

180 record(s) printed from Clarivate Web of Science

Record 1 of 180

By: Mechery, J (Mechery, Jerry); Kumar, CSP (Kumar, C. S. Praveen); Ambily, V (Ambily, V.); Varghese, A (Varghese, Abin); Sylas, VP (Sylas, V. P.)

Title: Dark fermentation of pretreated hydrolysates of pineapple fruit waste for the production of biohydrogen using bacteria isolated from wastewater sources

Source: ENVIRONMENTAL TECHNOLOGY

DOI: 10.1080/09593330.2022.2164743

Early Access Date: JAN 2023

Document Type: Article; Early Access

ISSN: 0959-3330

eISSN: 1479-487X

Accession Number: WOS:000911987300001

PubMed ID: 36591897

Record 2 of 180

By: Sattavan, S (Sattavan, Sunita); Saini, Y (Saini, Yashu)

Title: Pediatric nephrology in under-resourced areas: is funding really the key to success?

Source: PEDIATRIC NEPHROLOGY

Volume: 38

Issue: 8

Pages: 2883-2884

DOI: 10.1007/s00467-023-05960-8

Early Access Date: APR 2023

Document Type: Letter

Published: AUG 2023

ISSN: 0931-041X

eISSN: 1432-198X

Accession Number: WOS:000970945400001

PubMed ID: 37052693

Record 3 of 180

By: George, NP (George, Nirmal Philip); Ray, JG (Ray, Joseph George)

Title: The inevitability of arbuscular mycorrhiza for sustainability in organic agriculture-A critical review

Source: FRONTIERS IN SUSTAINABLE FOOD SYSTEMS

Volume: 7

Article Number: 1124688

DOI: 10.3389/fsufs.2023.1124688

Document Type: Review

Published: FEB 24 2023

eISSN: 2571-581X

Accession Number: WOS:000946109700001

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Record 4 of 180

By: Rakhimol, KR (Rakhimol, K. R.); Ashitha, A (Ashitha, A.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar); Jayachandran, K (Jayachandran, K.)

Title: Casein stabilized metal and metal oxide nanoparticle to eradicate the endophytic bacterial contamination from in vitro culturing of *Scoparia dulcis* L.

Source: PLANT CELL TISSUE AND ORGAN CULTURE

DOI: 10.1007/s11240-023-02541-3

Early Access Date: JUN 2023

Document Type: Article; Early Access

ISSN: 0167-6857

eISSN: 1573-5044

Accession Number: WOS:001014701200001

Record 5 of 180

By: Mathew, J (Mathew, Jincy); John, N (John, Neenamol); Mathew, B (Mathew, Beena) **Title:** Graphene oxide-incorporated silver-based photocatalysts for enhanced degradation of organic toxins: a review

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH

Volume: 30

Issue: 7

Pages: 16817-16851

DOI: 10.1007/s11356-022-25026-w

Early Access Date: JAN 2023

Document Type: Review

Published: FEB 2023

ISSN: 0944-1344

eISSN: 1614-7499

Accession Number: WOS:000907096000012

PubMed ID: 36595177

Record 6 of 180

By: Jibin, KP (Jibin, Keloth Paduvilan); Augustine, S (Augustine, Silpa); Velayudhan, P (Velayudhan, Prajitha); George, JS (George, Jesiya Susan); Sidharthan, SK (Sidharthan, Sisanth Krishnageham); Poullose, SV (Poullose, Sylas Variyattel); Thomas, S (Thomas, Sabu)

Title: Unleashing the Power of Graphene-Based Nanomaterials for Chromium(VI) Ion Elimination from Water

Source: CRYSTALS

Volume: 13

Issue: 7

Article Number: 1047

DOI: 10.3390/cryst13071047

Document Type: Article

Published: JUL 2023

eISSN: 2073-4352

Accession Number: WOS:001038131500001

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By: Bhadrapriya, BC (Bhadrapriya, B. C.); Rahul, MT (Rahul, M. T.); Raneesh, B (Raneesh, B.); Thomas, S (Thomas, Sabu); Saha, A (Saha, Abhijit); Kalarikkal, N (Kalarikkal, Nandakumar) **Title:** Alginate functionalized MFe₂O₄ (M(sic)Ni, Co) nanoparticles and hydrated salt incorporated flexible PVDF ternary nanocomposite fibers for magnetoelectric applications

Source: POLYMERS FOR ADVANCED TECHNOLOGIES

DOI: 10.1002/pat.6125

Early Access Date: JUL 2023

Document Type: Article; Early Access

ISSN: 1042-7147

eISSN: 1099-1581

Accession Number: WOS:001033627700001

Record 8 of 180

By: Gopalakrishnan, A (Gopalakrishnan, Akhil); Mathew, J (Mathew, Jissy); Thomas, JM (Thomas, Jain Maria); Thankachan, G (Thankachan, Greeshma); Aravindakumar, CT (Aravindakumar, Charuvila T.); Aravind, UK (Aravind, Usha K.)

Title: Spectro-kinetic investigations on the release mechanism of lysozyme from layer-by-layer reservoirs

Source: COLLOIDS AND SURFACES B-BIOINTERFACES

Volume: 222

Article Number: 113135

DOI: 10.1016/j.colsurfb.2023.113135

Early Access Date: JAN 2023

Document Type: Article

Published: FEB 2023

ISSN: 0927-7765

eISSN: 1873-4367

Accession Number: WOS:001026809100001

PubMed ID: 36640537

Record 9 of 180

By: Sruthi, PR (Sruthi, Pambingal Rajan); Roopak, R (Roopak, Ramakrishnan); Anas, S (Anas, Saithalavi)

Title: An Efficient Recyclable Polymer Supported Palladium Catalyst for Suzuki Reaction in Water

Source: CHEMISTRYSELECT

Volume: 8

Issue: 8

Article Number: e202204374

DOI: 10.1002/slet.202204374

Document Type: Article

Published: FEB 23 2023

ISSN: 2365-6549

Accession Number: WOS:000935198100001

Record 10 of 180

By: Balan, B (Balan, Bhagyalakshmi); Xavier, MM (Xavier, Marilyn Mary); Mathew, S (Mathew, Suresh)
Title: MoS₂-Based Nanocomposites for Photocatalytic Hydrogen Evolution and Carbon Dioxide Reduction
Source: ACS OMEGA
Volume: 8
Issue: 29

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Pages: 25649-25673
DOI: 10.1021/acsomega.3c02084
Early Access Date: JUL 2023
Document Type: Review
Published: JUL 12 2023
ISSN: 2470-1343
Accession Number: WOS:001024288400001
PubMed ID: 37521597

Record 11 of 180

By: Korah, BK (Korah, Binila K.); Sreekanth, K (Sreekanth, K.); Radhakrishnan, EK (Radhakrishnan, E. K.); Mathew, B (Mathew, Beena)
Title: Bio-derivatized and silver modified carbon dot based nanocomposite in multiple mode detection, catalytic reduction, and biocidal applications
Source: BIOCHEMICAL ENGINEERING JOURNAL
Volume: 199
Article Number: 109060
DOI: 10.1016/j.bej.2023.109060
Document Type: Article
Published: OCT 2023
ISSN: 1369-703X
eISSN: 1873-295X
Accession Number: WOS:001062858700001

Record 12 of 180

By: Thomas, JM (Thomas, Jisha Mary); Thomas, R (Thomas, Renjith)
Title: Study of Non-Covalent Interactions Present in the Tapinarof-Ethanol System with Special Emphasis on Hydrogen-Bonding Interactions
Source: JOURNAL OF PHYSICAL CHEMISTRY B
Volume: 127
Issue: 26
Pages: 5933-5940
DOI: 10.1021/acs.jpcc.3c03152
Early Access Date: JUN 2023
Document Type: Article
Published: JUN 23 2023
ISSN: 1520-6106
eISSN: 1520-5207
Accession Number: WOS:001018157200001
PubMed ID: 37351930

Record 13 of 180

By: Chandrasekharan, SP (Chandrasekharan, Sreejith Pallikkara); Lakshmy, S (Lakshmy, Seetha); Joseph, S (Joseph, Saju); Kalarikkal, N (Kalarikkal, Nandakumar)

Title: Carcinogenic dioxane detection using pristine and metal-doped 2D VSe₂: Insights from density functional theory simulations

Source: AIP ADVANCES

Volume: 13

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Issue: 6

Article Number: 065024

DOI: 10.1063/5.0139779

Document Type: Article

Published: JUN 1 2023

eISSN: 2158-3226

Accession Number: WOS:001012227700006

Record 14 of 180

By: John, SA (John, Sayona Anna); Ray, JG (Ray, Joseph George)

Title: Optimization of environmental and the other variables in the application of arbuscular mycorrhizal fungi as an ecotechnological tool for sustainable paddy cultivation: a critical review **Source:** JOURNAL OF APPLIED MICROBIOLOGY

Volume: 134

Issue: 6

Article Number: lxad111

DOI: 10.1093/jambio/lxad111

Document Type: Review

Published: JUN 1 2023

ISSN: 1364-5072

eISSN: 1365-2672

Accession Number: WOS:001008879400001

PubMed ID: 37230947

Record 15 of 180

By: Saritha, VK (Saritha, V. K.); Krishnan, KP (Krishnan, K. P.); Mohan, M (Mohan, Mahesh)

Title: Perfluorooctanoic acid in the sediment matrices of Arctic fjords, Svalbard **Source:** MARINE POLLUTION BULLETIN

Volume: 192

Article Number: 115061

DOI: 10.1016/j.marpolbul.2023.115061

Early Access Date: MAY 2023

Document Type: Article

Published: JUL 2023

ISSN: 0025-326X

eISSN: 1879-3363

Accession Number: WOS:001008381800001

PubMed ID: 37187001

Record 16 of 180

By: Gopinath, S (Gopinath, Sithara); Adarsh, NN (Adarsh, Nayarassery N.); Nair, PR (Nair, P. Radhakrishnan); Mathew, S (Mathew, Suresh)

Title: Hydroxyl terminated polybutadiene-based shape memory polyurethane nanocomposites containing nano metal-oxide fillers for microfluidic valve actuator applications

Source: MATERIALS TODAY COMMUNICATIONS

Volume: 35

Article Number: 105660

DOI: 10.1016/j.mtcomm.2023.105660

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Early Access Date: FEB 2023

Document Type: Article

Published: JUN 2023

eISSN: 2352-4928

Accession Number: WOS:001012867500001

Record 17 of 180

By: Afsina, CMA (Afsina, Cheriya Mukkolakkal Abdulla); Philip, RM (Philip, Rose Mary); Saranya, PV (Saranya, Padinjare Veetil); Anilkumar, G (Anilkumar, Gopinathan)

Title: Palladium-Catalyzed Aminocarbonylation of Aryl Halides

Source: CURRENT ORGANIC SYNTHESIS

Volume: 20

Issue: 3

Pages: 308-331

DOI: 10.2174/1570179419666220430150122

Document Type: Review

Published: 2023

ISSN: 1570-1794

eISSN: 1875-6271

Accession Number: WOS:000954440500003

PubMed ID: 35507788

Record 18 of 180

By: Joseph, S (Joseph, Saju); Mohan, J (Mohan, Jainy); Lakshmy, S (Lakshmy, Seetha); Thomas, S (Thomas, Simil); Chakraborty, B (Chakraborty, Brahmananda); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

Title: A review of the synthesis, properties, and applications of 2D transition metal dichalcogenides and their heterostructures

Source: MATERIALS CHEMISTRY AND PHYSICS

Volume: 297

Article Number: 127332

DOI: 10.1016/j.matchemphys.2023.127332

Early Access Date: JAN 2023

Document Type: Review

Published: MAR 1 2023

ISSN: 0254-0584

eISSN: 1879-3312

Accession Number: WOS:000964237900001

Record 19 of 180

By: Samant, L (Samant, Lata); Goel, A (Goel, Alka); Mathew, J (Mathew, Jessen); Jose, S (Jose, Seiko); Thomas, S (Thomas, Sabu)

Title: Effect of surface treatment on flax fiber reinforced natural rubber green composite

Source: JOURNAL OF APPLIED POLYMER SCIENCE

Volume: 140

Issue: 12

DOI: 10.1002/app.53651

Early Access Date: JAN 2023

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Document Type: Article

Published: MAR 20 2023

ISSN: 0021-8995

eISSN: 1097-4628

Accession Number: WOS:000928172100001

Record 20 of 180

By: Greeshma, MS (Greeshma, M. S. M.); Bindu, VR (Bindu, V. R. V.)

Title: Deep primitive convolutional neural network for image super resolution

Source: MULTIMEDIA TOOLS AND APPLICATIONS

DOI: 10.1007/s11042-023-15661-x

Early Access Date: MAY 2023

Document Type: Article; Early Access

ISSN: 1380-7501

eISSN: 1573-7721

Accession Number: WOS:000988586700003

Record 21 of 180

By: Varsha, V (Varsha, Vijayan); Radhika, S (Radhika, Sankaran); Anilkumar, G (Anilkumar, Gopinathan)

Title: An Overview of Julia-lythgoe Olefination

Source: CURRENT ORGANIC SYNTHESIS

DOI: 10.2174/1570179420666230510104114

Early Access Date: JUL 2023

Document Type: Review; Early Access

ISSN: 1570-1794

eISSN: 1875-6271

Accession Number: WOS:001040284000001

PubMed ID: 37218208

Record 22 of 180

By: Korah, BK (Korah, Binila K.); Thara, CR (Thara, Chinnu R.); John, N (John, Neenamol); Mathew, S (Mathew, Sneha); Mathew, B (Mathew, Beena)

Title: Microwave abetted synthesis of carbon dots and its triple mode applications in tartrazine detection, manganese ion sensing and fluorescent ink

Source: FOOD CONTROL

Volume: 147

Article Number: 109608

DOI: 10.1016/j.foodcont.2023.109608

Early Access Date: JAN 2023

Document Type: Article

Published: MAY 2023

ISSN: 0956-7135

eISSN: 1873-7129

Accession Number: WOS:000923471200001

Record 23 of 180

By: Viswanathan, SP (Viswanathan, Shanthi Prabha); Njazzhakunnathu, GV (Njazzhakunnathu, Gopika Vijayakumar); Neelamury, SP (Neelamury, Sreekanth Prakasan); Padmakumar, B (Padmakumar, Babu);

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Ambatt, TP (Ambatt, Thomas Paili)

Title: Invasive Wetland Weeds Derived Biochar Properties Affecting Soil Carbon Dynamics of South Indian Tropical Ultisol

Source: ENVIRONMENTAL MANAGEMENT

Volume: 72

Issue: 2

Pages: 343-362

DOI: 10.1007/s00267-023-01791-3

Early Access Date: FEB 2023

Document Type: Article

Published: AUG 2023

ISSN: 0364-152X

eISSN: 1432-1009

Accession Number: WOS:000928691500001

PubMed ID: 36752870

Record 24 of 180

By: Mathew, M (Mathew, Maya); Afthab, M (Afthab, Muhammed); Sreejith, S (Sreejith, S.); Sandhya, C (Sandhya, C.); Mathew, J (Mathew, Jyothis); Radhakrishnan, EK (Radhakrishnan, E. K. E.) **Title:** Prevalence of Antimicrobial Resistance Among the Hydrogen Sulfide Producing Bacteria Isolated on XLD Agar from the Poultry Fecal Samples

Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY

DOI: 10.1007/s12010-023-04633-4

Early Access Date: AUG 2023

Document Type: Article; Early Access

ISSN: 0273-2289

eISSN: 1559-0291

Accession Number: WOS:001042459300001

PubMed ID: 37540287

Record 25 of 180

By: George, S (George, Sneha); Thomas, S (Thomas, Sabu); Nedumpillil, NN (Nedumpillil, Namitha Nandan); Jose, S (Jose, Seiko)

Title: Extraction and Characterization of Fibers from Water Hyacinth Stem Using a Custom-Made Decorticator

Source: JOURNAL OF NATURAL FIBERS

Volume: 20

Issue: 2

Article Number: 2212927

DOI: 10.1080/15440478.2023.2212927

Document Type: Article

Published: AUG 18 2023

ISSN: 1544-0478

eISSN: 1544-046X

Accession Number: WOS:000990266900001

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By: Mathew, S (Mathew, Sneha); John, BK (John, Bony K.); Mathew, J (Mathew, Jincy); Korah, BK (Korah, Binila K.); Mathew, B (Mathew, Beena)

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Title: Green synthesized carbon dots as antibiotics sensor and fluorescent ink

Source: JOURNAL OF MOLECULAR STRUCTURE

Volume: 1294

Article Number: 136422

DOI: 10.1016/j.molstruc.2023.136422

Part: 1

Document Type: Article

Published: DEC 15 2023

ISSN: 0022-2860

eISSN: 1872-8014

Accession Number: WOS:001064872600001

Record 27 of 180

By: Mathew, S (Mathew, Sneha); Mathew, B (Mathew, Beena)

Title: Heteroatom doped carbon dots from green sources as metal ion sensor and as fluorescent ink

Source: DIAMOND AND RELATED MATERIALS

Volume: 139

Article Number: 110293

DOI: 10.1016/j.diamond.2023.110293

Document Type: Article

Published: NOV 2023

ISSN: 0925-9635

eISSN: 1879-0062

Accession Number: WOS:001054853400001

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By: John, BK (John, Bony K.); Thara, CR (Thara, Chinnu R.); Korah, BK (Korah, Binila K.); John, N (John, Neenamol); Mathew, B (Mathew, Beena)

Title: Bioresource-derived multifunctional carbon quantum dots as a fluorescence and electrochemical sensing platform for picric acid and noncytotoxic food storage application

Source: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY

Volume: 126

Pages: 546-556

DOI: 10.1016/j.jiec.2023.06.043

Document Type: Article

Published: OCT 25 2023

ISSN: 1226-086X

eISSN: 1876-794X

Accession Number: WOS:001043621300001

Record 29 of 180

By: John, BK (John, Bony K.); Mathew, B (Mathew, Beena)

Title: Nitrogen and sulphur co-doped carbon quantum dot integrated bismuth oxide nanocomposite for photocatalytic degradation and electrochemical sensing applications

Source: OPTICAL MATERIALS

Volume: 139

Article Number: 113819

DOI: 10.1016/j.optmat.2023.113819

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Early Access Date: APR 2023

Document Type: Article

Published: MAY 2023

ISSN: 0925-3467

eISSN: 1873-1252

Accession Number: WOS:000988841600001

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By: Rinu, PXT (Rinu, Pulluparambil Xavier Thresia); Philip, RM (Philip, Rose Mary); Anilkumar, G (Anilkumar, Gopinathan)

Title: Low-cost transition metal catalysed Negishi coupling: an update

Source: ORGANIC & BIOMOLECULAR CHEMISTRY

Volume: 21

Issue: 32

Pages: 6438-6455

DOI: 10.1039/d3ob00784g

Early Access Date: JUL 2023

Document Type: Review

Published: AUG 16 2023

ISSN: 1477-0520

eISSN: 1477-0539

Accession Number: WOS:001037652100001

PubMed ID: 37522832

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By: Jose, TA (Jose, Twinkle Anna); Krishnapriya, T (Krishnapriya, T.); Jose, A (Jose, Adon); Rajesh, CS (Rajesh, C. S.); Joseph, C (Joseph, Cyriac); Biju, PR (Biju, P. R.)

Title: A study on structural and luminescence properties of novel orange-red emitting Sm³⁺doped Sr₃LiSbO₆ nanorod phosphor with high color purity for W-LEDs

Source: JOURNAL OF ALLOYS AND COMPOUNDS

Volume: 963

Article Number: 171104

DOI: 10.1016/j.jallcom.2023.171104

Early Access Date: JUL 2023

Document Type: Article

Published: NOV 10 2023

ISSN: 0925-8388

eISSN: 1873-4669

Accession Number: WOS:001041158100001

Record 32 of 180

By: Kurian, AL (Kurian, Anju Lis); Vinodan, C (Vinodan, C.)

Title: World heritage tag and genealogy of WGEEP report: The intricacies in Western Ghats conservation

Source: INDIA REVIEW

Volume: 22

Issue: 3

Pages: 309-332

DOI: 10.1080/14736489.2023.2201540

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Document Type: Article

Published: MAY 27 2023

ISSN: 1473-6489

eISSN: 1557-3036

Accession Number: WOS:000995781900004

Record 33 of 180

By: Presannakumar, K (Presannakumar, Krishna); Mohamed, A (Mohamed, Anuj) **Title:** Deep learning based source identification of environmental audio signals using optimized convolutional neural networks

Source: APPLIED SOFT COMPUTING

Volume: 143

Article Number: 110423

DOI: 10.1016/j.asoc.2023.110423

Document Type: Article

Published: AUG 2023

ISSN: 1568-4946

eISSN: 1872-9681

Accession Number: WOS:001053292200001

Record 34 of 180

By: Devi, PS (Devi, P. S.); Neetha, M (Neetha, Mohan); Anilkumar, G (Anilkumar, Gopinathan)

Title: Silver-catalyzed synthesis of nitrogen heterocycles: recent advancements

Source: ORGANIC & BIOMOLECULAR CHEMISTRY

Volume: 21

Issue: 21

Pages: 4332-4357

DOI: 10.1039/d3ob00277b

Early Access Date: MAY 2023

Document Type: Review

Published: MAY 31 2023

ISSN: 1477-0520

eISSN: 1477-0539

Accession Number: WOS:000990565900001

PubMed ID: 37211988

Record 35 of 180

By: John, BK (John, Bony K.); Korah, BK (Korah, Binila K.); Mathew, S (Mathew, Sneha); Thara, C (Thara, Chinnu); Chacko, AR (Chacko, Anu Rose); Mathew, B (Mathew, Beena) **Title:** Nitrogen and sulphur co-doped carbon quantum dots as a dual-mode sensor for mercuric ions and as efficient antimicrobial agents

Source: BIOMASS CONVERSION AND BIOREFINERY

DOI: 10.1007/s13399-023-04232-7

Early Access Date: APR 2023

Document Type: Article; Early Access

ISSN: 2190-6815

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Accession Number: WOS:000978712200001

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By: Lal, JS (Lal, Jisha S.); Radha, D (Radha, Divya); Devaky, KS (Devaky, K. S.) **Title:** Drug release studies of metformin hydrochloride from chitosan- Mango leaf extract microspheres **Source:**

JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY

Volume: 84

Article Number: 104524

DOI: 10.1016/j.jddst.2023.104524

Early Access Date: MAY 2023

Document Type: Article

Published: JUN 2023

ISSN: 1773-2247

eISSN: 2588-8943

Accession Number: WOS:001007987600001

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By: Mathew, S (Mathew, Sneha); John, BK (John, Bony K.); Thara, CR (Thara, Chinnu R.); Korah, BK (Korah, Binila K.); Mathew, B (Mathew, Beena)

Title: One-pot synthesis of sustainable carbon dots for analytical and cytotoxicity studies

Source: BIOMASS CONVERSION AND BIOREFINERY

DOI: 10.1007/s13399-023-03798-6

Early Access Date: JAN 2023

Document Type: Article; Early Access

ISSN: 2190-6815

eISSN: 2190-6823

Accession Number: WOS:000916577300005

Record 38 of 180

By: Thara, CR (Thara, Chinnu R.); Mathew, S (Mathew, Sneha); Chacko, AR (Chacko, Anu Rose); Mathew, B (Mathew, Beena)

Title: Dual functional carbon nitride dots as electrochemical sensor and anticancer agent with chemotherapeutic and photodynamic effect

Source: MICROCHEMICAL JOURNAL

Volume: 187

Article Number: 108379

DOI: 10.1016/j.microc.2022.108379

Early Access Date: JAN 2023

Document Type: Article

Published: APR 2023

ISSN: 0026-265X

eISSN: 1095-9149

Accession Number: WOS:000918407400001

Record 39 of 180

By: Thowfik, S (Thowfik, Salam); Afsina, CMA (Afsina, C. M. A.); Anilkumar, G (Anilkumar, Gopinathan) **Title:** Ruthenium-catalyzed hydroarylation reactions as the strategy towards the synthesis of alkylated arenes and substituted alkenes

Source: RSC ADVANCES

Volume: 13

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Pages: 6246-6263

DOI: 10.1039/d3ra00211j

Document Type: Review

Published: FEB 14 2023

eISSN: 2046-2069

Accession Number: WOS:000937976400001

PubMed ID: 36825293

Record 40 of 180

By: Shamsudeen, S (Shamsudeen, Sheeba); Kannekanti, P (Kannekanti, Prasad) **Title:** Dialectical Behaviour Therapy Enhanced Habit Reversal Training: A Clinical Case of Childhood Onset Trichotillomania in an Adult With Impulsive Personality Features

Source: CLINICAL CASE STUDIES

DOI: 10.1177/15346501231189552

Early Access Date: JUL 2023

Document Type: Article; Early Access

ISSN: 1534-6501

eISSN: 1552-3802

Accession Number: WOS:001028128200001

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By: Nair, AS (Nair, Anjana S.); Keerthana, CS (Keerthana, C. S.); Sreepriya, K (Sreepriya, K.); Unnikrishnan, NV (Unnikrishnan, N. V.); Saritha, AC (Saritha, A. C.)

Title: Enhancing the NIR shielding ability and controlling the surface wettability of RF magnetron sputter deposited WO₃-x thin films by tuning the oxygen vacancies

Source: OPTICAL MATERIALS

Volume: 142

Article Number: 114066

DOI: 10.1016/j.optmat.2023.114066

Early Access Date: JUL 2023

Document Type: Article

Published: AUG 2023

ISSN: 0925-3467

eISSN: 1873-1252

Accession Number: WOS:001036680900001

Record 42 of 180

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Title: Self-Supporting beta-Ga₂O₃ Reinforced PMMA Composite Films with Multifunctional Traits
Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS
Volume: 33

Issue: 7

Pages: 1922-1931

DOI: 10.1007/s10904-023-02632-w

Early Access Date: APR 2023

Document Type: Article

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By: Santhoshkumar, P (Santhoshkumar, Parvathi); Mathews, LE (Mathews, Lydia Elizabeth); Sulay, R (Sulay, Rehin); Thomas, VI (Thomas, Vibin Ipe)

Title: Mechanistic Views on First-row Earth-Abundant Transition Metal Catalyzed Ullmann-type O Arylation Reactions

Source: CHIMIA

Volume: 77

Issue: 4

Pages: 246-249

DOI: 10.2533/chimia.2023.246

Document Type: Article; Proceedings Paper

Published: APR 2023

Conference Title: Swiss Chemical Society (SCS) Fall Meeting

Conference Date: AUG 24-25, 2023

Conference Location: vonRoll Areal, SWITZERLAND

ISSN: 0009-4293

Accession Number: WOS:000982266400013

Record 44 of 180

By: Nair, IM (Nair, Indu Muraleedharan); Kochupurackal, J (Kochupurackal, Jayachandran) **Title:** Squalene hopene cyclases and oxido squalene cyclases: potential targets for regulating cyclisation reactions

Source: BIOTECHNOLOGY LETTERS

Volume: 45

Issue: 5-6

Pages: 573-588

DOI: 10.1007/s10529-023-03366-y

Early Access Date: APR 2023

Document Type: Review

Published: JUN 2023

ISSN: 0141-5492

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Accession Number: WOS:000968294700001

PubMed ID: 37055654

Record 45 of 180

By: Pai, AR (Pai, Avinash R.); Lu, YZ (Lu, Yuezhen); Joseph, S (Joseph, Saju); Santhosh, NM (Santhosh, Neelakandan M.); Degl'Innocenti, R (Degl'Innocenti, Riccardo); Lin, HY (Lin, Hungyen); Letizia, R (Letizia, Rosa); Paoloni, C (Paoloni, Claudio); Thomas, S (Thomas, Sabu)

Title: Ultra-broadband shielding of cellulose nanofiber commingled biocarbon functional constructs: A paradigm shift towards sustainable terahertz absorbers

Source: CHEMICAL ENGINEERING JOURNAL

Volume: 467

Article Number: 143213

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DOI: 10.1016/j.cej.2023.143213

Early Access Date: MAY 2023

Document Type: Article

Published: JUL 1 2023

ISSN: 1385-8947

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Record 46 of 180

By: Gopinath, S (Gopinath, Sithara); Adarsh, NN (Adarsh, Nayarassery N.); Nair, PR (Radhakrishnan Nair, P.); Mathew, S (Mathew, Suresh)

Title: Recent trends in thermo-responsive elastomeric shape memory polymer nanocomposites

Source: POLYMER COMPOSITES

Volume: 44

Issue: 8

Pages: 4433-4458

DOI: 10.1002/pc.27464

Early Access Date: JUN 2023

Document Type: Review

Published: AUG 2023

ISSN: 0272-8397

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Accession Number: WOS:001020086900001

Record 47 of 180

By: Antony, A (Antony, Arsha); Thomas, T (Thomas, Tiju); Augustine, C (Augustine, Cyril) **Title:** On the coordination chemistry of a bacterial siderophore cepabactin from a theoretical perspective **Source:** JOURNAL OF MOLECULAR MODELING

Volume: 29

Issue: 5

Article Number: 167

DOI: 10.1007/s00894-023-05565-w

Document Type: Article

Published: MAY 2023

ISSN: 1610-2940

eISSN: 0948-5023

Accession Number: WOS:000981269500001

PubMed ID: 37126124

Record 48 of 180

By: Chacko, AR (Chacko, Anu Rose); Narayanan, R (Narayanan, Radhika); Korah, BK (Korah, Binila K.); Mathew, S (Mathew, Sneha); Abraham, T (Abraham, Thomas); Mathew, B (Mathew, Beena) **Title:** Solution-based carbon quantum dots as electrochemical "on-off" switch in aqueous medium: Engineering of a sustainable green sensor and its computational investigation

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Volume: 191

Article Number: 108853

DOI: 10.1016/j.microc.2023.108853

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Early Access Date: MAY 2023

Document Type: Article

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ISSN: 0026-265X

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Accession Number: WOS:001008624900001

Record 49 of 180

By: Joseph, BJ (Joseph, Bicky Jerin); Ravi, A (Ravi, Aswani); Geevarghese, A (Geevarghese, Amala);

Radhakrishnan, NA (Radhakrishnan, Nayana Aluparambil); Jithesh, O (Jithesh, O.); Mathew, J (Mathew, Jyothis); Krishnankutty, RE (Krishnankutty, Radhakrishnan Edayileveetil)

Title: Multifarious Plant Probiotic Features of Bacillus sp. W11 Isolated from Vermicast and Its Promises for Biocontrol Activity Against Phytopathogens

Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY

Volume: 195

Issue: 6

Special Issue: SI

Pages: 3615-3627

DOI: 10.1007/s12010-022-04285-w

Early Access Date: JAN 2023

Document Type: Article

Published: JUN 2023

ISSN: 0273-2289

eISSN: 1559-0291

Accession Number: WOS:000920180600002

PubMed ID: 36648603

Record 50 of 180

By: Raj, A (Raj, Aparna); Thomas, RK (Thomas, Riju K.); Vidya, L (Vidya, L.); Aparna, VM (Aparna, V. M.); Neelima, S (Neelima, S.); Sudarsanakumar, C (Sudarsanakumar, C.)

Title: Exploring the cytotoxicity on human lung cancer cells and DNA binding stratagem of camptothecin functionalised silver nanoparticles through multi-spectroscopic, and calorimetric approach **Source:** SCIENTIFIC REPORTS

Volume: 13

Issue: 1

DOI: 10.1038/s41598-023-34997-w

Document Type: Article

Published: JUN 3 2023

ISSN: 2045-2322

Accession Number: WOS:001000705300028

PubMed ID: 37270606

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By: Bhadrappriya, BC (Bhadrappriya, B. C.); Akshaya, A (Akshaya, A.); Rahul, MT (Rahul, M. T.); Saha, A (Saha, Abhijit); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar) **Title:** Silver nanowire decorated template-free grown Co₃O₄ nanocones: a 3D SERS substrate for H₂O₂ sensing

Source: JOURNAL OF NANOPARTICLE RESEARCH

Volume: 25

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Issue: 3

Article Number: 47

DOI: 10.1007/s11051-023-05686-6

Document Type: Article

Published: MAR 2023

ISSN: 1388-0764

eISSN: 1572-896X

Accession Number: WOS:000943463900001

Record 52 of 180

By: Varghese, MA (Varghese, Mathew A. A.)

Title: Unintentional designs in ecology: The case of river Periyar in Kerala

Source: GEOGRAPHICAL JOURNAL

DOI: 10.1111/geoj.12527

Early Access Date: JUN 2023

Document Type: Article; Early Access

ISSN: 0016-7398

eISSN: 1475-4959

Accession Number: WOS:001014935900001

Record 53 of 180

By: Fizala, MB (Fizala, Mudappanal Basheer); Saranya, PV (Saranya, Padinjare Veetil); Anilkumar, G (Anilkumar, Gopinathan)

Title: Copper-catalyzed alkylation reactions of indole: An overview

Source: CHEMICAL PAPERS

DOI: 10.1007/s11696-023-02979-x

Early Access Date: JUL 2023

Document Type: Review; Early Access

ISSN: 0366-6352

eISSN: 2585-7290

Accession Number: WOS:001040863000003

Record 54 of 180

By: Farzana, R (Farzana, Rahim); Saranya, PV (Saranya, Padinjare Veetil); Gopinathan, A (Gopinathan, Anilkumar)

Title: Iron-catalyzed borylation reactions: An overview (vol 983, 122549, 2023)

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY

Volume: 990

Article Number: 122647

DOI: 10.1016/j.jorganchem.2023.122647

Early Access Date: MAR 2023

Document Type: Correction

Published: MAY 1 2023

ISSN: 0022-328X

eISSN: 1872-8561

Accession Number: WOS:000958494300001

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By: Linson, N (Linson, Nihita); Jacob, J (Jacob, Jissy); Kuriakose, S (Kuriakose, Sunny) **Title:** Synthesis and characterization of iron-doped carbon nanoparticles encapsulated within functionally modified hyperbranched polyglycerol and study of their chromium (VI) ion sensing and antimicrobial applications

Source: CARBON LETTERS

Volume: 33

Issue: 6

Pages: 1847-1862

DOI: 10.1007/s42823-023-00539-7

Early Access Date: JUN 2023

Document Type: Article

Published: OCT 2023

ISSN: 1976-4251

eISSN: 2233-4998

Accession Number: WOS:000999956500001

Record 56 of 180

By: Gupta, P (Gupta, Priyanshi); Vyas, P (Vyas, Pratibha)

Title: Hidden Gems: in Pursuit of Parathyroid Gland Identification During Neck Surgeries

Source: INDIAN JOURNAL OF SURGERY

DOI: 10.1007/s12262-023-03845-6

Early Access Date: JUN 2023

Document Type: Review; Early Access

ISSN: 0972-2068

eISSN: 0973-9793

Accession Number: WOS:001005808200001

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By: Chandrasekharan, SP (Chandrasekharan, Sreejith Pallikkara); Lakshmy, S (Lakshmy, Seetha); Sanyal, G (Sanyal, Gopal); Kalarikkal, N (Kalarikkal, Nandakumar); Trivedi, R (Trivedi, Ravi); Chakraborty, B (Chakraborty, Brahmananda)

Title: Metal-decorated gamma-graphyne as a drug transporting agent for the mercaptopurine chemotherapy drug: a DFT study

Source: PHYSICAL CHEMISTRY CHEMICAL PHYSICS

Volume: 25

Issue: 13

Pages: 9461-9471

DOI: 10.1039/d2cp05379a

Early Access Date: FEB 2023

Document Type: Article

Published: MAR 29 2023

ISSN: 1463-9076

eISSN: 1463-9084

Accession Number: WOS:000950880700001

PubMed ID: 36930162

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By: Arundhathi, KV (Arundhathi, Koduvarathodi Vadakkethil); Vaishnavi, P (Vaishnavi, Palemkunnummal); Aneeja, T (Aneeja, Thaipparambil); Anilkumar, G (Anilkumar, Gopinathan)

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Title: Copper-catalyzed Sonogashira reactions: advances and perspectives since 2014

Source: RSC ADVANCES

Volume: 13
Issue: 7
Pages: 4823-4834
DOI: 10.1039/d2ra07685c
Document Type: Review
Published: JAN 31 2023
eISSN: 2046-2069
Accession Number: WOS:000928319600001
PubMed ID: 36760276

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By: Kaliyathan, AV (Kaliyathan, Abitha Vayyaprontavida); Rane, AV (Rane, Ajay Vasudeo); Thomas, S (Thomas, Sabu)
Title: Nanoscale partitioning of carbon black in styrene butadiene rubber and butadiene rubber miscible blends and its effect on physico-mechanical properties
Source: JOURNAL OF RUBBER RESEARCH
Volume: 26
Issue: 2
Pages: 81-98
DOI: 10.1007/s42464-023-00197-4
Early Access Date: MAY 2023
Document Type: Article
Published: MAY 2023
ISSN: 1511-1768
eISSN: 2524-3993
Accession Number: WOS:000980344200001

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By: Radhika, S (Radhika, Sankaran); Chandravarkar, A (Chandravarkar, Aravind); Anilkumar, G (Anilkumar, Gopinathan)
Title: Cu(ii)-catalyzed C-N coupling of 2-aminobenzothiazoles with boronic acids at room temperature
Source: RSC ADVANCES
Volume: 13
Issue: 25
Pages: 17188-17193
DOI: 10.1039/d3ra02979d
Document Type: Article
Published: JUN 5 2023
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Accession Number: WOS:001002914400001
PubMed ID: 37304782

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By: Aswani, R (Aswani, R.); Das, S (Das, Soumya); Theresa, M (Theresa, Mary); Sebastian, KS (Sebastian, K. S.); Mathew, J (Mathew, Jyothis); Radhakrishnan, EK (Radhakrishnan, E. K.)

Title: 9-Tricosene Containing Blend of Volatiles Produced by *Serratia* sp. NhPB1 Isolated from the Pitcher Plant Provide Plant Protection Against *Pythium aphanidermatum*

Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY

DOI: 10.1007/s12010-023-04352-w

Early Access Date: FEB 2023

Document Type: Article; Early Access

ISSN: 0273-2289

eISSN: 1559-0291

Accession Number: WOS:000935960600001

PubMed ID: 36809430

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By: Stojadinovi, B (Stojadinovi, Bojan); Dohcevic-Mitrovic, Z (Dohcevic-Mitrovic, Zorana); Askrabic, S (Askrabic, Sonja); Paunovic, N (Paunovic, Novica); Rahul, MT (Rahul, M. T.); Raneesh, B (Raneesh, B.); Kalarikkal, N (Kalarikkal, Nandakumar)

Title: Spin-phonon interaction in nanocrystalline Dy₃Fe₅O₁₂ probed by Raman spectroscopy: Effects of magnetic ordering

Source: JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES

Volume: 8

Issue: 3

Article Number: 100600

DOI: 10.1016/j.jsamd.2023.100600

Document Type: Article

Published: SEP 2023

ISSN: 2468-2284

eISSN: 2468-2179

Accession Number: WOS:001058930500001

Record 63 of 180

By: Viswanathan, VP (Viswanathan, Vandana P.); Balakrishnan, VT (Balakrishnan, Vaishak T.); Adarsh, NN (Adarsh, Nayarassery N.); Varghese, VB (Varghese, V. Binsy); Mathew, S (Mathew, Suresh) **Title:** A 0D/2D Heterojunction Composite of Polymeric Carbon Nitride and ZIF-8-Derived ZnO for Photocatalytic Organic Pollutant Degradation

Source: CRYSTALS

Volume: 13

Issue: 1

Article Number: 47

DOI: 10.3390/cryst13010047

Document Type: Article

Published: JAN 2023

eISSN: 2073-4352

Accession Number: WOS:000914726000001

Record 64 of 180

By: Santhosh, MV (Santhosh, M. V.); Geethu, R (Geethu, R.); Devaky, KS (Devaky, K. S.) **Title:** Solvothermal synthesis of WS₂ rectangular nanoplates and their application in photothermal therapy

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34

Issue: 5

Article Number: 385

DOI: 10.1007/s10854-022-09788-0

Document Type: Article

Published: FEB 2023

ISSN: 0957-4522

eISSN: 1573-482X

Accession Number: WOS:001011056700108

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By: Sruthi, SN (Sruthi, Sasidharan Nair); Ramasamy, EV (Ramasamy, Eswara Venkatesaperumal); Shyleshchandran, MN (Shyleshchandran, Mohanachandran Nair)

Title: Bioaccumulation of pesticide residue in earthworms collected from the agricultural soils of Kuttanad a unique agroecosystem in India

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH

DOI: 10.1007/s11356-023-28944-5

Early Access Date: AUG 2023

Document Type: Article; Early Access

ISSN: 0944-1344

eISSN: 1614-7499

Accession Number: WOS:001043356500001

PubMed ID: 37542694

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By: Abhisha, VS (Abhisha, Vakkoottil Sivadasan); Sisanth, KS (Sisanth, Krishanagegham Sidharathan); Thomas, S (Thomas, Sabu); Stephen, R (Stephen, Ranimol)

Title: Kinetic studies on the transport behavior of hybrid filler incorporated natural rubber (NR)

Source: EXPRESS POLYMER LETTERS

Volume: 17

Issue: 10

Pages: 1070-1080

DOI: 10.3144/expresspolymlett.2023.80

Document Type: Article

Published: OCT 2023

ISSN: 1788-618X

Accession Number: WOS:001062444200008

Record 67 of 180

By: Linson, N (Linson, Nihita); Jacob, J (Jacob, Jissy); Kuriakose, S (Kuriakose, Sunny) **Title:** Bovine serum albumin (BSA) stabilised wood soot based carbon nanoparticles as potentially viable anti-bacterial agents for bio-medical applications

Source: BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING

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Early Access Date: MAY 2023

Document Type: Article; Early Access

ISSN: 0104-6632

eISSN: 1678-4383

Record 68 of 180

By: Lakshmy, S (Lakshmy, Seetha); Kundu, A (Kundu, Ajit); Kalarikkal, N (Kalarikkal, Nandakumar); Chakraborty, B (Chakraborty, Brahmananda)

Title: Pristine and transition metal decorated holey graphyne monolayer as an ammonia sensor: insights from DFT simulations

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS

Volume: 56

Issue: 5

Article Number: 055402

DOI: 10.1088/1361-6463/aca2e

Document Type: Article

Published: FEB 2 2023

ISSN: 0022-3727

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Accession Number: WOS:000910633200001

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By: Lakshmy, S (Lakshmy, Seetha); Santhosh, S (Santhosh, Shilpa); Kalarikkal, N (Kalarikkal, Nandakumar); Rout, CS (Rout, Chandra Sekhar); Chakraborty, B (Chakraborty, Brahmananda)

Title: A review of electrochemical glucose sensing based on transition metal phosphides **Source:** JOURNAL OF APPLIED PHYSICS

Volume: 133

Issue: 7

Article Number: 070702

DOI: 10.1063/5.0111591

Document Type: Review

Published: FEB 21 2023

ISSN: 0021-8979

eISSN: 1089-7550

Accession Number: WOS:000958356700001

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By: Jose, S (Jose, Seiko); George, JS (George, Jesiya Susan); Jacob, TA (Jacob, Tinu Ann); Vijayan, PP (Vijayan, P. Poornima); Bhanu, AVA (Bhanu, A. V. Asha); Nedumpillil, NN (Nedumpillil, Namitha Nandan); Thomas, S (Thomas, Sabu)

Title: Nanosilica incorporated coarse wool-epoxy hybrid biocomposites with improved physico-mechanical properties

Source: FRONTIERS IN MATERIALS

Volume: 10

Article Number: 1140602

DOI: 10.3389/fmats.2023.1140602

Document Type: Article

Published: MAR 14 2023

ISSN: 2296-8016

Accession Number: WOS:000959432700001

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Title: Depression and anxiety among patients with chronic obstructive pulmonary disease (COPD) in a tertiary care centre in Kerala

Source: RESPIROLOGY

Volume: 28

Pages: 397-398

Meeting Abstract: AP07-35

Supplement: 1

Document Type: Meeting Abstract

Published: FEB 2023

ISSN: 1323-7799

eISSN: 1440-1843

Accession Number: WOS:001002451700681

Record 72 of 180

By: Binish, MB (Binish, M. B.); Magesh, NS (Magesh, N. S.); Sruthy, S (Sruthy, S.); Kannan, VM (Kannan, V. M.); Mohan, M (Mohan, Mahesh)

Title: Occurrence and risk assessment of total mercury, methylmercury and other selected trace metals in the surface sediments of the Cochin Estuary, Southwest Coast of India

Source: REGIONAL STUDIES IN MARINE SCIENCE

Volume: 62

Article Number: 102924

DOI: 10.1016/j.rsma.2023.102924

Early Access Date: MAR 2023

Document Type: Article

Published: SEP 2023

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Accession Number: WOS:000955798800001

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By: Lakshmy, S (Lakshmy, Seetha); Kundu, A (Kundu, Ajit); Kalarikkal, N (Kalarikkal, Nandakumar); Ali, SM (Ali, Sk Musharaf); Chakraborty, B (Chakraborty, Brahmananda)

Title: Pd-functionalized 2D TMDC MoTe₂ monolayer as an efficient glucose Sensor: A First-principles DFT study

Source: APPLIED SURFACE SCIENCE

Volume: 631

Article Number: 157525

DOI: 10.1016/j.apsusc.2023.157525

Early Access Date: MAY 2023

Document Type: Article

Published: SEP 15 2023

ISSN: 0169-4332

eISSN: 1873-5584

Accession Number: WOS:001003146000001

Record 74 of 180

By: Preetha, S (Preetha, S.); Bindu, VR (Bindu, V. R.)

Title: A Wavelet Optimized Video Copy Detection Using Content Fingerprinting **Source:** JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY

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Volume: 95

Issue: 2-3

Special Issue: SI

Pages: 363-377

DOI: 10.1007/s11265-022-01830-y

Early Access Date: FEB 2023

Document Type: Article

Published: MAR 2023

ISSN: 1939-8018

eISSN: 1939-8115

Accession Number: WOS:000931840000001

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By: Mondal, A (Mondal, Abhijit); Sohel, MA (Sohel, Md. Amir); Mohammed, PA (Mohammed, P. Arif); Thomas, S (Thomas, Sabu); SenGupta, A (SenGupta, Asmita)

Title: Effect of carbon nano-tube on non-isothermal crystallization kinetics of PC/PP (80/20)

Source: JOURNAL OF POLYMER RESEARCH

Volume: 30

Issue: 7

Article Number: 256

DOI: 10.1007/s10965-023-03636-3

Document Type: Article

Published: JUL 2023

ISSN: 1022-9760

eISSN: 1572-8935

Accession Number: WOS:001003978400001

Record 76 of 180

By: Joseph, B (Joseph, Blessy); John, AJ (John, Amrit Jose); Glamoclija, J (Glamoclija, Jasmina); Stojkovic, D (Stojkovic, Dejan); Sokovic, M (Sokovic, Marina); Lazovic, S (Lazovic, Sasa); Kochupurackal, J (Kochupurackal, Jayachandran); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

Title: Processing and evaluation of the structure-properties of electrospun PCL/zirconium nanoparticle scaffolds

Source: MATERIALS TODAY COMMUNICATIONS

Volume: 34

Article Number: 104961

DOI: 10.1016/j.mtcomm.2022.104961

Document Type: Article

Published: MAR 2023

eISSN: 2352-4928

Accession Number: WOS:000991220200001

Record 77 of 180

By: Varghese, R (Varghese, Rositta); Ray, JG (Ray, J. G.)

Title: Sustainable agriculture of tropical spices: arbuscular mycorrhizal fungi as an ecotechnological tool - A critical review

Source: JOURNAL OF APPLIED RESEARCH ON MEDICINAL AND AROMATIC PLANTS

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Article Number: 100507

DOI: 10.1016/j.jarmap.2023.100507

Document Type: Review

Published: SEP 2023

eISSN: 2214-7861

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By: Vinodan, K (Vinodan, Karthik); Chacko, SK (Chacko, Sobi K.); Mohammed, R (Mohammed, Rubiya); Raneesh, B (Raneesh, B.); Kalarikkal, N (Kalarikkal, Nandakumar); Woldu, T (Woldu, Tesfakiros); Rouxel, D (Rouxel, Didier)

Title: Relaxor-antiferroelectric hybrids for pyroelectric energy conversion from low-grade heat using flexible PVDF-TrFE-CTFE-NaNbO₃ nanocomposite films

Source: POLYMER

Volume: 281

Article Number: 126135

DOI: 10.1016/j.polymer.2023.126135

Early Access Date: JUN 2023

Document Type: Article

Published: JUL 18 2023

ISSN: 0032-3861

eISSN: 1873-2291

Accession Number: WOS:001035279000001

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Title: Influence of vacancy defects on 2D BeN₄ monolayer for NH₃ adsorption: a density functional theory investigation

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Volume: 34

Issue: 43

Article Number: 435504

DOI: 10.1088/1361-6528/acea28

Document Type: Article

Published: OCT 23 2023

ISSN: 0957-4484

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PubMed ID: 37489852

Record 80 of 180

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DOI: 10.1007/s11265-023-01876-6

Early Access Date: JUN 2023

Document Type: Correction; Early Access

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Volume: 283

Article Number: 126179

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By: Mekala, S (Mekala, Sagar); Chatrapati, KS (Chatrapati, K. Shahu)

Title: A Hybrid Approach to Neighbour Discovery in Wireless Sensor Networks **Source:** INTELLIGENT AUTOMATION AND SOFT COMPUTING

Volume: 35

Issue: 1

Pages: 581-593

DOI: 10.32604/iasc.2023.023539

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By: Mavelil-Sam, R (Mavelil-Sam, Rubie); Ouseph, EM (Ouseph, Elizabeth Mariya); Morreale, M (Morreale, Marco); Scaffaro, R (Scaffaro, Roberto); Thomas, S (Thomas, Sabu) **Title:** Recent Developments and Formulations for Hydrophobic Modification of Carrageenan Bionanocomposites

Source: POLYMERS

Volume: 15

Issue: 7

Article Number: 1650

DOI: 10.3390/polym15071650

Document Type: Review

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Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS

Volume: 179

Article Number: 111407

DOI: 10.1016/j.jpics.2023.111407

Early Access Date: MAY 2023

Document Type: Article

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ISSN: 0022-3697

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By: Jaya, VM (Jaya, V. J. Mary); Krishnakumar, S (Krishnakumar, S.)

Title: Multi-classification approach for lung nodule detection and classification with proposed texture feature in X-ray images

Source: MULTIMEDIA TOOLS AND APPLICATIONS

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Document Type: Article; Early Access

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By: Lal, DM (Lal, Devika M.); Kumar, SV (Kumar, S. Vinod)

Title: Mindfulness-Based Intervention on Psychological Factors Among Students: A Meta-Analytic Study

Source: JOURNAL OF RATIONAL-EMOTIVE AND COGNITIVE-BEHAVIOR THERAPY **DOI:**

10.1007/s10942-023-00514-1

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By: Badawi, MA (Badawi, Mohammad Abd Al-Hakim); Khairbek, AA (Khairbek, Ali A.); Thomas, R (Thomas, Renjith)

Title: Computational studies of the CuAAC reaction mechanism with diimine and phosphorus ligands for the synthesis of 1,4-disubstituted 1,2,3-triazoles

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Volume: 47

Issue: 8

Pages: 3683-3691

DOI: 10.1039/d2nj06173b

Early Access Date: JAN 2023

Document Type: Article

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By: Alsulami, MD (Alsulami, M. D.); Hymavathi, D (Hymavathi, Dyapa)

Title: Melting heat transfer of micropolar nanofluid flow through porous medium

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS B

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DOI: 10.1142/S0217979223502946

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Document Type: Article; Early Access

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Title: Functionalised-biomatrix for wound healing and cutaneous regeneration: future impactful medical

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Volume: 11

Article Number: 1160577

DOI: 10.3389/fbioe.2023.1160577

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Record 90 of 180

By: Shaju, K (Shaju, Kshema); Babu, S (Babu, Sherin); Thomas, B (Thomas, Binu) **Title:** Analysing effectiveness of grey theory-based feature selection for meteorological estimation models **Source:** ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE

Volume: 123

Article Number: 106243

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Volume: 82

Issue: 20

Pages: 30463-30490

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Early Access Date: FEB 2023

Document Type: Article

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Record 92 of 180

By: Augustine, M (Augustine, Maria); Madhusudhanan, DT (Madhusudhanan, Dhanya Thaikatt); Velayudhan, MP (Velayudhan, Mohanan Puzhavorparambil)

Title: Thermal deactivation studies of alpha-amylase immobilized onto core-shell structured aniline

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Source: BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT

Volume: 37

Issue: 1

Pages: 273-285

DOI: 10.1080/13102818.2023.2182150

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Title: Investigations on the structural, electrical, magnetic and ⁵⁷Fe Mo spacing diaeresis ssbauer studies of YFeO₃

Source: CERAMICS INTERNATIONAL

Volume: 49

Issue: 5

Pages: 7500-7505

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Early Access Date: FEB 2023

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By: Koshy, RR (Koshy, Rekha Rose); Reghunadhan, A (Reghunadhan, Arunima); Mary, SK (Mary, Siji K.); Koshy, JT (Koshy, Jijo Thomas); Santhakumar, H (Santhakumar, Hema); Jayasree, RS (Jayasree, Ramapurath. S.); Pothen, LA (Pothan, Laly A.); Thomas, S (Thomas, Sabu)

Title: Simultaneous synthesis of carbon quantum dots, fluorescent probes, biofilms and hydrochar from sustainable vermicompost for versatile applications

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Issue: 6

Pages: 3385-3398

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Early Access Date: MAR 2023

Document Type: Article

Published: JUN 2023

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Title: Effects of Senna auriculata extract on viscoelastic, thixotropic and filtration properties of water-based drilling mud

Source: INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY

Volume: 32

Issue: 4

Pages: 311-339

DOI: 10.1504/IJOGCT.2023.129576

Document Type: Article

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By: Ganesh, G (Ganesh, Gayathry); Yasin, A (Yasin, Amina); Misnon, II (Misnon, Izan Izwan); Fakharuddin, A (Fakharuddin, Azhar); Schmidt-Mende, L (Schmidt-Mende, Lukas); Ab Rahim, MH (Ab Rahim, Mohd Hasbi); Thomas, S (Thomas, Sabu); Jose, R (Jose, Rajan)

Title: Augmenting stability and performance in perovskite solar cells: A critical review on perovskite polymer synergy

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Volume: 257

Pages: 266-306

DOI: 10.1016/j.solener.2023.04.011

Early Access Date: APR 2023

Document Type: Review

Published: JUN 2023

ISSN: 0038-092X

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By: Keerthy, S (Keerthy, S.); Sajinkumar, KS (Sajinkumar, K. S.)

Title: Comments on 'Reconstruction of subsurface configuration of Mohar (Dhala) impact structure, Shivpuri district, MP' by Roy et al. (2023), J. Earth Syst. Sci., Vol. 132, 35

Source: JOURNAL OF EARTH SYSTEM SCIENCE

Volume: 132

Issue: 3

Article Number: 110

DOI: 10.1007/s12040-023-02132-y

Document Type: Article

Published: JUL 7 2023

ISSN: 2347-4327

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Title: Chitosan-co-acrylic acid microgel fabricated with green synthesized silver nanoparticles for the sensing of hydrogen peroxide

Source: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY

Volume: 107

Issue: 3

Pages: 685-696

DOI: 10.1007/s10971-023-06104-y

Early Access Date: JUN 2023

Document Type: Article

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ISSN: 0928-0707

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By: Nagendar, V (Nagendar, Vankudothu); Raju, N (Raju, N.); Reddy, SSK (Reddy, S. Shraavan Kumar); Reddy, MS (Reddy, M. Sreenath); Reddy, CG (Reddy, Ch. Gopal); Reddy, PY (Reddy, P. Yadagiri)

Title: Impact of Gd³⁺ on structural, electrical and magnetic properties of Er_{1-x}Gd_xFeO₃ orthoferrites

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34

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Issue: 20

Article Number: 1535

DOI: 10.1007/s10854-023-10929-2

Document Type: Article

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ISSN: 0957-4522

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By: Sewnet, A (Sewnet, Agidew); Alemayehu, E (Alemayehu, Esayas); Abebe, M (Abebe, Muluaalem); Mani, D (Mani, Dhakshnamoorthy); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar); Lennartz, B (Lennartz, Bernd)

Title: Single-Step Synthesis of Graphitic Carbon Nitride Nanomaterials by Directly Calcining the Mixture of Urea and Thiourea: Application for Rhodamine B (RhB) Dye Degradation

Source: NANOMATERIALS

Volume: 13

Issue: 4

Article Number: 762

DOI: 10.3390/nano13040762

Document Type: Article

Published: FEB 2023

eISSN: 2079-4991

Accession Number: WOS:000941015400001

PubMed ID: 36839130

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By: Elangovan, N (Elangovan, N.); Sowrirajan, S (Sowrirajan, S.); Alzahrani, AYA (Alzahrani, Abdullah Yahya Abdullah); Nair, DRS (Rajendran Nair, Deepthi S.); Thomas, R (Thomas, Renjith) **Title:** Fluorescent Azomethine by the Condensation of Sulfadiazine and 4-Chlorobenzaldehyde in Solution: Synthesis, Characterization, Solvent Interactions, Electronic Structure, and Biological Activity Prediction **Source:** POLYCYCLIC AROMATIC COMPOUNDS

DOI: 10.1080/10406638.2023.2216833

Early Access Date: MAY 2023

Document Type: Article; Early Access

ISSN: 1040-6638

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By: John, VL (John, Varsha Lisa); Nayana, AR (Nayana, A. R.); Keerthi, TR (Keerthi, T. R.); Krishnan, AKA (Krishnan, Athira K. A.); Sasidharan, BCP (Sasidharan, B. C. P.); Vinod, TP (Vinod, T. P.) **Title:** Mulberry Leaves (Morus Rubra)-Derived Blue-Emissive Carbon Dots Fed to Silkworms to Produce Augmented Silk Applicable for the Ratiometric Detection of Dopamine

Source: MACROMOLECULAR BIOSCIENCE

DOI: 10.1002/mabi.202300081

Early Access Date: MAY 2023

Document Type: Article; Early Access

ISSN: 1616-5187

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PubMed ID: 37097218

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By: Pillai, RR (Pillai, Reshma R.); Sreelekshmi, PB (Sreelekshmi, P. B.); Meera, AP (Meera, A. P.); Thomas, S (Thomas, Sabu)

Title: Eco-Friendly Fabrication of Nanocurcumin/Nano Iron Oxide Composite: Enhanced In Vitro Anticancer Activity Against DLD-1 Cell Lines

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS

DOI: 10.1007/s10904-023-02735-4

Early Access Date: JUN 2023

Document Type: Article; Early Access

ISSN: 1574-1443

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By: Upadhyay, K (Upadhyay, Kanchan); Thomas, S (Thomas, Sabu); Tamrakar, RK (Tamrakar, Raunak Kumar)

Title: Photoluminescence Properties of Y₂SiO₅ Doped with Eu³⁺ Phosphor

Source: BRAZILIAN JOURNAL OF PHYSICS

Volume: 53

Issue: 4

Article Number: 87

DOI: 10.1007/s13538-023-01301-0

Document Type: Article

Published: AUG 2023

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Accession Number: WOS:000985847300001

Record 105 of 180

By: Vandana, S (Vandana, S.); Huggins, FE (Huggins, Frank E.); Shah, N (Shah, Naresh); Pattanaik, S (Pattanaik, Sidhartha)

Title: X-ray absorption spectroscopic study of the alumina supported Fe and FeMo catalysts for methane dehydrogenation

Source: JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA

Volume: 263

Article Number: 147294

DOI: 10.1016/j.elspec.2023.147294

Early Access Date: FEB 2023

Document Type: Article

Published: FEB 2023

ISSN: 0368-2048

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By: Al-Otaibi, JS (Al-Otaibi, Jamelah S. S.); Mary, YS (Mary, Y. Sheena); Mary, YS (Mary, Y. Shyma); Thomas, R (Thomas, Renjith)

Title: Evidences of noncovalent interactions between indole and dichloromethane under different solvent conditions

Source: JOURNAL OF MOLECULAR MODELING

Volume: 29

Issue: 8

Article Number: 246

DOI: 10.1007/s00894-023-05623-3

Document Type: Article

Published: AUG 2023

ISSN: 1610-2940

eISSN: 0948-5023

Accession Number: WOS:001027813600003

PubMed ID: 37442832

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By: Veena, RK (Veena, R. K.); Anand, A (Anand, Anitha); Devi, MM (Devi, M. Manjula); Veena, VS (Veena, V. S.); Cyriac, J (Cyriac, Jincemon); Kalarikkal, N (Kalarikkal, Nandakumar); Sagar, S (Sagar, S.)

Title: Unraveling the structural, dielectric, magnetodielectric, multiferroic, and magnetic properties of (1-x)LiNbO₃-xLa(0.9)Na(0.1)MnO(3) (x=0.1, 0.2, and 0.3) nanocomposite materials **Source:** APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING

Volume: 129

Issue: 8

Article Number: 598

DOI: 10.1007/s00339-023-06864-y

Document Type: Article

Published: AUG 2023

ISSN: 0947-8396

eISSN: 1432-0630

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Record 108 of 180

By: Al-Otaibi, JS (Al-Otaibi, Jamelah S.); Mary, YS (Mary, Y. Sheena); Mary, YS (Mary, Y. Shyma); Thomas, R (Thomas, Renjith)

Title: Evidences of noncovalent interactions between indole and dichloromethane under different solvent conditions (vol 29, 246, 2023)

Source: JOURNAL OF MOLECULAR MODELING

Volume: 29

Issue: 8

Article Number: 264

DOI: 10.1007/s00894-023-05676-4

Document Type: Correction

Published: AUG 2023

ISSN: 1610-2940

eISSN: 0948-5023

Accession Number: WOS:001038679700002

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By: Babukutty, B (Babukutty, Blessy); Ponnamma, D (Ponnamma, Deepalekshmi); Nair, SS (Nair, Swapna S.); Jose, J (Jose, Jiya); Bhat, SG (Bhat, Saritha G.); Thomas, S (Thomas, Sabu)

Title: Structural influence of chromium substituted magnetite ferrofluids on the optical and antibacterial characteristics

Source: MATERIALS TODAY COMMUNICATIONS

Volume: 34

Article Number: 105439

DOI: 10.1016/j.mtcomm.2023.105439

Early Access Date: JAN 2023

Document Type: Article

Published: MAR 2023

eISSN: 2352-4928

Accession Number: WOS:000991091600001

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By: Suman, G (Suman, G.); Reddy, MS (Reddy, M. Sreenath); Reddy, KVK (Reddy, K. Vinay Kumar); Reddy, CG (Reddy, Ch. Gopal); Reddy, PY (Reddy, P. Yadagiri)

Title: Radiological Risk Assessment due to Radon and Thoron in the Dwellings of Peddamula Village, Nalgonda District, Telangana, India

Source: INDIAN JOURNAL OF PURE & APPLIED PHYSICS

Volume: 61

Issue: 6

Pages: 467-471

DOI: 10.56042/ijpap.v61i6.2420

Document Type: Article

Published: JUN 2023

ISSN: 0019-5596

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Accession Number: WOS:001021072600012

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By: Karthik, C (Karthik, Chandrima); Rajalakshmi, S (Rajalakshmi, S.); Thomas, S (Thomas, Sabu); Thomas, V (Thomas, Vinoy)

Title: Intelligent polymeric biomaterials surface driven

Source: CURRENT OPINION IN BIOMEDICAL ENGINEERING

Volume: 26

Article Number: 100440

DOI: 10.1016/j.cobme.2022.100440

Early Access Date: JAN 2023

Document Type: Article

Published: JUN 2023

ISSN: 2468-4511

Accession Number: WOS:000926767600001

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By: Mathew, MS (Mathew, Meegle S.); Krishnan, G (Krishnan, Greeshma); Mathews, AA (Mathews, Amita Anne); Sunil, K (Sunil, Kevin); Mathew, L (Mathew, Leo); Antoine, R (Antoine, Rodolphe); Thomas, S (Thomas, Sabu)

Title: Recent Progress on Ligand-Protected Metal Nanoclusters in Photocatalysis

Source: NANOMATERIALS

Volume: 13

Issue: 12

Article Number: 1874

DOI: 10.3390/nano13121874

Document Type: Review

Published: JUN 2023

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PubMed ID: 37368304

Record 113 of 180

By: Rayaroth, MP (Rayaroth, Manoj P.); Boczkaj, G (Boczkaj, Grzegorz); Aubry, O (Aubry, Olivier); Aravind, UK (Aravind, Usha K.); Aravindakumar, CT (Aravindakumar, Charuvila T.) **Title:** Advanced Oxidation Processes for Degradation of Water Pollutants-Ambivalent Impact of Carbonate Species: A Review

Source: WATER

Volume: 15

Issue: 8

Article Number: 1615

DOI: 10.3390/w15081615

Document Type: Review

Published: APR 2023

eISSN: 2073-4441

Accession Number: WOS:000978389500001

Record 114 of 180

By: Paul, T (Paul, Tessa); Palakulam, JJ (Palakulam, Joyal Jain); Unnikrishnan, NV (Unnikrishnan, N. V.); Philip, R (Philip, Reji); Mary, KAA (Mary, K. A. Ann)

Title: Warm to cool tunable ultra-stable white light emissions from carbon dots-Tb³⁺-Eu³⁺-doped silica

Source: OPTICAL MATERIALS

Volume: 138

Article Number: 113673

DOI: 10.1016/j.optmat.2023.113673

Early Access Date: MAR 2023

Document Type: Article

Published: APR 2023

ISSN: 0925-3467

eISSN: 1873-1252

Accession Number: WOS:000955689000001

Record 115 of 180

By: Dupati, P (Dupati, Praveen); Sapuri-Butti, AR (Sapuri-Butti, Annapoorna R.); Musini, A (Musini, Anjaneyulu); Singh, HN (Narayan Singh, Himanshu)

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Title: Synthesis of New 2-(Pyridin-4-yl)-1H-imidazo[4,5-b]pyridine Derivatives: In vitro Antibacterial and In silico Screening

Source: CHEMISTRYSELECT

Volume: 8

Issue: 9

Article Number: e202204774

DOI: 10.1002/slct.202204774

Document Type: Article

Published: MAR 6 2023

ISSN: 2365-6549

Accession Number: WOS:000940775400001

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By: Ganesan, TS (Ganesan, T. Sankar); Elangovan, N (Elangovan, N.); Sirajunnisa, A (Sirajunnisa, A.); Angel, T (Angel, T.); Sowrirajan, S (Sowrirajan, S.); Chandrasekar, S (Chandrasekar, S.); Nair, DSR (Nair, Deepthi S. Rajendran); Thomas, R (Thomas, Renjith)

Title: Synthesis, Quantum Mechanical Studies, Physicochemical Properties and Molecular Docking Studies of Schiff Base N-N-(1,2-Phenylene)Bis(1-(4-Bromophenyl)Methanimine) from o-Phenylenediamine and 4-Bromobenzaldehyde

Source: POLYCYCLIC AROMATIC COMPOUNDS

DOI: 10.1080/10406638.2023.2209260

Early Access Date: MAY 2023

Document Type: Article; Early Access

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By: Babukutty, B (Babukutty, Blessy); Ponnamma, D (Ponnamma, Deepalekshmi); Nair, SS (Nair, Swapna S. S.); Jose, J (Jose, Jiya); Bhat, SG (Bhat, Saritha G. G.); Thomas, S (Thomas, Sabu)

Title: Structural, magnetic and antibacterial properties of manganese-substituted magnetite ferrofluids

Source: INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS

Volume: 30

Issue: 7

Pages: 1417-1426

DOI: 10.1007/s12613-022-2594-1

Document Type: Article

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Record 118 of 180

By: Pednekar, S (Pednekar, Snehal); Sivanandan, ST (Sivanandan, Sudheesh T.); Kumar, D (Kumar, Deepak); Krishna, RB (Krishna, Raveendran Bharath); Namboothiri, INN (Namboothiri, Irishi N. N.)

Title: Catalyst- and Base-Free Synthesis of Morita-Baylis-Hillman and Rauhut-Currier Adducts of α -Aminonitroalkenes

Source: JOURNAL OF ORGANIC CHEMISTRY

Volume: 88

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Issue: 7

Pages: 4799-4808

DOI: 10.1021/acs.joc.2c02969

Early Access Date: MAR 2023

Document Type: Article

Published: APR 7 2023

ISSN: 0022-3263

eISSN: 1520-6904

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PubMed ID: 36971694

Record 119 of 180

By: Anirudhan, AM (Anirudhan, Anitha Melesuparambil); Mani, B (Mani, Bince); Gnanasekaran, G (Gnanasekaran, Gunadayalan); Thomas, S (Thomas, Sinjumol)

Title: Rediscovery of *Impatiens parvifolia* and reinstatement of *I. omissa* (Balsaminaceae) in India

Source: PHYTOTAXA

Volume: 589

Issue: 3

Pages: 269-277

DOI: 10.11646/phytotaxa.589.3.5

Document Type: Article

Published: MAR 28 2023

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Accession Number: WOS:000971890200005

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By: Varghese, M (Varghese, Mercy); Malap, N (Malap, Neelam); Konwar, M (Konwar, Mahen); Bera, S (Bera, Sudarsan); Jose, J (Jose, Jerry); Bankar, SP (Bankar, Shivdas P.); Murugavel, P (Murugavel, P.); Prabha, TV (V. Prabha, Thara)

Title: Impact of monsoon on below cloud base aerosol hygroscopicity over a rain shadow region of India

Source: ATMOSPHERIC RESEARCH

Volume: 285

Article Number: 106630

DOI: 10.1016/j.atmosres.2023.106630

Early Access Date: FEB 2023

Document Type: Article

Published: APR 2023

ISSN: 0169-8095

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Accession Number: WOS:000933532100001

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By: George, KA (George, K. Amal); Sunil, PS (Sunil, P. S.); Anish, AU (Anish, A. U.); Gopinath, G (Gopinath, Girish); Mini, VK (Mini, V. K.)

Title: A Pilot Assessment of the Fatal Landslide on 29 August 2022 in Kudayathoor, Idukki,

Kerala **Source:** JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA

Volume: 99

Issue: 1

Pages: 141-144

DOI: 10.1007/s12594-023-2277-1

Document Type: Editorial Material

Published: JAN 2023

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eISSN: 0974-6889

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Title: Optimized high-yield synthesis of chitin nanocrystals from shrimp shell chitin by steam explosion

Source: INFECTION AND DRUG RESISTANCE

Volume: 16

Article Number: 121040

DOI: 10.1016/j.carbpol.2023.121040

Document Type: Article

Published: 2023

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PubMed ID: 37321734

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By: Ranganatha, CL (Ranganatha, C. Lakshmi); Palakshamurthy, BS (Palakshamurthy, B. S.); Abhilash, GP (Abhilash, G. P.); Mathew, A (Mathew, Anu); Kumar, HMS (Kumar, H. M. Suresh); Shivakumara, C (Shivakumara, C.)

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Issue: 18

Article Number: 1412

DOI: 10.1007/s10854-023-10820-0

Document Type: Article

Published: JUN 2023

ISSN: 0957-4522

eISSN: 1573-482X

Accession Number: WOS:001021000300003

Record 124 of 180

By: Sudheendranath, A (Sudheendranath, Athul); Avinash, K (Avinash, Kiran); Venugopalan, P (Venugopalan, Paloth); Kumar, A (Kumar, Anil); Thomas, SP (Thomas, Sajesh P.) **Title:** Fluorine versus Hydroxyl in Supramolecular Space: Effect of Organic Fluorine in Molecular Conformation, Lattice Cohesive Energies, and Receptor Binding in a Series of alpha-Fluoroketones **Source:**

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Volume: 23

Issue: 6

Pages: 4013-4024

DOI: 10.1021/acs.cgd.2c01391

Document Type: Article

Published: MAY 15 2023

ISSN: 1528-7483

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Accession Number: WOS:001005955300001

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By: Sunilkumar, A (Sunilkumar, Anegundi); Manjunatha, S (Manjunatha, Shidiginamola); Ravikiran, YT (Ravikiran, Yaled Thippeswamy); Thomas, S (Thomas, Sabu); Machappa, T (Machappa, Teluguru) **Title:** AC electrical properties of transition metal dichalcogenide based polypyrrole composites **Source:** CHEMICAL PAPERS

Volume: 77

Issue: 9

Pages: 4913-4921

DOI: 10.1007/s11696-023-02828-x

Early Access Date: APR 2023

Document Type: Article

Published: SEP 2023

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Accession Number: WOS:000976557100001

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By: Veena, RK (Veena, R. K.); Anand, A (Anand, Anitha); Devi, MM (Devi, M. Manjula); Veena, VS (Veena, V. S.); Bharadwaj, S (Bharadwaj, Suresh); Kalarikkal, N (Kalarikkal, Nandakumar); Cyriac, J (Cyriac, Jincemon); Sagar, S (Sagar, S.)

Title: Enhancement of dielectric, ferroelectric and multiferroic properties (1-x) LiNbO₃-(x) La_{0.9}Na_{0.1}MnO₃ (x=0.1, 0.2 and 0.3) nanocomposite system

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Volume: 46

Issue: 3

Article Number: 158

DOI: 10.1007/s12034-023-02992-6

Document Type: Article

Published: JUL 26 2023

ISSN: 0250-4707

eISSN: 0973-7669

Accession Number: WOS:001036682200003

Record 127 of 180

By: Shi, HR (Shi, Haoran); Manirajan, BA (Ambika Manirajan, Binoy); Ratering, S (Ratering, Stefan); Geissler-Plaum, R (Geissler-Plaum, Rita); Schnell, S (Schnell, Sylvia)

Title: *Robbsia betulipollinis* sp. nov., Isolated from Pollen of Birch (*Betula pendula*)

Source: CURRENT MICROBIOLOGY

Volume: 80

Issue: 7

Article Number: 234

DOI: 10.1007/s00284-023-03344-7

Document Type: Article

Published: JUL 2023

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eISSN: 1432-0991

Accession Number: WOS:001002670300001

PubMed ID: 37278851

Record 128 of 180

By: Badawi, MAAH (Al-Hakim Badawi, Mohammad Abd); Al-Zaben, MI (Al-Zaben, Maha I.); Thomas, R (Thomas, Renjith)

Title: DFT Studies on Mechanism of Organocatalytic Metal-Free Click 32CA Reaction for Synthesis of NH-1,2,3-triazoles

Source: CATALYSIS LETTERS

DOI: 10.1007/s10562-023-04374-3

Early Access Date: JUN 2023

Document Type: Article; Early Access

ISSN: 1011-372X

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Accession Number: WOS:001000886800001

Record 129 of 180

By: Elangovan, N (Elangovan, N.); Ganesan, TS (Ganesan, T. Sankar); Rajeswari, B (Rajeswari, B.); Kanagavalli, A (Kanagavalli, A.); Kokilavani, S (Kokilavani, S.); Sowrirajan, S (Sowrirajan, S.); Chandrasekar, S (Chandrasekar, S.); Thomas, R (Thomas, Renjith)

Title: Solid-state Synthesis, electronic Structure Studies, Solvent Interaction through Hydrogen Bonding, and Molecular Docking Studies of 2,2'-((1,2-Phenylenebis(Azaneylylidene))Bis (Methaneylylidene))Diphenol from o-Phenylenediamine and Salicylaldehyde

Source: POLYCYCLIC AROMATIC COMPOUNDS

DOI: 10.1080/10406638.2023.2198723

Early Access Date: APR 2023

Document Type: Article; Early Access

ISSN: 1040-6638

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By: Alex, C (Alex, Chandraraj); Jana, R (Jana, Rajkumar); Ramakrishnan, V (Ramakrishnan, Vivek); Kovilakath, MSN (Kovilakath, Muhammed Safeer Naduvil); Datta, A (Datta, Ayan); John, NS (John, Neena S.); Tayal, A (Tayal, Akhil)

Title: Probing the Evolution of Active Sites in MoO₂ for Hydrogen Generation in Acidic Medium

Source: ACS APPLIED ENERGY MATERIALS

Volume: 6

Issue: 10

Pages: 5342-5351

DOI: 10.1021/acsaem.3c00320

Early Access Date: MAY 2023

Document Type: Article

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By: Al-Otaibi, JS (Al-Otaibi, Jamelah S. S.); Mary, YS (Mary, Y. Sheena); Mary, YS (Mary, Y. Shyma); Thomas, R (Thomas, Renjith); Costa, RA (Costa, Renyer Alves)

Title: DFT Investigations on the Interactions Between Pyrimidine Derivatives and Ag/Au/Cu Metal Clusters: Solvation Effects and Reactivity Analysis

Source: JOURNAL OF CLUSTER SCIENCE

DOI: 10.1007/s10876-023-02429-4

Early Access Date: APR 2023

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ISSN: 1040-7278

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By: Kebede, T (Kebede, Tamiru); Abebe, M (Abebe, Mulualem); Mani, D (Mani, Dhakshnamoorthy); Paduvilan, JK (Paduvilan, Jibin Keloth); Thottathi, L (Thottathi, Lishin); Thankappan, A (Thankappan, Aparna); Thomas, S (Thomas, Sabu); Kamangar, S (Kamangar, Sarfaraz); Shaik, AS (Shaik, Abdul Saddique); Badruddin, IA (Badruddin, Irfan Anjum); Aga, FG (Aga, Fekadu Gochole); Kim, JY (Kim, Jung Yong)

Title: Phase Behavior and Role of Organic Additives for Self-Doped CsPbI₃ Perovskite Semiconductor Thin Films

Source: MICROMACHINES

Volume: 14

Issue: 8

Article Number: 1601

DOI: 10.3390/mi14081601

Document Type: Article

Published: AUG 2023

eISSN: 2072-666X

Accession Number: WOS:001055497600001

PubMed ID: 37630137

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By: Remya, VP (Remya, Vasudevan Pillay); Parani, S (Parani, Sundararajan); Sakho, EM (Sakho, El Hadji Mamour); Rajendran, JV (Rajendran, Jose Varghese); Maluleke, R (Maluleke, Rodney); Lebepe, TC (Lebepe, Thabang Calvin); Masha, S (Masha, Sam); Hameed, N (Hameed, Nishar); Thomas, S (Thomas, Sabu); Oluwafemi, OS (Oluwafemi, Oluwatobi Samuel)

Title: Highly Toughened Nanostructured Self-Assembled Epoxy-Based Material-Correlation Study between Nanostructured Morphology and Fracture Toughness-Impact Characteristics

Source: POLYMERS

Volume: 15

Issue: 7

Article Number: 1689

DOI: 10.3390/polym15071689

Document Type: Article

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Published: APR 2023

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Accession Number: WOS:000969886100001

PubMed ID: 37050304

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By: Anila, I (Anila, I.); Lahiri, BB (Lahiri, B. B.); John, SP (John, Subin P.); Mathew, MJ (Mathew, M. Jacob); Philip, J (Philip, John)

Title: Preparation, physicochemical characterization, and AC induction heating properties of colloidal aggregates of ferrimagnetic cobalt ferrite nanoparticles coated with a bio-compatible polymer **Source:** CERAMICS INTERNATIONAL

Volume: 49

Issue: 10

Pages: 15183-15199

DOI: 10.1016/j.ceramint.2023.01.101

Early Access Date: APR 2023

Document Type: Article

Published: MAY 15 2023

ISSN: 0272-8842

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By: Anandalli, MH (Anandalli, Mallikarjun H.); Bhajantri, RF (Bhajantri, R. F.); Maidur, SR (Maidur, Shivaraj R.); Shastri, LA (Shastri, L. A.); Sasirekha, V (Sasirekha, V.)

Title: Dominant role of organic dye on Mn: ZnS/PMMA polymer nanocomposites: Structural, thermal, linear, and nonlinear optical properties for optoelectronic and photonic applications **Source:** MATERIALS TODAY COMMUNICATIONS

Volume: 35

Article Number: 105918

DOI: 10.1016/j.mtcomm.2023.105918

Early Access Date: APR 2023

Document Type: Article

Published: JUN 2023

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Record 136 of 180

By: Lawal, U (Lawal, Usman); Samyuktha, R (Samyuktha, Raja); Robert, V (Robert, Vijay); Sreelakshmi, K (Sreelakshmi, K.); Gopi, A (Gopi, Akshai); Poochi, M (Poochi, Murugesan); Loganathan, S (Loganathan, Sravanthi); Thomas, S (Thomas, Sabu); Valapa, RB (Valapa, Ravi Babu)

Title: Poly(lactic acid)/cholecalciferol based composites for active food packaging application

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 246

Article Number: 125637

DOI: 10.1016/j.ijbiomac.2023.125637

Early Access Date: JUL 2023

Document Type: Article

Published: AUG 15 2023

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Accession Number: WOS:001032493400001

PubMed ID: 37392923

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Title: Preparation of beta-Cyclodextrin Conjugated, Gelatin Stabilized SBA 15-CuInS₂/ZnS Quantum Dot Nanocomposites for Camptothecin Release

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS

DOI: 10.1007/s10904-023-02801-x

Early Access Date: JUL 2023

Document Type: Article; Early Access

ISSN: 1574-1443

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Accession Number: WOS:001038349100002

Record 138 of 180

By: Joseph, A (Joseph, Aswathy); Supin, KK (Supin, K. K.); Divya, KS (Divya, K. S.); Sreerenjini, CR (Sreerenjini, C. R.); Balan, B (Balan, Bhagyalakshmi); Vijayakumar, V (Vijayakumar, Vishnu); Vasundhara, M (Vasundhara, M.); Mathew, S (Mathew, Suresh)

Title: Hydro-ionothermally Generated Paramagnetic Fe State-Embedded Ferromagnetic Iron Oxide with a 2D Hexagonal Nanostructure: A Conceptual Intervention on the Methylene Blue Degradation Mechanism

Source: CRYSTAL GROWTH & DESIGN

Volume: 23

Issue: 9

Pages: 6378-6392

DOI: 10.1021/acs.cgd.3c00348

Early Access Date: JUL 2023

Document Type: Article

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Record 139 of 180

By: Upadhyay, K (Upadhyay, Kanchan); Tamrakar, RK (Tamrakar, Raunak Kumar); Thomas, S (Thomas, Sabu); Kumar, M (Kumar, Manish)

Title: Surface functionalized nanoparticle A boon to biomedical science

Source: CHEMICO-BIOLOGICAL INTERACTIONS

Volume: 380

Article Number: 110537

DOI: 10.1016/j.cbi.2023.110537

Early Access Date: MAY 2023

Document Type: Review

Published: AUG 1 2023

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PubMed ID: 37182689

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By: Gunjal, LB (Gunjal, L. B.); Manjunatha, S (Manjunatha, S.); Chethan, B (Chethan, B.); Nagabhushana, NM (Nagabhushana, N. M.); Ravikiran, YT (Ravikiran, Y. T.); Machappa, T (Machappa, T.); Thomas, S (Thomas, S.)

Title: Humidity sensing performance of polyaniline-neodymium oxide composites

Source: MRS COMMUNICATIONS

Volume: 13

Issue: 2

Pages: 248-255

DOI: 10.1557/s43579-023-00336-3

Early Access Date: FEB 2023

Document Type: Article

Published: APR 2023

ISSN: 2159-6859

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Accession Number: WOS:000933210200001

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By: Ince, JC (Ince, J. C.); Peerzada, M (Peerzada, M.); Mathews, LD (Mathews, L. D.); Pai, AR (Pai, A. R.); Al-qatatsheh, A (Al-qatatsheh, A.); Abbasi, S (Abbasi, S.); Yin, Y (Yin, Y.); Hameed, N (Hameed, N.); Duffy, AR (Duffy, A. R.); Lau, AK (Lau, A. K.); Salim, NV (Salim, N. V.)

Title: Overview of emerging hybrid and composite materials for space applications

Source: ADVANCED COMPOSITES AND HYBRID MATERIALS

Volume: 6

Issue: 4

Article Number: 130

DOI: 10.1007/s42114-023-00678-5

Document Type: Review

Published: AUG 2023

ISSN: 2522-0128

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Accession Number: WOS:001020599800001

Record 142 of 180

By: Thangadurai, TD (Thangadurai, T. Daniel); Manjubaashini, N (Manjubaashini, N.); Sowndarya, A (Sowndarya, A.); Subitha, A (Subitha, A.); Kausalya, G (Kausalya, G.); Shanmugaraju, S (Shanmugaraju, S.); Ahmad, I (Ahmad, I.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar) **Title:** Multipurpose biological applications of excitation-dependent fluorescent carbon nano dots emanated from biomass waste

Source: MATERIALS CHEMISTRY AND PHYSICS

Volume: 307

Article Number: 128113

DOI: 10.1016/j.matchemphys.2023.128113

Early Access Date: JUN 2023

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Document Type: Article

Published: OCT 1 2023

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Accession Number: WOS:001038966300001

Record 143 of 180

By: Tesfaye, D (Tesfaye, Dawit); Linert, W (Linert, Wolfgang); Gebrezgiabher, M (Gebrezgiabher, Mamo); Bayeh, Y (Bayeh, Yosef); Elemo, F (Elemo, Fikre); Sani, T (Sani, Taju); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, M (Thomas, Madhu)

Title: Iron(II) Mediated Supramolecular Architectures with Schiff Bases and Their Spin-Crossover Properties

Source: MOLECULES

Volume: 28

Issue: 3

Article Number: 1012

DOI: 10.3390/molecules28031012

Document Type: Review

Published: FEB 2023

eISSN: 1420-3049

Accession Number: WOS:000929729100001

PubMed ID: 36770685

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By: Reena, VN (Reena, V. N.); Bhagyasree, GS (Bhagyasree, G. S.); Shilpa, T (Shilpa, T.); Nair, RA (Aswati Nair, R.); Misha, H (Misha, H.); Nithyaja, B (Nithyaja, B.)

Title: Photocatalytic, Antibacterial, Cytotoxic and Bioimaging Applications of Fluorescent CdS Nanoparticles Prepared in DNA Biotemplate

Source: JOURNAL OF FLUORESCENCE

DOI: 10.1007/s10895-023-03292-2

Early Access Date: JUN 2023

Document Type: Article; Early Access

ISSN: 1053-0509

eISSN: 1573-4994

Accession Number: WOS:001002869000002

PubMed ID: 37284964

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By: Ahmed, F (Ahmed, Faheem); Rao, TN (Rao, Tentu Nageswara); Arshi, N (Arshi, Nishat); Prashanthi, Y (Prashanthi, Y.); Kumar, S (Kumar, Shalendra); Alshoaibi, A (Alshoaibi, Adil)

Title: Fe₂O₃-Ag₂O/TiO₂ Nanocatalyst-Assisted LC-MS/MS-Based Detoxification of Pesticide Residues in *Daphnia magna* and Algae Mediums

Source: CRYSTALS

Volume: 13

Issue: 4

Article Number: 644

DOI: 10.3390/cryst13040644

Document Type: Article

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eISSN: 2073-4352

Accession Number: WOS:000977443600001

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By: Das, TK (Das, Tushar Kanti); Karmakar, S (Karmakar, Sudip); Garg, P (Garg, Parveen); Bhagat, S (Bhagat, Sakshi); Deshpande, U (Deshpande, Uday); Hussain, S (Hussain, Shamima); Pal, S (Pal, Samanwita); Kalarikkal, N (Kalarikkal, Nandakumar); Saha, A (Saha, Abhijit); Pramanik, G (Pramanik, Goutam)

Title: Fluorination of the tertiary carbon at the edge of graphene oxide

Source: JOURNAL OF MATERIALS SCIENCE

Volume: 58

Issue: 23

Pages: 9409-9419

DOI: 10.1007/s10853-023-08582-5

Early Access Date: JUN 2023

Document Type: Article

Published: JUN 2023

ISSN: 0022-2461

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Accession Number: WOS:001000490500003

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By: Anggriani, N (Anggriani, Nursanti); Panigoro, HS (Panigoro, Hasan S.); Rahmi, E (Rahmi, Emli); Peter, OJ (Peter, Olumuyiwa James); Jose, SA (Jose, Sayooj Aby)

Title: A predator-prey model with additive Allee effect and intraspecific competition on predator involving Atangana-Baleanu-Caputo derivative

Source: RESULTS IN PHYSICS

Volume: 49

Article Number: 106489

DOI: 10.1016/j.rinp.2023.106489

Early Access Date: MAY 2023

Document Type: Article

Published: JUN 2023

ISSN: 2211-3797

Accession Number: WOS:001012847800001

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By: Sreejith, S (Sreejith, S.); Paul, M (Paul, Merin); Mol, SB (Mol, S. Bichu); Induja, CG (Induja, C. G.); Baby, CS (Baby, Cimmya S.); Kumari, A (Kumari, Ankita); Budhwar, R (Budhwar, Roli); Sathi, SN (Sathi, Shijulal Nelson); Radhakrishnan, EK (Radhakrishnan, E. K.)

Title: Genomic insight into the environmental adaptations and toxigenic features of endophytic *Bacillus cereus* CaB1 isolated from *Capsicum annuum* L.

Source: 3 BIOTECH

Volume: 13

Issue: 2

Article Number: 68

DOI: 10.1007/s13205-023-03463-9

Document Type: Article

Published: FEB 2023

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ISSN: 2190-572X

eISSN: 2190-5738

Accession Number: WOS:000922030100001

PubMed ID: 36733383

Record 149 of 180

By: Elangovan, N (Elangovan, N.); Alzahrani, AY (Alzahrani, Abdullah Y.); Ajithkumar, G (Ajithkumar, G.); Rajimon, KJ (Rajimon, K. J.); Thomas, R (Thomas, Renjith)

Title: Investigation of Molecular Structure, Topological and Molecular Docking Studies of a Novel Anticancer Drug Pacritinib

Source: POLYCYCLIC AROMATIC COMPOUNDS

Article Number: 2249575

DOI: 10.1080/10406638.2023.2249575

Document Type: Article

Published: AUG 24 2023

ISSN: 1040-6638

eISSN: 1563-5333

Accession Number: WOS:001054370200001

Record 150 of 180

By: Ramachandru, M (Ramachandru, Mattipelli); Hymavathi, D (Hymavathi, D.); Reddy, MCK (Reddy, M. Chenna Krishna); Fareeduddin, M (Fareeduddin, Mohammed); Kishan, N (Kishan, N.); Umshaiah, M (Umshaiah, Mahadevaiah); Gill, HS (Gill, Harjot Singh)

Title: Role of bioconvection and activation energy on MHD flow of Maxwell's nanofluid with gyrotactic microorganisms in porous media: The Cattaneo-Christov model

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS B

DOI: 10.1142/S0217979223503009

Early Access Date: JUL 2023

Document Type: Article; Early Access

ISSN: 0217-9792

eISSN: 1793-6578

Accession Number: WOS:001040082400008

Record 151 of 180

By: Gayathri, PV (Gayathri, Padinchare Veettil); Joseph, S (Joseph, Shijo); Mohan, M (Mohan, Mahesh); Pillai, D (Pillai, Devika)

Title: Advanced oxidation processes for the degradation of microplastics from the environment: A review

Source: WATER AND ENVIRONMENT JOURNAL

DOI: 10.1111/wej.12883

Early Access Date: MAY 2023

Document Type: Review; Early Access

ISSN: 1747-6585

eISSN: 1747-6593

Accession Number: WOS:000993961100001

Record 152 of 180

By: Divya, S (Divya, S.); Anusree, AR (Anusree, A. R.); Vigi, S (Vigi, S.); Jiji, SG (Jiji, S. G.); Das, PA (Das, P. Akshaya); Dev, ASR (Dev, A. S. Rahul); Thara, SS (Thara, Susha S.); Varghese, EM (Varghese, Edna Mary); Gopinath, PP (Gopinath, Pratheesh P.); Anith, KN (Anith, K. N.)

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Title: Silver nanoparticles green synthesized with leaf extract of disease-resistant amaranthus genotypes effectively suppress leaf blight (*Rhizoctonia solani* Kuhn) disease in a susceptible red amaranthus cultivar

Source: 3 BIOTECH

Volume: 13

Issue: 6

Article Number: 196

DOI: 10.1007/s13205-023-03614-y

Document Type: Article

Published: JUN 2023

ISSN: 2190-572X

eISSN: 2190-5738

Accession Number: WOS:000990321300001

PubMed ID: 37215371

Record 153 of 180

By: Idosa, DA (Idosa, Dula Adugna); Abebe, M (Abebe, Mulualem); Mani, D (Mani, Dhakshnamoorthy); Thankappan, A (Thankappan, Aparna); Thomas, S (Thomas, Sabu); Aga, FG (Aga, Fekadu Gochole); Kim, JY (Kim, Jung Yong)

Title: A Blue-Light-Emitting 3 nm-Sized CsPbBr₃ Perovskite Quantum Dot with ZnBr₂ Synthesized by Room-Temperature Supersaturated Recrystallization

Source: PHOTONICS

Volume: 10

Issue: 7

Article Number: 802

DOI: 10.3390/photronics10070802

Document Type: Article

Published: JUL 2023

eISSN: 2304-6732

Accession Number: WOS:001036669700001

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By: Jayachitra, R (Jayachitra, R.); Thilagavathi, G (Thilagavathi, G.); Kanagavalli, A (Kanagavalli, A.); Elangovan, N (Elangovan, N.); Sowrirajan, S (Sowrirajan, S.); Thomas, R (Thomas, Renjith) **Title:** Photophysical properties of (E)-4-((1-phenylethylidene) amino)-N-(pyrimidin-2-yl) benzenesulfonamide; synthesis, characterization, wavefunction and docking studies **Source:** JOURNAL OF THE INDIAN CHEMICAL SOCIETY

Volume: 100

Issue: 2

Article Number: 100903

DOI: 10.1016/j.jics.2023.100903

Early Access Date: JAN 2023

Document Type: Article

Published: FEB 2023

ISSN: 0019-4522

Accession Number: WOS:000925755700001

Record 155 of 180

By: Joseph, TM (Joseph, Tomy Muringayil); Mahapatra, DK (Mahapatra, Debarshi Kar); Esmacili, A (Esmacili, Amin); Piszczyk, L (Piszczyk, Lukasz); Hasanin, MS (Hasanin, Mohamed S.); Kattali, M

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(Kattali, Mashhoor); Haponiuk, J (Haponiuk, Jozef); Thomas, S (Thomas, Sabu)

Title: Nanoparticles: Taking a Unique Position in Medicine

Source: NANOMATERIALS

Volume: 13

Issue: 3

Article Number: 574

DOI: 10.3390/nano13030574

Document Type: Review

Published: FEB 2023

eISSN: 2079-4991

Accession Number: WOS:000930911600001

PubMed ID: 36770535

Record 156 of 180

By: Neves, RM (Neves, Roberta Motta); Ornaghi, HL (Ornaghi Jr, Heitor Luiz); Alves, FC (Alves, Fillip Cortat); Zattera, AJ (Zattera, Ademir Jose); Tom, M (Tom, Milanta); Lal, HM (Lal, Hiran Mayookh); Uthaman, A (Uthaman, Arya); Thomas, S (Thomas, Sabu)

Title: Creep and stress relaxation behavior of functionalized microcrystalline cellulose/epoxy composites

Source: CELLULOSE

Volume: 30

Issue: 4

Pages: 2197-2216

DOI: 10.1007/s10570-022-05020-8

Early Access Date: JAN 2023

Document Type: Article

Published: MAR 2023

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Record 157 of 180

By: Joseph, TM (Joseph, Tomy Muringayil); Kallingal, A (Kallingal, Anoop); Suresh, AM (Suresh, Akshay Maniyeri); Mahapatra, DK (Mahapatra, Debarshi Kar); Hasanin, MS (Hasanin, Mohamed S.); Haponiuk, J (Haponiuk, Jozef); Thomas, S (Thomas, Sabu)

Title: 3D printing of polylactic acid: recent advances and opportunities

Source: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY

Volume: 125

Issue: 3-4

Pages: 1015-1035

DOI: 10.1007/s00170-022-10795-y

Early Access Date: JAN 2023

Document Type: Review

Published: MAR 2023

ISSN: 0268-3768

eISSN: 1433-3015

Accession Number: WOS:000909992400001

PubMed ID: 36644783

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By: Joseph, D (Joseph, Dianavinnarasi); Ramachandran, R (Ramachandran, Raja); Alzabut, J (Alzabut, Jihad); Jose, SA (Jose, Sayooj Aby); Khan, H (Khan, Hasib)

Title: A Fractional-Order Density-Dependent Mathematical Model to Find the Better Strain of Wolbachia

Source: SYMMETRY-BASEL

Volume: 15

Issue: 4

Article Number: 845

DOI: 10.3390/sym15040845

Document Type: Article

Published: APR 2023

eISSN: 2073-8994

Accession Number: WOS:000981111100001

Record 159 of 180

By: Rebello, S (Rebello, Sharrel); Sali, S (Sali, Sangeeta); Jisha, MS (Jisha, M. S.); Reshmy, R (Reshmy, R.); Pugazhendhi, A (Pugazhendhi, Arivalagan); Madhavan, A (Madhavan, Aravind); Binod, P (Binod, Parameswaran); Awasthi, MK (Awasthi, Mukesk Kumar); Pandey, A (Pandey, Ashok); Sindhu, R (Sindhu, Raveendran)

Title: Chitosan a versatile adsorbent in environmental remediation in the era of circular economy-a mini

review

Source: SUSTAINABLE CHEMISTRY AND PHARMACY

Volume: 32

Article Number: 101004

DOI: 10.1016/j.scp.2023.101004

Early Access Date: JAN 2023

Document Type: Review

Published: MAY 2023

eISSN: 2352-5541

Accession Number: WOS:001003449100001

Record 160 of 180

By: John, J (John, Jacob); Klepac, D (Klepac, Damir); Kurek, M (Kurek, Mia); Scetar, M (Scetar, Mario); Galic, K (Galic, Kata); Valic, S (Valic, Srecko); Thomas, S (Thomas, Sabu); Pius, A (Pius, Anitha) **Title:** Phase Behavior of NR/PMMA Semi-IPNs and Development of Porous Structures **Source:** POLYMERS

Volume: 15

Issue: 6

Article Number: 1353

DOI: 10.3390/polym15061353

Document Type: Article

Published: MAR 2023

eISSN: 2073-4360

Accession Number: WOS:000959249800001

PubMed ID: 36987133

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By: Welyab, G (Welyab, Getachew); Abebe, M (Abebe, Mulualem); Mani, D (Mani, Dhakshnamoorthy); Thankappan, A (Thankappan, Aparna); Thomas, S (Thomas, Sabu); Aga, FG (Aga, Fekadu Gochole); Kim,

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JY (Kim, Jung Yong)

Title: All-Inorganic CsPbBr₃ Perovskite Nanocrystals Synthesized with Olive Oil and Oleylamine at Room Temperature

Source: MICROMACHINES

Volume: 14

Issue: 7

Article Number: 1332

DOI: 10.3390/mi14071332

Document Type: Article

Published: JUL 2023

eISSN: 2072-666X

Accession Number: WOS:001036530000001

PubMed ID: 37512642

Record 162 of 180

By: Chatterjee, S (Chatterjee, Shreya); Mahmood, S (Mahmood, Syed); Hilles, AR (Hilles, Ayah Rebhi); Thomas, S (Thomas, Sabu); Roy, S (Roy, Sudeep); Provaznik, V (Provaznik, Valentine); Romero, EL

(Romero, Eder Lilia); Ghosal, K (Ghosal, Kajal)

Title: Cationic starch: A functionalized polysaccharide based polymer for advancement of drug delivery and health care system-A review

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES

Volume: 248

Article Number: 125757

DOI: 10.1016/j.ijbiomac.2023.125757

Document Type: Review

Published: SEP 1 2023

ISSN: 0141-8130

eISSN: 1879-0003

Accession Number: WOS:001050452500001

PubMed ID: 37429342

Record 163 of 180

By: Kanagavalli, A (Kanagavalli, A.); Jayachitra, R (Jayachitra, R.); Thilagavathi, G (Thilagavathi, G.); Elangovan, N (Elangovan, N.); Sowrirajan, S (Sowrirajan, S.); Thomas, R (Thomas, Renjith) **Title:**

Synthesis, characterization, computational, excited state properties, wave function, and molecular docking studies of (E)-4-((2-hydroxybenzylidene) amino)N-(thiazol-2-yl) benzenesulfonamide **Source:**

JOURNAL OF THE INDIAN CHEMICAL SOCIETY

Volume: 100

Issue: 2

Article Number: 100885

DOI: 10.1016/j.jics.2023.100885

Early Access Date: JAN 2023

Document Type: Article

Published: FEB 2023

ISSN: 0019-4522

Accession Number: WOS:000926668100001

Record 164 of 180

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By: Sewnet, A (Sewnet, Agidew); Alemayehu, E (Alemayehu, Esayas); Abebe, M (Abebe, Muluaalem); Mani, D (Mani, Dhakshnamoorthy); Thomas, S (Thomas, Sabu); Lennartz, B (Lennartz, Bernd) **Title:** Hydrothermal Synthesis of Heterostructured g-C₃N₄/Ag-TiO₂ Nanocomposites for Enhanced Photocatalytic Degradation of Organic Pollutants

Source: MATERIALS

Volume: 16

Issue: 15

Article Number: 5497

DOI: 10.3390/ma16155497

Document Type: Article

Published: AUG 2023

eISSN: 1996-1944

Accession Number: WOS:001046311500001

PubMed ID: 37570204

Record 165 of 180

By: Jose, S (Jose, Sajan); Cinu, TA (Cinu, Thomas A. A.); Sebastian, R (Sebastian, Rosmy); Shoja, MH (Shoja, M. H.); Aleykutty, NA (Aleykutty, N. A.); Durazzo, A (Durazzo, Alessandra); Lucarini, M (Lucarini, Massimo); Santini, A (Santini, Antonello); Souto, EB (Souto, Eliana B. B.)

Title: Transferrin-Conjugated Docetaxel-PLGA Nanoparticles for Tumor Targeting: Influence on MCF-7 Cell Cycle (vol 11, 1905, 2019)

Source: POLYMERS

Volume: 15

Issue: 1

Article Number: 189

DOI: 10.3390/polym15010189

Document Type: Correction

Published: JAN 2023

eISSN: 2073-4360

Accession Number: WOS:000911133900001

PubMed ID: 36616599

Record 166 of 180

By: Thilagavathi, G (Thilagavathi, G.); Jayachitra, R (Jayachitra, R.); Kanagavalli, A (Kanagavalli, A.); Elangovan, N (Elangovan, N.); Sirajunnisa, A (Sirajunnisa, A.); Sowrirajan, S (Sowrirajan, S.); Thomas, R (Thomas, Renjith)

Title: Synthesis, computational, molecular docking studies and photophysical properties of (Z)-N-(pyrimidin-2-yl)-4-(thiophen-2-ylmethylene) amino benzenesulfonamide

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY

Volume: 100

Issue: 1

Article Number: 100835

DOI: 10.1016/j.jics.2022.100835

Document Type: Article

Published: JAN 2023

ISSN: 0019-4522

Accession Number: WOS:000904545000005

Record 167 of 180

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By: Daoudi, W (Daoudi, Walid); Guo, L (Guo, Lei); Azzouzi, M (Azzouzi, Mohamed); Pooventhiran, T (Pooventhiran, Thangaiyan); Boutaybi, AE (Boutaybi, Ali El); Lamghafri, S (Lamghafri, Selma); Oussaid, A (Oussaid, Adyl); El Aatiaoui, A (El Aatiaoui, Abdelmalik)

Title: Evaluation of the corrosion inhibition of mild steel by newly synthesized imidazo[1,2-a]pyridine derivatives: experimental and theoretical investigation

Source: JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY

DOI: 10.1080/01694243.2023.2175296

Early Access Date: FEB 2023

Document Type: Article; Early Access

ISSN: 0169-4243

eISSN: 1568-5616

Accession Number: WOS:000942353800001

Record 168 of 180

By: Zhila, NO (Zhila, Natalia O.); Sapozhnikova, KY (Sapozhnikova, Kristina Yu.); Berezovskaya, AV (Berezovskaya, Arina V.); Kiselev, EG (Kiselev, Evgeniy G.); Shishatskaya, EI (Shishatskaya, Ekaterina I.); Vasiliev, AD (Vasiliev, Aleksander D.); Thomas, S (Thomas, Sabu); Volova, TG (Volova, Tatiana G.) **Title:** Biosynthesis and Properties of Sulfur-Containing Polyhydroxyalkanoates (PHAs) Produced by Wild Type Strain *Cupriavidus necator* B-10646

Source: POLYMERS

Volume: 15

Issue: 4

Article Number: 1005

DOI: 10.3390/polym15041005

Document Type: Article

Published: FEB 2023

eISSN: 2073-4360

Accession Number: WOS:000940586900001

PubMed ID: 36850288

Record 169 of 180

By: Shukla, S (Shukla, Suraj); Desai, S (Desai, Siddhi); Bagchi, A (Bagchi, Ashutosh); Singh, P (Singh, Pushpendra); Joshi, M (Joshi, Madhvi); Joshi, C (Joshi, Chaitanya); Patankar, J (Patankar, Jyoti); Maheshwari, G (Maheshwari, Geeti); Rajni, E (Rajni, Ekadashi); Shah, M (Shah, Manali); Gajjar, D (Gajjar, Devarshi)

Title: Diversity and Distribution of beta-Lactamase Genes Circulating in Indian Isolates of Multidrug Resistant *Klebsiella pneumoniae*

Source: ANTIBIOTICS-BASEL

Volume: 12

Issue: 3

Article Number: 449

DOI: 10.3390/antibiotics12030449

Document Type: Article

Published: MAR 2023

ISSN: 2079-6382

Accession Number: WOS:000959418500001

PubMed ID: 36978316

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By: Shankar, VS (Shankar, Venkatesan Shiva); Purti, N (Purti, Neelam); Ramakrishnan, S (Ramakrishnan, Sivasankar); Kaviarasan, T (Kaviarasan, Thanamegam); Satyakeerthy, TR (Satyakeerthy, Thonduparambil Ravindaran); Jacob, S (Jacob, Sunil)

Title: A new hotspot of macro-litter in the Rutland Island, South Andaman, India: menace from IORC

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH

DOI: 10.1007/s11356-023-28024-8

Early Access Date: JUN 2023

Document Type: Article; Early Access

ISSN: 0944-1344

eISSN: 1614-7499

Accession Number: WOS:001011289600015

PubMed ID: 37322394

Record 171 of 180

By: Shareef, M (Shareef, M.); Prasad, E (Prasad, E.); Jhingan, A (Jhingan, A.); Saneesh, N (Saneesh, N.); Pal, S (Pal, Santanu); Vinodkumar, AM (Vinodkumar, A. M.); Golda, KS (Golda, K. S.); Kumar, M (Kumar, Mohit); Shamlath, A (Shamlath, A.); Laveen, PV (Laveen, P. V.); Visakh, AC (Visakh, A. C.); Hosamani, MM (Hosamani, M. M.); Duggi, SK (Duggi, S. K.); Devi, PS (Devi, P. Sandya); Jyothi, GN (Jyothi, G. N.); Tejaswi, A (Tejaswi, A.); Chatterjee, A (Chatterjee, A.); Sugathan, P (Sugathan, P.) **Title:** Neutron multiplicity measurement and investigation of nuclear dissipation and shell effects in $^{30}\text{Si}+^{182,184,186}\text{W}$ reactions

Source: PHYSICAL REVIEW C

Volume: 107

Issue: 5

Article Number: 054619

DOI: 10.1103/PhysRevC.107.054619

Document Type: Article

Published: MAY 30 2023

ISSN: 2469-9985

eISSN: 2469-9993

Accession Number: WOS:001049605000004

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By: Bakht, MA (Bakht, Md. Afroz); Pooventhiran, T (Pooventhiran, Thangaiyan); Thomas, R (Thomas, Renjith); Kamal, M (Kamal, Mehnaz); Din, IU (Din, Israf Ud); Rehman, NU (Rehman, Najeeb Ur); Ali, I (Ali, Imtiaz); Ajmal, N (Ajmal, Noushin); Ahsan, MJ (Ahsan, Mohamed Jawed)

Title: Synthesis and Biological Evaluation of Octahydroquinazolinones as Phospholipase A2, and Protease Inhibitors: Experimental and Theoretical Exploration

Source: MOLECULES

Volume: 28

Issue: 4

Article Number: 1944

DOI: 10.3390/molecules28041944

Document Type: Article

Published: FEB 2023

eISSN: 1420-3049

Accession Number: WOS:000939951500001

PubMed ID: 36838935

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By: Govindaraju, DT (Govindaraju, Darshan Tagadur); Chen, CH (Chen, Chih-Hao); Shalumon, KT (Shalumon, K. T.); Kao, HH (Kao, Hao-Hsi); Chen, JP (Chen, Jyh-Ping)

Title: Bioactive Nanostructured Scaffold-Based Approach for Tendon and Ligament Tissue Engineering

Source: NANOMATERIALS

Volume: 13

Issue: 12

Article Number: 1847

DOI: 10.3390/nano13121847

Document Type: Review

Published: JUN 2023

eISSN: 2079-4991

Accession Number: WOS:001017478700001

PubMed ID: 37368277

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By: Rakhi, R (Rakhi, R.); Santhosh, G (Santhosh, Geethika); Joseph, P (Joseph, Prajwel); George, K (George, Koshy); Subramanian, S (Subramanian, Smitha); Kavila, I (Kavila, Indulekha); Postma, J (Postma, J.); Duc, PA (Duc, Pierre-Alain); Cote, P (Cote, Patrick); Cortese, L (Cortese, Luca); Ghosh, SK (Ghosh, S. K.); Subramaniam, A (Subramaniam, Annapurni); Tandon, S (Tandon, Shyam); Hutchings, J (Hutchings, John); Wesley, PS (Wesley, P. Samuel); Bharadwaj, A (Bharadwaj, Aditya); Niroula, N (Niroula, Neeran)

Title: UVIT view of NGC 5291: Ongoing star formation in tidal dwarf galaxies at similar to 0.35 kpc resolution

Source: MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

Volume: 522

Issue: 1

Pages: 1196-1207

DOI: 10.1093/mnras/stad970

Document Type: Article

Published: APR 13 2023

ISSN: 0035-8711

eISSN: 1365-2966

Accession Number: WOS:000991993800072

Record 175 of 180

By: Ravikiran, YT (Ravikiran, Y. T.); Chethan, B (Chethan, B.); Prasad, V (Prasad, V.); Prakash, HGR (Prakash, H. G. Raj); Prashantkumar, M (Prashantkumar, M.); Tiwari, SK (Tiwari, Santosh K.); Thomas, S (Thomas, S.)

Title: Polypyrrole/reduced graphene oxide composite as a low-cost novel sensing material for fast-response humidity sensor

Source: MATERIALS CHEMISTRY AND PHYSICS

Volume: 303

Article Number: 127800

DOI: 10.1016/j.matchemphys.2023.127800

Early Access Date: APR 2023

Document Type: Article

Published: JUL 15 2023

ISSN: 0254-0584

eISSN: 1879-3312

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By: Sepahvand, S (Sepahvand, Sima); Kargarzadeh, H (Kargarzadeh, Hanieh); Jonoobi, M (Jonoobi, Mehdi); Ashori, A (Ashori, Alireza); Ismaeilimoghadam, S (Ismaeilimoghadam, Saeed); Varghese, RT (Varghese, Rini Thresia); Chirayl, CJ (Chirayl, Cintil Jose); Azimi, B (Azimi, Bahareh); Danti, S (Danti, Serena)

Title: Recent developments in nanocellulose-based aerogels as air filters: A review

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES

Volume: 246

Article Number: 125721

DOI: 10.1016/j.ijbiomac.2023.125721

Early Access Date: JUL 2023

Document Type: Review

Published: AUG 15 2023

ISSN: 0141-8130

eISSN: 1879-0003

Accession Number: WOS:001041722000001

PubMed ID: 37419257

Record 177 of 180

By: Nadda, AK (Nadda, Ashok Kumar); Dutta, D (Dutta, Deblina); Kumar, A (Kumar, Anuj); Sharma, K (Sharma, Kriti); Panda, PK (Panda, Pritam Kumar); Kundu, D (Kundu, Debajyoti); Yadav, D (Yadav, Deepti); Kumar, S (Kumar, Sunil); Lam, SS (Lam, Su Shiung)

Title: Chemistry of CO₂-philic materials in enzyme-based hybrid interfacial systems: Implications, strategies and applications

Source: FUEL PROCESSING TECHNOLOGY

Volume: 250

Article Number: 107905

DOI: 10.1016/j.fuproc.2023.107905

Early Access Date: JUN 2023

Document Type: Article

Published: NOV 2023

ISSN: 0378-3820

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Accession Number: WOS:001027628200001

Record 178 of 180

By: Athal, I (Athal, I.); Haewon, B (Haewon, Byeon); Sasikala, A (Sasikala, A.); Reddy, BN (Reddy, B. Narsimha); Govindan, V (Govindan, Vedyappan); Maddileti, P (Maddileti, P.); Saritha, K (Saritha, K.); Reddy, BS (Reddy, B. Shashidar); Rajakumari, S (Rajakumari, S.); Tawade, JV (Tawade, Jagadish V.); Tamam, N (Tamam, Nissren); Abdullaeva, BS (Abdullaeva, Barno Sayfutdinovna); Chohan, J (Chohan, Jasgurpreetsingh); Mishra, R (Mishra, Raghawendra)

Title: Combined impact of radiation and chemical reaction on MHD hyperbolic tangent nanofluid boundary layer flow past a stretching sheet

Source: MODERN PHYSICS LETTERS B

Article Number: 2341010

DOI: 10.1142/S0217984923410105

Document Type: Article

Published: AUG 23 2023

ISSN: 0217-9849

eISSN: 1793-6640

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