

# Amrita Sarkar

## List of Publications by Year in descending order

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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	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
2	Rapid Synthesis of Silk-Like Polymers Facilitated by Microwave Irradiation and Click Chemistry. <i>Biomacromolecules</i> , 2021, 22, 95-105.	5.4	8
3	Recovery and Reuse of Composite Cathode Binder in Lithium Ion Batteries. <i>ChemistryOpen</i> , 2021, 10, 545-552.	1.9	19
4	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
5	A sustainable approach to cathode delamination using a green solvent. <i>RSC Advances</i> , 2021, 11, 27356-27368.	3.6	22
6	Multiaction Pt(IV) Carbamate Complexes Can Codeliver Pt(II) Drugs and Amine Containing Bioactive Molecules. <i>Inorganic Chemistry</i> , 2020, 59, 5182-5193.	4.0	37
7	Widely tunable persistent micelle templates via homopolymer swelling. <i>Soft Matter</i> , 2019, 15, 5193-5203.	2.7	19
8	Cytotoxic Ru <sup>II</sup> -p-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
9	Full Gamut Wall Tunability from Persistent Micelle Templates via Ex Situ Hydrolysis. <i>Small</i> , 2019, 15, e1900393.	10.0	15
10	Intracellular iron availability modulates the requirement for Leishmania Iron Regulator 1 (LIR1) during macrophage infections. <i>International Journal for Parasitology</i> , 2019, 49, 423-427.	3.1	7
11	Chemical Synthesis of Silk-Mimetic Polymers. <i>Materials</i> , 2019, 12, 4086.	2.9	13
12	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
13	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. <i>Nature Nanotechnology</i> , 2018, 13, 456-462.	31.5	252
14	Continuous Flow Perfused Cadaver Model for Endovascular Training, Research, and Development. <i>Annals of Vascular Surgery</i> , 2018, 48, 174-181.	0.9	19
15	Expanded Kinetic Control for Persistent Micelle Templates with Solvent Selection. <i>Langmuir</i> , 2018, 34, 5738-5749.	3.5	18
16	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
17	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
18	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

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19	Cavitation Enables Switchable and Rapid Block Polymer Exchange under High- $\dot{\gamma}$ N Conditions. <i>Macromolecules</i> , 2018, 51, 6967-6975.	4.8	10
20	Ordered Nanostructures of Carbon Nanotube-Polymer Composites from Lyotropic Liquid Crystal Templating. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800197.	2.2	9
21	Deciphering magnesium stearate thermotropic behavior. <i>International Journal of Pharmaceutics</i> , 2018, 548, 314-324.	5.2	15
22	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
23	Multi-Scale Assembly of Polythiophene-Surfactant Supramolecular Complexes for Charge Transport Anisotropy. <i>Macromolecules</i> , 2017, 50, 1047-1055.	4.8	18
24	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
25	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
26	Matrix-Free Polymer Nanocomposite Thermoplastic Elastomers. <i>Macromolecules</i> , 2017, 50, 4742-4753.	4.8	40
27	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
28	Hydrogen-Bonding-Directed Ordered Assembly of Carboxylated Poly(3-Alkylthiophene)s. <i>ACS Omega</i> , 2017, 2, 8526-8535.	3.5	19
29	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
30	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
31	Cerebral microbleeds in a neonatal rat model. <i>PLoS ONE</i> , 2017, 12, e0171163.	2.5	8
32	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
33	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
34	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
35	Inexpensive and fast pathogenic bacteria screening using field-effect transistors. <i>Biosensors and Bioelectronics</i> , 2016, 85, 103-109.	10.1	33
36	<i>Bifidobacteria</i> —Insight into clinical outcomes and mechanisms of its probiotic action. <i>Microbiological Research</i> , 2016, 192, 159-171.	5.3	124

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37	Colorimetric detection of fluoride ions by anthraimidazoledione based sensors in the presence of Cu(II) ions. Dalton Transactions, 2016, 45, 1166-1175.	3.3	57
38	Apoptosis Induced by a Purified Fraction (VB-P4) of the Fresh Water Snail Viviparous bengalensis Flesh Extract on Osteoarthritic Fibroblast like Synoviocyte Cells. Letters in Drug Design and Discovery, 2016, 13, 638-645.	0.7	0
39	Joint Surface-Active Phospholipid-Mimetic Liposomes for Intra-Articular Delivery of Paclitaxel. Journal of Biomedical Nanotechnology, 2015, 11, 1225-1235.	1.1	22
40	Nitric oxide release by N-(2-chloroethyl)-N-nitrosoureas: a rarely discussed mechanistic path towards their anticancer activity. RSC Advances, 2015, 5, 2137-2146.	3.6	9
41	Effect of a combination of duloxetine with hydroxyzine on experimental models of anxiety in mice. Indian Journal of Pharmacology, 2015, 47, 173.	0.7	4
42	Sustainable thermoplastic elastomers derived from plant oil and their click-coupling via TAD chemistry. Green Chemistry, 2015, 17, 3806-3818.	9.0	79
43	Electronic spectra and hyperpolarizabilities of structurally similar donor-acceptor dyes. A density functional theory analysis. Journal of Molecular Structure, 2015, 1102, 11-17.	3.6	4
44	A hydroquinone based palladium catalyst for room temperature nitro reduction in water. RSC Advances, 2014, 4, 35233-35237.	3.6	22
45	A novel water soluble solvatochromic probe as a micropolarity reporter for homogeneous and microheterogeneous media. Journal of Luminescence, 2014, 151, 111-122.	3.1	2
46	An electronic spectroscopic study of micellisation of surfactants and solvation of homomices formed by cationic or anionic surfactants using a solvatochromic electron donor acceptor dye. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 398-406.	3.9	4
47	Black tea (Camellia sinensis) extract as an immunomodulator against immunocompetent and immunodeficient experimental rodents. Oriental Pharmacy and Experimental Medicine, 2014, 14, 37-45.	1.2	7
48	Spectroscopic study on encapsulation of two structurally similar donor-acceptor dyes in model cyclodextrin nanocavity. Journal of Molecular Structure, 2014, 1068, 228-236.	3.6	0
49	Structure and properties of metal complexes of a pyridine based oxazolidinone synthesized by atmospheric CO <sub>2</sub> fixation. New Journal of Chemistry, 2014, 38, 817-826.	2.8	13
50	Effect of glucosamine conjugation to zinc(II) complexes of a bis-pyrazole ligand: Syntheses, characterization and anticancer activity. Journal of Inorganic Biochemistry, 2014, 140, 131-142.	3.5	17
51	Anti-rheumatoid and anti-oxidant activity of homeopathic Guaiacum officinale in an animal model. Homeopathy, 2014, 103, 133-138.	1.0	8
52	Probing aggregation and encapsulation behaviour of structurally akin ketocyanine dyes in aqueous media containing $\beta$ -cyclodextrin: A spectroscopic analysis. Journal of Molecular Liquids, 2014, 195, 259-266.	4.9	5
53	UV-Vis spectral investigation of photophysical properties of a solvatochromic electron donor/acceptor dye within a reverse micelle domain. Chemical Physics Letters, 2014, 592, 138-143.	2.6	3
54	Copper(II) complex of methionine conjugated bis-pyrazole based ligand promotes dual pathway for DNA cleavage. Dalton Transactions, 2013, 42, 11709.	3.3	29

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55	Accident prediction models for urban roads. <i>International Journal of Vehicle Safety</i> , 2012, 6, 149.	0.2	4
56	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
57	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
58	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
59	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
60	Synthesis and spectroscopic investigation of a novel solvatochromic dye. <i>Journal of Luminescence</i> , 2011, 131, 1731-1738.	3.1	19
61	Chalcolithic and modern potting at Gilund, Rajasthan: a cautionary tale. <i>Antiquity</i> , 2011, 85, 994-1007.	1.0	6
62	An llâ€lumenâ€ating 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
63	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
64	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