

Jayeeta Bhaumik

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,665
citations

279798

23
h-index

345221

36
g-index

37
all docs

37
docs citations

37
times ranked

2441
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of silver nanoparticles: Elucidation of prospective mechanism and therapeutic potential. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 39-47.	9.4	272
2	Imidazole metalloporphyrins as photosensitizers for photodynamic therapy: Role of molecular charge, central metal and hydroxyl radical production. <i>Cancer Letters</i> , 2009, 282, 63-76.	7.2	114
3	Quantum dot/antibody conjugates for in vivo cytometric imaging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1350-1355.	7.1	109
4	Applications of phototheranostic nanoagents in photodynamic therapy. <i>Nano Research</i> , 2015, 8, 1373-1394.	10.4	94
5	Photophysical characterization of imidazolium-substituted Pd(II), In(III), and Zn(II) porphyrins as photosensitizers for photodynamic therapy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 346-355.	3.9	91
6	Bioinspired Nanotheranostic Agents: Synthesis, Surface Functionalization, and Antioxidant Potential. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 382-392.	5.2	76
7	Promiscuity of Lipase-catalyzed Reactions for Organic Synthesis: A Recent Update. <i>ChemistrySelect</i> , 2018, 3, 2441-2466.	1.5	71
8	Targeted nanoagents for the detection of cancers. <i>Molecular Oncology</i> , 2010, 4, 511-528.	4.6	70
9	Development of agri-biomass based lignin derived zinc oxide nanocomposites as promising UV protectant-cum-antimicrobial agents. <i>Journal of Materials Chemistry B</i> , 2020, 8, 260-269.	5.8	67
10	Development of Gold-Based Phototheranostic Nanoagents through a Bioinspired Route and Their Applications in Photodynamic Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7950-7960.	6.7	61
11	Lignin-Bimetallic Nanoconjugate Doped pH-Responsive Hydrogels for Laser-Assisted Antimicrobial Photodynamic Therapy. <i>Biomacromolecules</i> , 2020, 21, 3216-3230.	5.4	61
12	Development of nanobiocatalysts through the immobilization of <i>Pseudomonas fluorescens</i> lipase for applications in efficient kinetic resolution of racemic compounds. <i>Bioresource Technology</i> , 2017, 239, 464-471.	9.6	51
13	Masked Imidazolyl-Dipyrromethanes in the Synthesis of Imidazole-Substituted Porphyrins. <i>Journal of Organic Chemistry</i> , 2006, 71, 8807-8817.	3.2	50
14	Engineering Lignin Stabilized Bimetallic Nanocomplexes: Structure, Mechanistic Elucidation, Antioxidant, and Antimicrobial Potential. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3212-3227.	5.2	48
15	Lipase-catalyzed green synthesis of enantiopure atenolol. <i>RSC Advances</i> , 2015, 5, 15850-15860.	3.6	38
16	Synthesis and Photophysical Properties of Sulfonamidophenyl Porphyrins as Models for Activatable Photosensitizers. <i>Journal of Organic Chemistry</i> , 2009, 74, 5894-5901.	3.2	37
17	High-yielding syntheses of hydrophilic conjugatable chlorins and bacteriochlorins. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3430.	2.8	37
18	Sustainable Lignin-Based Coatings Doped with Titanium Dioxide Nanocomposites Exhibit Synergistic Microbicidal and UV-Blocking Performance toward Personal Protective Equipment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11223-11237.	6.7	36

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19	Development of Gelatin Nanoparticle-Based Biodegradable Phototheranostic Agents: Advanced System to Treat Infectious Diseases. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 473-482.	5.2	31
20	Lignin-based metal oxide nanocomposites for UV protection applications: A review. <i>Journal of Cleaner Production</i> , 2021, 317, 128300.	9.3	30
21	Rational Routes to Formyl-Substituted Chlorins. <i>Journal of Organic Chemistry</i> , 2007, 72, 5839-5842.	3.2	27
22	Development of a light activatable lignin nanosphere based spray coating for bioimaging and antimicrobial photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1592-1603.	5.8	27
23	Regioselective I^2 -pyrrolic electrophilic substitution of hydrodipyrriinâ€“dialkylboron complexes facilitates access to synthetic models for chlorophyll f. <i>New Journal of Chemistry</i> , 2014, 38, 1717.	2.8	25
24	Bioinspired nanophotosensitizers: synthesis and characterization of porphyrinâ€“noble metal nanoparticle conjugates. <i>New Journal of Chemistry</i> , 2016, 40, 724-731.	2.8	25
25	Co-administration of zinc phthalocyanine and quercetin via hybrid nanoparticles for augmented photodynamic therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 33, 102368.	3.3	24
26	Light-assisted anticancer photodynamic therapy using porphyrin-doped nanoencapsulates. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 220, 112209.	3.8	17
27	Harnessing the Photocatalytic Potential of Polypyrroles in Water through Nanointervention: Synthesis and Photophysical Evaluation of Biodegradable Polypyrrolic Nanoencapsulates. <i>ChemNanoMat</i> , 2020, 6, 239-247.	2.8	13
28	Biocatalytic Approach for the Synthesis of Enantiopure Acebutolol as a I^2 -selective Blocker. <i>Chirality</i> , 2015, 27, 382-391.	2.6	12
29	Lignin-Based CdS Dots as Multifunctional Platforms for Sensing and Wearable Photodynamic Coatings. <i>ACS Applied Nano Materials</i> , 2022, 5, 2748-2761.	5.0	12
30	Chemoenzymatic Route for the Synthesis of (<i>S</i>)-Moprolol, a Potential I^2 -Blocker. <i>Chirality</i> , 2016, 28, 313-318.	2.6	9
31	Lignin-Derived Hybrid Materials as Promising Adsorbents for the Separation of Pollutants. <i>ACS Symposium Series</i> , 2020, , 225-261.	0.5	7
32	Synthesis and Applications of Lignin-Derived Hydrogels. <i>Springer Series on Polymer and Composite Materials</i> , 2020, , 231-252.	0.7	6
33	In silico approach towards lipase mediated chemoenzymatic synthesis of (<i>S</i>)-ranolazine, as an anti-anginal drug. <i>RSC Advances</i> , 2016, 6, 49150-49157.	3.6	5
34	Synthesis of Enantiopure Drugs and Drug Intermediates Using <i>In Silico</i> Generated Archetype Biocatalyst: A Case Study Using Alprenolol as a Model Drug. <i>ChemistrySelect</i> , 2016, 1, 871-876.	1.5	5
35	Insights on the polypyrrole based nanoformulations for photodynamic therapy. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 605-622.	0.8	4
36	Theranostic Nanoconjugates of Tetrapyrrolic Macrocycles and Their Applications in Photodynamic Therapy. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 509-524.	0.4	3