

Santanu Paria

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	6,208 citations	29 h-index	64 g-index
64 ext. papers	6,847 ext. citations	6.8 avg, IF	6.71 L-index

#	Paper	IF	Citations
62	Effect of Electrolytes on Solution and Interfacial Behaviors of Double Chain Cationic-Nonionic Surfactant Mixtures for Hydrophobic Surface Wetting and Oil/Water Emulsion Stability Applications. <i>Langmuir</i> , 2021 , 37, 10560-10572	4	4
61	Clay-supported anisotropic Au-modified N,S-doped TiO ₂ nanoparticles for enhanced photocatalytic dye degradation and esterification reactions. <i>New Journal of Chemistry</i> , 2020 , 44, 2619-2629	3.6	11
60	Fractal pattern mediated superhydrophobic glass and metallic surfaces using PTFE particles: a generalized simple approach. <i>New Journal of Chemistry</i> , 2019 , 43, 8075-8084	3.6	2
59	Natural Surfactants-Based Ag Nanofluids for Enhanced Wettability on Hair Surface. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3615-3623	8.3	8
58	Green Synthesis of Single-Crystalline Akaganeite Nanorods for Peroxidase Mimic Colorimetric Sensing of Ultralow-Level Vitamin B1 and Sulfide Ions. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1236-1246	5.6	22
57	Organization of Palladium Nanoparticles into Fractal Patterns for Highly Enhanced Catalytic Activity and Anode Material for Direct Borohydride Fuel Cells Applications. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2164-2175	6.1	5
56	Noble metals decorated hierarchical maghemite magnetic tubes as an efficient recyclable catalyst. <i>Journal of Colloid and Interface Science</i> , 2018 , 511, 463-473	9.3	7
55	Visible light-induced Ag nanoparticle deposited urchin-like structures for enhanced SERS application. <i>Nanoscale</i> , 2018 , 10, 12970-12974	7.7	8
54	Microwave-assisted one-pot synthesis of anisotropic gold nanoparticles with active high-energy facets for enhanced catalytic and metal enhanced fluorescence activities. <i>CrystEngComm</i> , 2018 , 20, 4297-4304	7.3	7
53	Organization of SiO ₂ and TiO ₂ Nanoparticles into Fractal Patterns on Glass Surface for the Generation of Superhydrophilicity. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2428-2436	3.8	19
52	An Au/AgBr-Ag heterostructure plasmonic photocatalyst with enhanced catalytic activity under visible light. <i>Dalton Transactions</i> , 2017 , 46, 890-898	4.3	14
51	Phytochemicals mediated synthesis of multifunctional Ag-Au-TiO ₂ heterostructure for photocatalytic and antimicrobial applications. <i>Journal of Cleaner Production</i> , 2017 , 165, 360-368	10.3	20
50	Carbon-Doped Mesoporous Anatase TiO ₂ Multi-Tubes Nanostructures for Highly Improved Visible Light Photocatalytic Activity. <i>Inorganic Chemistry</i> , 2017 , 56, 10107-10116	5.1	29
49	A promising technique of Aegle marmelos leaf extract mediated self-assembly for silver nanoprism formation. <i>AIChE Journal</i> , 2017 , 63, 3670-3680	3.6	2
48	Au and Ag/Au double-shells hollow nanoparticles with improved near infrared surface plasmon and photoluminescence properties. <i>Journal of Colloid and Interface Science</i> , 2016 , 461, 15-19	9.3	13
47	Anti-Malassezia furfur activity of natural surfactant mediated in situ silver nanoparticles for a better antidandruff shampoo formulation. <i>RSC Advances</i> , 2016 , 6, 11064-11069	3.7	12
46	Ag doped hollow TiO ₂ nanoparticles as an effective green fungicide against Fusarium solani and Venturia inaequalis phytopathogens. <i>Nanotechnology</i> , 2016 , 27, 085103	3.4	65

45	A simple turn on fluorescent sensor for the selective detection of thiamine using coconut water derived luminescent carbon dots. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 467-75	11.8	132
44	Fluorometric selective detection of fluoride ions in aqueous media using Ag doped CdS/ZnS core/shell nanoparticles. <i>Dalton Transactions</i> , 2016 , 45, 811-9	4.3	19
43	Mixed Phytochemicals Mediated Synthesis of Multifunctional Ag-Au-Pd Nanoparticles for Glucose Oxidation and Antimicrobial Applications. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14018-25	9.5	41
42	Adsorption enhancement of methylene blue dye at kaolinite clay/water interface influenced by electrolyte solutions. <i>RSC Advances</i> , 2015 , 5, 30654-30659	3.7	31
41	Visible light induced enhanced photocatalytic degradation of organic pollutants in aqueous media using Ag doped hollow TiO ₂ nanospheres. <i>RSC Advances</i> , 2015 , 5, 37657-37668	3.7	71
40	Yolk/shell nanoparticles: classifications, synthesis, properties, and applications. <i>Nanoscale</i> , 2015 , 7, 19789-873	214	
39	Fluorometric sensing of ultralow As(III) concentrations using Ag doped hollow CdS/ZnS bi-layer nanoparticles. <i>Dalton Transactions</i> , 2015 , 44, 20464-74	4.3	11
38	Aegle marmelos Leaf Extract and Plant Surfactants Mediated Green Synthesis of Au and Ag Nanoparticles by Optimizing Process Parameters Using Taguchi Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 483-491	8.3	66
37	Core/shell nanoparticles in biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014 , 209, 8-39	14.3	327
36	Visible light induced photocatalytic activity of sulfur doped hollow TiO ₂ nanoparticles, synthesized via a novel route. <i>Dalton Transactions</i> , 2014 , 43, 5526-34	4.3	77
35	Green synthesis of gold nanoparticles using aqueous Aegle marmelos leaf extract and their application for thiamine detection. <i>RSC Advances</i> , 2014 , 4, 28645	3.7	35
34	Effect of silver doping on TiO ₂ , CdS, and ZnS nanoparticles for the photocatalytic degradation of metronidazole under visible light. <i>RSC Advances</i> , 2014 , 4, 37752	3.7	58
33	Effect of electrolytes on wettability of glass surface using anionic and cationic surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2014 , 413, 24-30	9.3	27
32	Self-assembly of colloidal sulfur particles on a glass surface from evaporating sessile drops: influence of different salts. <i>New Journal of Chemistry</i> , 2014 , 38, 5943-5951	3.6	26
31	Interfacial and wetting behavior of natural/synthetic mixed surfactant systems. <i>RSC Advances</i> , 2014 , 4, 9182	3.7	21
30	The wettability of PTFE and glass surfaces by nanofluids. <i>Journal of Colloid and Interface Science</i> , 2014 , 434, 141-51	9.3	41
29	Naphthalene degradation in the presence of natural/synthetic surfactants mixture by mixed bacterial cultures. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 826-831	6.8	11
28	Optical Properties of Double-Shell Hollow ZnS/Ag ₂ S Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23385-23390	3.8	30

27 Gold-Based Core/Shell and Hollow Nanoparticles **2013**, 1

26	Green synthesis of silver nanoparticles from aqueous Aegle marmelos leaf extract. <i>Materials Research Bulletin</i> , 2013 , 48, 628-634	5.1	77
25	Use of sulfur nanoparticles as a green pesticide on <i>Fusarium solani</i> and <i>Venturia inaequalis</i> phytopathogens. <i>RSC Advances</i> , 2013 , 3, 10471	3.7	96
24	A novel method for the templated synthesis of Ag ₂ S hollow nanospheres in aqueous surfactant media. <i>Journal of Colloid and Interface Science</i> , 2012 , 369, 117-22	9.3	21
23	Self-assembly of colloidal sulfur particles influenced by sodium oxalate salt on glass surface from evaporating drops. <i>Soft Matter</i> , 2012 , 8, 3771	3.6	17
22	Wettability of a PTFE surface by cationic/non-ionic surfactant mixtures in the presence of electrolytes. <i>Soft Matter</i> , 2012 , 8, 5429	3.6	37
21	Wetting of PTFE and Glass Surfaces by Aqueous Solutions of Cationic and Anionic Double-Chain Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 10172-10178	3.9	29
20	Core/shell nanoparticles: classes, properties, synthesis mechanisms, characterization, and applications. <i>Chemical Reviews</i> , 2012 , 112, 2373-433	68.1	2528
19	Wetting of TX-100 and Igepal CO-630 Surfactants on a PTFE Surface. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 6138-6145	3.9	27
18	Growth Kinetics of Silver Bromide Nanoparticles in Aqueous Nonionic Surfactant Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 11601-11607	3.9	10
17	Growth kinetics of sulfur nanoparticles in aqueous surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 563-9	9.3	40
16	Effect of Electrolyte Solutions on the Adsorption of Surfactants at PTFE/Water Interface. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 7060-7067	3.9	17
15	Rheological Behavior of Pyrophyllite/Water Slurry in the Presence of Anionic, Cationic, and Nonionic Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 5400-5406	3.9	20
14	Synthesis of sulfur nanoparticles in aqueous surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 439-46	9.3	105
13	Dynamic contact angles on PTFE surface by aqueous surfactant solution in the absence and presence of electrolytes. <i>Journal of Colloid and Interface Science</i> , 2009 , 337, 555-62	9.3	71
12	Solubilization of naphthalene in the presence of plant-synthetic mixed surfactant systems. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 474-81	3.4	54
11	Surfactant-enhanced remediation of organic contaminated soil and water. <i>Advances in Colloid and Interface Science</i> , 2008 , 138, 24-58	14.3	346
10	Adsorption of Non-ionic Surfactants onto Sand and Its Importance in Naphthalene Removal. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 108-113	3.9	18

9	Solidification/stabilization of organic and inorganic contaminants using portland cement: a literature review. <i>Environmental Reviews</i> , 2006 , 14, 217-255	4.5	209
8	Solubilization of Naphthalene by Pure and Mixed Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3552-3558	3.9	58
7	Effects of Chain Length and Electrolyte on the Adsorption of n-Alkylpyridinium Bromide Surfactants at Sand/Water Interfaces. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 712-718	3.9	28
6	The mixing behavior of n-alkylpyridinium bromide/NP-9 mixed surfactant systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 281, 113-118	5.1	21
5	Kinetics of Adsorption of Anionic, Cationic, and Nonionic Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 3091-3098	3.9	42
4	Adsorption of anionic and non-ionic surfactants on a cellulosic surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 252, 221-229	5.1	73
3	A review on experimental studies of surfactant adsorption at the hydrophilic solid-water interface. <i>Advances in Colloid and Interface Science</i> , 2004 , 110, 75-95	14.3	714
2	Effect of cationic surfactant on the adsorption characteristics of anionic surfactant on cellulose surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 232, 139-142	5.1	19
1	Removal of surface adhered particles by surfactants and fluid motions. <i>AIChE Journal</i> , 2001 , 47, 2557-2565	5.5	26