

Santanu Paria

List of Publications by Year in descending order

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61
papers

7,489
citations

159573

30
h-index

114455

63
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64
all docs

64
docs citations

64
times ranked

12491
citing authors

#	ARTICLE	IF	CITATIONS
1	Core/Shell Nanoparticles: Classes, Properties, Synthesis Mechanisms, Characterization, and Applications. <i>Chemical Reviews</i> , 2012, 112, 2373-2433.	47.7	3,011
2	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.	14.7	826
3	Core/shell nanoparticles in biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014, 209, 8-39.	14.7	457
4	Surfactant-enhanced remediation of organic contaminated soil and water. <i>Advances in Colloid and Interface Science</i> , 2008, 138, 24-58.	14.7	407
5	Solidification-stabilization of organic and inorganic contaminants using portland cement: a literature review. <i>Environmental Reviews</i> , 2006, 14, 217-255.	4.5	261
6	Yolk/shell nanoparticles: classifications, synthesis, properties, and applications. <i>Nanoscale</i> , 2015, 7, 19789-19873.	5.6	253
7	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, 467-475.	10.1	173
8	Synthesis of sulfur nanoparticles in aqueous surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 439-446.	9.4	131
9	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.	3.6	127
10	Green synthesis of silver nanoparticles from aqueous <i>Aegle marmelos</i> leaf extract. <i>Materials Research Bulletin</i> , 2013, 48, 628-634.	5.2	97
11	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.	3.6	92
12	<i>Aegle marmelos</i> 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.	6.7	90
13	Ag doped hollow TiO ₂ nanoparticles as an effective green fungicide against <i>Fusarium solani</i> and <i>Venturia inaequalis</i> phytopathogens. <i>Nanotechnology</i> , 2016, 27, 085103.	2.6	87
14	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, 555-562.	9.4	83
15	Visible light induced photocatalytic activity of sulfur doped hollow TiO ₂ nanoparticles, synthesized via a novel route. <i>Dalton Transactions</i> , 2014, 43, 5526.	3.3	83
16	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.	4.7	82
17	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.	3.6	67
18	Solubilization of Naphthalene by Pure and Mixed Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3552-3558.	3.7	65

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19	Solubilization of Naphthalene in the Presence of Plant ² -Synthetic Mixed Surfactant Systems. <i>Journal of Physical Chemistry B</i> , 2009, 113, 474-481.	2.6	60
20	Mixed Phytochemicals Mediated Synthesis of Multifunctional Ag ⁺ -Au ⁺ -Pd Nanoparticles for Glucose Oxidation and Antimicrobial Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14018-14025.	8.0	54
21	Kinetics of Adsorption of Anionic, Cationic, and Nonionic Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 3091-3098.	3.7	52
22	Growth kinetics of sulfur nanoparticles in aqueous surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 563-569.	9.4	47
23	The wettability of PTFE and glass surfaces by nanofluids. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 141-151.	9.4	47
24	Wettability of a PTFE surface by cationic ⁺ -non-ionic surfactant mixtures in the presence of electrolytes. <i>Soft Matter</i> , 2012, 8, 5429.	2.7	43
25	Adsorption enhancement of methylene blue dye at kaolinite clay ⁺ -water interface influenced by electrolyte solutions. <i>RSC Advances</i> , 2015, 5, 30654-30659.	3.6	43
26	Green synthesis of gold nanoparticles using aqueous Aegle marmelos leaf extract and their application for thiamine detection. <i>RSC Advances</i> , 2014, 4, 28645.	3.6	40
27	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.	3.7	35
28	Carbon-Doped Mesoporous Anatase TiO ₂ Multi-Tubes Nanostructures for Highly Improved Visible Light Photocatalytic Activity. <i>Inorganic Chemistry</i> , 2017, 56, 10107-10116.	4.0	35
29	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.	5.0	32
30	Wetting of TX-100 and Igepal CO-630 Surfactants on a PTFE Surface. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6138-6145.	3.7	30
31	Optical Properties of Double-Shell Hollow ZnS ⁺ -Ag ₂ S Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23385-23390.	3.1	30
32	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.	3.7	29
33	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.	2.8	29
34	Interfacial and wetting behavior of natural ⁺ -synthetic mixed surfactant systems. <i>RSC Advances</i> , 2014, 4, 9182.	3.6	28
35	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.	9.4	28
36	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.	3.1	28

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37	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, 117-122.	9.4	27
38	Removal of surface adhered particles by surfactants and fluid motions. <i>AIChE Journal</i> , 2001, 47, 2557-2565.	3.6	26
39	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.	4.7	26
40	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.	9.3	24
41	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.	4.7	22
42	Fluorometric selective detection of fluoride ions in aqueous media using Ag doped CdS/ZnS core/shell nanoparticles. <i>Dalton Transactions</i> , 2016, 45, 811-819.	3.3	22
43	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.	3.7	20
44	Adsorption of Non-ionic Surfactants onto Sand and Its Importance in Naphthalene Removal. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 108-113.	3.7	18
45	Effect of Electrolyte Solutions on the Adsorption of Surfactants at PTFE-Water Interface. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7060-7067.	3.7	18
46	Self-assembly of colloidal sulfur particles influenced by sodium oxalate salt on glass surface from evaporating drops. <i>Soft Matter</i> , 2012, 8, 3771.	2.7	17
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.	3.6	17
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.	9.4	16
49	An Au/AgBr-Ag heterostructure plasmonic photocatalyst with enhanced catalytic activity under visible light. <i>Dalton Transactions</i> , 2017, 46, 890-898.	3.3	16
50	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.	2.8	16
51	Fluorometric sensing of ultralow As concentrations using Ag doped hollow CdS/ZnS bi-layer nanoparticles. <i>Dalton Transactions</i> , 2015, 44, 20464-20474.	3.3	13
52	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.	6.7	12
53	Growth Kinetics of Silver Bromide Nanoparticles in Aqueous Nonionic Surfactant Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11601-11607.	3.7	10
54	Natural Surfactants-Based Ag Nanofluids for Enhanced Wettability on Hair Surface. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3615-3623.	6.7	10

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55	Visible light-induced Ag nanoparticle deposited urchin-like structures for enhanced SERS application. <i>Nanoscale</i> , 2018, 10, 12970-12974.	5.6	10
56	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.	2.6	10
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.	5.1	8
58	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.	3.5	8
59	Noble metals decorated hierarchical maghemite magnetic tubes as an efficient recyclable catalyst. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 463-473.	9.4	7
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.	2.8	7
61	A promising technique of <i>Aegle marmelos</i> leaf extract mediated self-assembly for silver nanoprism formation. <i>AIChE Journal</i> , 2017, 63, 3670-3680.	3.6	3