

Subhra Jana

List of Publications by Year in descending order

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46
papers

2,485
citations

257450

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docs citations

47
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Size-Selective Catalysis by Supported Gold Nanoparticles: A Study on Heterogeneous and Homogeneous Catalytic Process. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4596-4605.	3.1	736
2	Synthesis of silver nanoshell-coated cationic polystyrene beads: A solid phase catalyst for the reduction of 4-nitrophenol. <i>Applied Catalysis A: General</i> , 2006, 313, 41-48.	4.3	273
3	Advancement in porous adsorbents for post-combustion CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 107-132.	4.4	129
4	A Green Chemistry Approach for the Synthesis of Flower-like Ag-Doped MnO ₂ Nanostructures Probed by Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1386-1392.	3.1	111
5	Shape-Selective Synthesis, Magnetic Properties, and Catalytic Activity of Single Crystalline γ -MnO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16272-16277.	3.1	92
6	Light-Assisted Synthesis of Hierarchical Flower-Like MnO ₂ Nanocomposites with Solar Light Induced Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9086-9094.	6.7	86
7	Synthesis and Modeling of Hollow Intermetallic Ni-Zn Nanoparticles Formed by the Kirkendall Effect. <i>Nano Letters</i> , 2013, 13, 3618-3625.	9.1	82
8	Controlled Interparticle Spacing for Surface-Modified Gold Nanoparticle Aggregates. <i>Langmuir</i> , 2008, 24, 5562-5568.	3.5	75
9	Halloysite Nanotubes Capturing Isotope Selective Atmospheric CO ₂ . <i>Scientific Reports</i> , 2015, 5, 8711.	3.3	70
10	Halloysite nanotubes with immobilized silver nanoparticles for anti-bacterial application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 249-254.	5.0	61
11	New hydrothermal process for hierarchical TiO ₂ nanostructures. <i>CrystEngComm</i> , 2009, 11, 1210.	2.6	47
12	Hydrogen sulphide in exhaled breath: a potential biomarker for small intestinal bacterial overgrowth in IBS. <i>Journal of Breath Research</i> , 2016, 10, 026010.	3.0	47
13	A facile approach to fabricate halloysite/metal nanocomposites with preformed and in situ synthesized metal nanoparticles: a comparative study of their enhanced catalytic activity. <i>Dalton Transactions</i> , 2015, 44, 8906-8916.	3.3	43
14	Exploitation of Electrostatic Field Force for Immobilization and Catalytic Reduction of o-Nitrobenzoic Acid to Anthranilic Acid on Resin-bound Silver Nanocomposites. <i>Langmuir</i> , 2006, 22, 7091-7095.	3.5	38
15	Synthesis, Characterization and Catalytic Application of Silver Nanoshell Coated Functionalized Polystyrene Beads. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2151-2156.	0.9	37
16	Dipole-dipole plasmon interactions in self-assembly of gold organosol induced by glutathione. <i>New Journal of Chemistry</i> , 2006, 30, 1333-1339.	2.8	33
17	Synthesis of Superparamagnetic γ -MnO ₂ Organosol: a Photocatalyst for the Oxidative Phenol Coupling Reaction. <i>Inorganic Chemistry</i> , 2008, 47, 5558-5560.	4.0	33
18	Ni-, Co-, and Mn-Doped Fe ₂ O ₃ Nano-Parallelepipeds for Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2021, 4, 5131-5140.	5.0	33

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19	Light-Induced Hydrolysis of Nitriles by Photoproduced $\text{H}^{\pm}\text{-MnO}_2$ Nanorods on Polystyrene Beads. <i>Organic Letters</i> , 2007, 9, 2191-2193.	4.6	32
20	Clay-Based Nanocomposites as Recyclable Adsorbent toward Hg(II) Capture: Experimental and Theoretical Understanding. <i>ACS Omega</i> , 2018, 3, 6283-6292.	3.5	29
21	A tubular nanoreactor directing the formation of in situ iron oxide nanorods with superior photocatalytic activity. <i>Environmental Science: Nano</i> , 2017, 4, 596-603.	4.3	28
22	Thiophene containing microporous and mesoporous nanoplates for separation of mercury from aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 3341-3349.	2.8	27
23	Exploring $\text{H}^{\pm}\text{-FeOOH}$ Nanorods as an Efficient Adsorbent for Arsenic and Organic Dyes. <i>ChemistrySelect</i> , 2018, 3, 2467-2473.	1.5	26
24	Recent progress in materials development for CO_2 conversion: issues and challenges. <i>Materials Advances</i> , 2021, 2, 3161-3187.	5.4	25
25	Light-driven synthesis of uniform dandelion-like mesoporous silica nanoflowers with tunable surface area for carbon dioxide uptake. <i>Chemical Engineering Journal</i> , 2019, 374, 1118-1126.	12.7	24
26	Mechanisms linking metabolism of <i>Helicobacter pylori</i> to ^{18}O and ^{13}C -isotopes of human breath CO_2 . <i>Scientific Reports</i> , 2015, 5, 10936.	3.3	23
27	Advances in nanoscale alloys and intermetallics: low temperature solution chemistry synthesis and application in catalysis. <i>Dalton Transactions</i> , 2015, 44, 18692-18717.	3.3	22
28	Assessing Atmospheric CO_2 Entrapped in Clay Nanotubes using Residual Gas Analyzer. <i>Analytical Chemistry</i> , 2016, 88, 2205-2211.	6.5	22
29	MnO_2 flowery nanocomposites for efficient and fast removal of mercury (II) from aqueous solution: a facile strategy and mechanistic interpretation. <i>Dalton Transactions</i> , 2020, 49, 6790-6800.	3.3	19
30	Development of novel inorganic-organic hybrid nanocomposites as a recyclable adsorbent and catalyst. <i>RSC Advances</i> , 2014, 4, 34435.	3.6	18
31	Moisture induced isotopic carbon dioxide trapping from ambient air. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7632-7640.	10.3	18
32	Diffusion Assisted Bimolecular Electron Injection to CdS Quantum Dots: Existence of Different Regimes in Time Dependent Sink Term of Collins-Kimball Model. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5308-5314.	3.1	16
33	Room Temperature Ferromagnetic Ni Nanocrystals: An Efficient Transition Metal Platform for Manifestation of Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6022-6032.	3.1	15
34	Ultra-small intermetallic NiZn nanoparticles: a non-precious metal catalyst for efficient electrocatalysis. <i>Nanoscale Advances</i> , 2020, 2, 417-424.	4.6	15
35	Seeded growth induced amorphous to crystalline transformation of niobium oxide nanostructures. <i>Nanoscale</i> , 2012, 4, 1782.	5.6	13
36	Model-Free Estimation of Energy Transfer Timescales in a Closely Emitting CdSe/ZnS Quantum Dot and Rhodamine-6G FRET Couple. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3296-3303.	3.3	13

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37	Doping of Ni in $\gamma\text{-Fe}_2\text{O}_3$ Nanoclews To Boost Oxygen Evolution Electrocatalysis. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	10
38	Investigation of halloysite nanotubes with deposited silver nanoparticles by methods of optical spectroscopy. Physics of the Solid State, 2016, 58, 601-605.	0.6	9
39	Plasmonic Properties of Halloysite Nanotubes with Immobilized Silver Nanoparticles for Applications in Surface-Enhanced Raman Scattering. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800886.	1.8	9
40	Parametric Study and Detailed Kinetic Understanding of CO ₂ Adsorption over High-Surface-Area Flowery Silica Nanomaterials. Industrial & Engineering Chemistry Research, 2020, 59, 21393-21402.	3.7	9
41	Synthesis of Template-Free Iron Oxyhydroxide Nanorods for Sunlight-Driven Photo-Fenton Catalysis. ACS Omega, 2021, 6, 27905-27912.	3.5	8
42	Advances in Porous Adsorbents for CO ₂ Capture and Storage. , 2018, , .		7
43	Chromogenic-Functionalized Silica Nanoflower Composites for the Detection of Carbon Dioxide. ACS Applied Nano Materials, 2020, 3, 4321-4328.	5.0	7
44	Halloysite Nanotubes with Immobilized Plasmonic Nanoparticles for Biophotonic Applications. Applied Sciences (Switzerland), 2021, 11, 4565.	2.5	7
45	Exploring flowery MnO ₂ /Ag nanocomposite as an efficient solar-light-driven photocatalyst. New Journal of Chemistry, 2022, 46, 4189-4197.	2.8	5
46	Layer-by-Layer Deposition of Silver/Gold Nanoparticles for Catalytic Reduction of Nitroaromatics. Journal of Nanoscience and Nanotechnology, 2010, 10, 847-859.	0.9	3