

Amrita Sarkar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/442866/publications.pdf>

Version: 2024-02-01

64
papers

1,370
citations

430874

18
h-index

361022

35
g-index

67
all docs

67
docs citations

67
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. <i>Nature Nanotechnology</i> , 2018, 13, 456-462.	31.5	252
2	Guidance and Ethical Considerations for Undertaking Transgender Health Research and Institutional Review Boards Adjudicating this Research. <i>Transgender Health</i> , 2017, 2, 165-175.	2.5	137
3	<i>Bifidobacteria</i> —Insight into clinical outcomes and mechanisms of its probiotic action. <i>Microbiological Research</i> , 2016, 192, 159-171.	5.3	124
4	Sustainable thermoplastic elastomers derived from plant oil and their “click-coupling” via TAD chemistry. <i>Green Chemistry</i> , 2015, 17, 3806-3818.	9.0	79
5	Colorimetric detection of fluoride ions by anthraimidazoledione based sensors in the presence of Cu(II) ions. <i>Dalton Transactions</i> , 2016, 45, 1166-1175.	3.3	57
6	HMGCS2 is a key ketogenic enzyme potentially involved in type 1 diabetes with high cardiovascular risk. <i>Scientific Reports</i> , 2017, 7, 4590.	3.3	47
7	Matrix-Free Polymer Nanocomposite Thermoplastic Elastomers. <i>Macromolecules</i> , 2017, 50, 4742-4753.	4.8	40
8	Multi-action Pt(IV) Carbamate Complexes Can Co-deliver Pt(II) Drugs and Amine Containing Bioactive Molecules. <i>Inorganic Chemistry</i> , 2020, 59, 5182-5193.	4.0	37
9	Inexpensive and fast pathogenic bacteria screening using field-effect transistors. <i>Biosensors and Bioelectronics</i> , 2016, 85, 103-109.	10.1	33
10	Copper(II) complex of methionine conjugated bis-pyrazole based ligand promotes dual pathway for DNA cleavage. <i>Dalton Transactions</i> , 2013, 42, 11709.	3.3	29
11	How to make persistent micelle templates in 24 hours and know it using X-ray scattering. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11840-11853.	10.3	26
12	A hydroquinone based palladium catalyst for room temperature nitro reduction in water. <i>RSC Advances</i> , 2014, 4, 35233-35237.	3.6	22
13	Joint Surface-Active Phospholipid-Mimetic Liposomes for Intra-Articular Delivery of Paclitaxel. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1225-1235.	1.1	22
14	A sustainable approach to cathode delamination using a green solvent. <i>RSC Advances</i> , 2021, 11, 27356-27368.	3.6	22
15	Synthesis and spectroscopic investigation of a novel solvatochromic dye. <i>Journal of Luminescence</i> , 2011, 131, 1731-1738.	3.1	19
16	Hydrogen-Bonding-Directed Ordered Assembly of Carboxylated Poly(3-Alkylthiophene)s. <i>ACS Omega</i> , 2017, 2, 8526-8535.	3.5	19
17	Continuous Flow Perfused Cadaver Model for Endovascular Training, Research, and Development. <i>Annals of Vascular Surgery</i> , 2018, 48, 174-181.	0.9	19
18	Widely tunable persistent micelle templates via homopolymer swelling. <i>Soft Matter</i> , 2019, 15, 5193-5203.	2.7	19

#	ARTICLE	IF	CITATIONS
19	Recovery and Reuse of Composite Cathode Binder in Lithium Ion Batteries. <i>ChemistryOpen</i> , 2021, 10, 545-552.	1.9	19
20	Multi-Scale Assembly of Polythiophene-Surfactant Supramolecular Complexes for Charge Transport Anisotropy. <i>Macromolecules</i> , 2017, 50, 1047-1055.	4.8	18
21	Expanded Kinetic Control for Persistent Micelle Templates with Solvent Selection. <i>Langmuir</i> , 2018, 34, 5738-5749.	3.5	18
22	Effect of glucosamine conjugation to zinc(II) complexes of a bis-pyrazole ligand: Syntheses, characterization and anticancer activity. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 131-142.	3.5	17
23	Evaluation of cytotoxicity of a purified venom protein from <i>Naja kaouthia</i> (NKCT1) using gold nanoparticles for targeted delivery to cancer cell. <i>Chemico-Biological Interactions</i> , 2017, 261, 35-49.	4.0	17
24	Cytotoxic Ru ^{II} - <i>p</i> -cymene complexes of an anthraimidazoledione: halide dependent solution stability, reactivity and resistance to hypoxia deactivation. <i>Dalton Transactions</i> , 2019, 48, 7187-7197.	3.3	17
25	Photophysics of representative ketocyanine dyes: Dependence on molecular structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 79-84.	3.9	15
26	Deciphering magnesium stearate thermotropic behavior. <i>International Journal of Pharmaceutics</i> , 2018, 548, 314-324.	5.2	15
27	Full Gamut Wall Tunability from Persistent Micelle Templates via Ex Situ Hydrolysis. <i>Small</i> , 2019, 15, e1900393.	10.0	15
28	Acid digestion of carbonates using break seal method for clumped isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 203-214.	1.5	15
29	Surface-initiated reversible addition-fragmentation chain transfer polymerization of chloroprene and mechanical properties of matrix-free polychloroprene nanocomposites. <i>Polymer</i> , 2018, 135, 193-199.	3.8	14
30	Structure and properties of metal complexes of a pyridine based oxazolidinone synthesized by atmospheric CO ₂ fixation. <i>New Journal of Chemistry</i> , 2014, 38, 817-826.	2.8	13
31	Chemical Synthesis of Silk-Mimetic Polymers. <i>Materials</i> , 2019, 12, 4086.	2.9	13
32	Anti arthritic activity of aqueous extract of Indian black tea in experimental and clinical study. <i>Oriental Pharmacy and Experimental Medicine</i> , 2012, 12, 265-271.	1.2	11
33	Ketocyanine dyes as sensors for proticity and pH of a medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 569-575.	3.9	11
34	Cavitation Enables Switchable and Rapid Block Polymer Exchange under High- $\dot{\gamma}$ N Conditions. <i>Macromolecules</i> , 2018, 51, 6967-6975.	4.8	10
35	Nitric oxide release by N-(2-chloroethyl)-N-nitrosoureas: a rarely discussed mechanistic path towards their anticancer activity. <i>RSC Advances</i> , 2015, 5, 2137-2146.	3.6	9
36	Robust porous polymers enabled by a fast trifluoroacetic acid etch with improved selectivity for polylactide. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1526-1533.	5.9	9

#	ARTICLE	IF	CITATIONS
37	Ordered Nanostructures of Carbon Nanotube-Polymer Composites from Lyotropic Liquid Crystal Templating. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800197.	2.2	9
38	Anti-rheumatoid and anti-oxidant activity of homeopathic <i>Guaiacum officinale</i> in an animal model. <i>Homeopathy</i> , 2014, 103, 133-138.	1.0	8
39	Feature selection in accident data: an analysis of its application in classification algorithms. <i>International Journal of Data Analysis Techniques and Strategies</i> , 2016, 8, 108.	0.2	8
40	Cerebral microbleeds in a neonatal rat model. <i>PLoS ONE</i> , 2017, 12, e0171163.	2.5	8
41	Rapid Synthesis of Silk-Like Polymers Facilitated by Microwave Irradiation and Click Chemistry. <i>Biomacromolecules</i> , 2021, 22, 95-105.	5.4	8
42	Black tea (<i>Camellia sinensis</i>) extract as an immunomodulator against immunocompetent and immunodeficient experimental rodents. <i>Oriental Pharmacy and Experimental Medicine</i> , 2014, 14, 37-45.	1.2	7
43	Intracellular iron availability modulates the requirement for <i>Leishmania</i> Iron Regulator 1 (LIR1) during macrophage infections. <i>International Journal for Parasitology</i> , 2019, 49, 423-427.	3.1	7
44	Chalcolithic and modern potting at Gilund, Rajasthan: a cautionary tale. <i>Antiquity</i> , 2011, 85, 994-1007.	1.0	6
45	Photophysics of two structurally similar dyes containing substituted amino as donor and carbonyl as acceptor groups. <i>Journal of Luminescence</i> , 2012, 132, 2345-2354.	3.1	6
46	Predictive Effect of Frailty on Amputation, Mortality, and Ambulation in Patients Undergoing Revascularization for Acute Limb Ischemia. <i>Annals of Vascular Surgery</i> , 2021, 73, 273-279.	0.9	6
47	Probing aggregation and encapsulation behaviour of structurally akin ketocyanine dyes in aqueous media containing β -cyclodextrin: A spectroscopic analysis. <i>Journal of Molecular Liquids</i> , 2014, 195, 259-266.	4.9	5
48	Quantification of Intracellular Growth Inside Macrophages is a Fast and Reliable Method for Assessing the Virulence of <i>Leishmania</i> Parasites. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	5
49	Accident prediction models for urban roads. <i>International Journal of Vehicle Safety</i> , 2012, 6, 149.	0.2	4
50	An electronic spectroscopic study of micellisation of surfactants and solvation of homomichelles formed by cationic or anionic surfactants using a solvatochromic electron donor acceptor dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 398-406.	3.9	4
51	Effect of a combination of duloxetine with hydroxyzine on experimental models of anxiety in mice. <i>Indian Journal of Pharmacology</i> , 2015, 47, 173.	0.7	4
52	Electronic spectra and hyperpolarizabilities of structurally similar donor-acceptor dyes. A density functional theory analysis. <i>Journal of Molecular Structure</i> , 2015, 1102, 11-17.	3.6	4
53	UV-Vis spectral investigation of photophysical properties of a solvatochromic electron donor/acceptor dye within a reverse micelle domain. <i>Chemical Physics Letters</i> , 2014, 592, 138-143.	2.6	3
54	Molecular network, pathway, and functional analysis of time-dependent gene changes related to cathepsin G exposure in neonatal rat cardiomyocytes. <i>Gene</i> , 2018, 671, 58-66.	2.2	3

#	ARTICLE	IF	CITATIONS
55	A novel water soluble solvatochromic probe as a micropolarity reporter for homogeneous and microheterogeneous media. <i>Journal of Luminescence</i> , 2014, 151, 111-122.	3.1	2
56	Bowel and Bladder Anxiety: An Obsession or a Variant of Agoraphobia?. <i>Indian Journal of Psychological Medicine</i> , 2018, 40, 263-265.	1.5	2
57	Compliance to Antihypertensive Therapy and its Predictors: A Cross-sectional Study in Western Coastal Region of India. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 0, , .	0.8	1
58	A Direct Comparison of Physical Versus Dihydrocapsaicin-Induced Hypothermia in a Rat Model of Traumatic Spinal Cord Injury. <i>Therapeutic Hypothermia and Temperature Management</i> , 2022, 12, 90-102.	0.9	1
59	An llâ€œlumenâ€œating look at ryanodine receptor modulation by disruption in triadin and calsequestrin interactions in cardiac myocytes. <i>Journal of Physiology</i> , 2008, 586, 697-699.	2.9	0
60	Spectroscopic study on encapsulation of two structurally similar donorâ€œacceptor dyes in model cyclodextrin nanocavity. <i>Journal of Molecular Structure</i> , 2014, 1068, 228-236.	3.6	0
61	Apoptosis Induced by a Purified Fraction (VB-P4) of the Fresh Water Snail Viviparous bengalensis Flesh Extract on Osteoarthritic Fibroblast like Synoviocyte Cells. <i>Letters in Drug Design and Discovery</i> , 2016, 13, 638-645.	0.7	0
62	A Case of Undiagnosed Diabetes Mellitus with Alcohol Dependence Presenting as Epilepsia Partialis Continua. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 0, , .	0.8	0
63	Why do Patients undergoing Chronic Obstructive Pulmonary Disease Treatment Turn Defaulters? A Follow-up Study in a Tertiary Care Hospital in Jamnagar, India. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2017, 11, LC04-LC06.	0.8	0
64	The Challenges in Eradication of Measles and its Re-emergence in North-Eastern Indian state of Meghalaya. <i>Journal of Communicable Diseases</i> , 2017, 49, 61-66.	0.1	0