

Sudipto Pal

List of Publications by Year in descending order

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32
papers

925
citations

566801

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454577

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32
all docs

32
docs citations

32
times ranked

1419
citing authors

#	ARTICLE	IF	CITATIONS
1	SiO ₂ based nanocomposite for simultaneous magnetic removal and discrimination of small pollutants in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127905.	2.3	18
2	Investigation of Photocatalysis by Mesoporous Titanium Dioxide Supported on Glass Fibers as an Integrated Technology for Water Remediation. <i>Catalysts</i> , 2022, 12, 41.	1.6	9
3	Antibacterial Activity of In Situ Generated Silver Nanoparticles in Hybrid Silica Films. <i>Photochem</i> , 2022, 2, 479-488.	1.3	3
4	Block Copolymer and Cellulose Templated Mesoporous TiO ₂ -SiO ₂ Nanocomposite as Superior Photocatalyst. <i>Catalysts</i> , 2022, 12, 770.	1.6	7
5	Coffee Grounds-Derived CNPs for Efficient Cr(VI) Water Remediation. <i>Nanomaterials</i> , 2021, 11, 1064.	1.9	4
6	Hybrid TiO ₂ @ phthalocyanine catalysts in photooxidation of 4-nitrophenol: Effect of the matrix and sensitizer type. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 387, 112124.	2.0	10
7	Diatomite/silver phosphate composite for efficient degradation of organic dyes under solar radiation. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	10
8	Photocatalytic Degradation of Tetracycline by ZnO/Fe ₃ O ₄ Paramagnetic Nanocomposite Material. <i>Nanomaterials</i> , 2020, 10, 1458.	1.9	56
9	Cellulose-Based Substrate for SERS-Promoted Histamine Picomolar Detection in Beverages. <i>ChemistrySelect</i> , 2019, 4, 2968-2975.	0.7	12
10	Limestones coated with photocatalytic TiO ₂ to enhance building surface with self-cleaning and depolluting abilities. <i>Journal of Cleaner Production</i> , 2017, 165, 1036-1047.	4.6	49
11	Enhanced Solar-Driven Applications of ZnO@Ag Patchy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27199-27206.	1.5	25
12	Silver-Functionalized Bacterial Cellulose as Antibacterial Membrane for Wound-Healing Applications. <i>ACS Omega</i> , 2017, 2, 3632-3639.	1.6	175
13	Ethylene photo-oxidation on copper phthalocyanine sensitized TiO ₂ films under solar radiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 523-529.	2.0	14
14	Self-Cleaning Mineral Paint for Application in Architectural Heritage. <i>Coatings</i> , 2016, 6, 48.	1.2	23
15	Photocatalytic degradation of ethylene on mesoporous TiO ₂ /SiO ₂ nanocomposites: Effects on the ripening of mature green tomatoes. <i>Biosystems Engineering</i> , 2015, 132, 61-70.	1.9	92
16	Biphase TiO ₂ Microspheres with Enhanced Photocatalytic Activity. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 7931-7938.	1.8	65
17	Nanocrystalline TiO ₂ -diatomite composite catalysts: Effect of crystallization on the photocatalytic degradation of rhodamine B. <i>Applied Catalysis A: General</i> , 2014, 485, 157-162.	2.2	61
18	Spectrally selective absorber coating from transition metal complex for efficient photothermal conversion. <i>Journal of Materials Science</i> , 2013, 48, 8268-8276.	1.7	25

#	ARTICLE	IF	CITATIONS
19	Au@MO ₂ (M= Ti, Zr, Si) Films by Ex Situ Incorporation Approach. <i>Science of Advanced Materials</i> , 2012, 4, 663-668.	0.1	2
20	A new non-destructive method for chemical analysis of particulate matter filters: The case of manganese air pollution in Vallecamonica (Italy). <i>Talanta</i> , 2011, 84, 192-198.	2.9	43
21	Cu x Ni ^x alloy nanoparticles embedded SiO ₂ films: synthesis and structure. <i>Journal of Nanoparticle Research</i> , 2011, 13, 321-329.	0.8	10
22	Using aggregates of gold nanorods in SER(R)S experiments: an empirical evaluation of some critical aspects. <i>Nanotechnology</i> , 2010, 21, 425701.	1.3	33
23	Improved photoluminescence properties of sol-gel derived Er ³⁺ doped silica films. <i>Journal of Applied Physics</i> , 2010, 108, 113116.	1.1	6
24	Cu@Au@Ag Alloy Nanoparticles Incorporated Silica Films Using a New Three-Layer Deposition Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 775-783.	0.9	9
25	Au nanoparticles doped ZrTiO ₄ films and hydrogen gas induced Au-plasmon shifting. <i>Journal of Materials Chemistry</i> , 2010, 20, 9081.	6.7	8
26	Reversible transformations of silver oxide and metallic silver nanoparticles inside SiO ₂ films. <i>Materials Research Bulletin</i> , 2009, 44, 355-359.	2.7	34
27	Metal nanoparticle doped coloured coatings on glasses and plastics through tuning of surface plasmon band position. <i>Bulletin of Materials Science</i> , 2008, 31, 479-485.	0.8	13
28	Formation of Au@Pt bimetallic nanoparticles in a two-layer SiO ₂ films doped with Au and Pt, respectively, through interlayer diffusion. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4062.	1.3	17
29	Synthesis of Au@Ag Alloy Nanoparticles with Au/Ag Compositional Control in SiO ₂ Film Matrix. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1994-1999.	0.9	9
30	Oriented Au@Cu nanoalloy particle incorporated SiO ₂ films using a new layer by layer deposition technique. <i>Journal of Materials Chemistry</i> , 2007, 17, 493-498.	6.7	23
31	Metal nanoparticle-doped coloured films on glass and polycarbonate substrates. <i>Pramana - Journal of Physics</i> , 2005, 65, 931-936.	0.9	6
32	A New Approach for the Synthesis of Au@Ag Alloy Nanoparticle Incorporated SiO ₂ Films. <i>Chemistry of Materials</i> , 2005, 17, 6161-6166.	3.2	54