

Subodh K De

List of Publications by Year in descending order

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papers

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759055

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#	ARTICLE	IF	CITATIONS
1	Maximization of photocatalytic activity of Bi ₂ S ₃ /TiO ₂ /Au ternary heterostructures by proper epitaxy formation and plasmonic sensitization. Applied Catalysis B: Environmental, 2017, 219, 287-300.	10.8	62
2	Control Synthesis of Air-Stable Morphology Tunable Pb-Free Cs ₂ SnI ₆ Perovskite Nanoparticles and Their Photodetection Properties. Particle and Particle Systems Characterization, 2018, 35, 1800199.	1.2	55
3	Enhanced magnetic and dielectric behavior in Co doped BiFeO ₃ nanoparticles. Journal of Magnetism and Magnetic Materials, 2015, 381, 271-277.	1.0	39
4	Control Synthesis and Alloying of Ambient Stable Pb-Free Cs ₃ Bi ₂ Br ₉ (1-x)I ₉ (0 ≤ x ≤ 1) Perovskite Nanocrystals for Photodetector Application. ACS Applied Nano Materials, 2020, 3, 11107-11117.	2.4	33
5	Nanoscale Kirkendall Effect Driven Au Decorated CdS/CdO Colloidal Nanocomposites for Efficient Hydrogen Evolution, Photocatalytic Dye Degradation and Cr (VI) Reduction. Catalysis Today, 2020, 340, 253-267.	2.2	27
6	Cu ₃ N Nanocrystals Decorated with Au Nanoparticles for Photocatalytic Degradation of Organic Dyes. ACS Applied Nano Materials, 2019, 2, 5009-5019.	2.4	22
7	Nb-Dopant-Induced Tuning of Optical and Electrical Property of Anatase TiO ₂ Nanocrystals. ChemistrySelect, 2018, 3, 6654-6664.	0.7	19
8	Efficient Charge Separation in Plasmonic ZnS@Sn:ZnO Nanoheterostructure: Nanoscale Kirkendall Effect and Enhanced Photophysical Properties. Langmuir, 2018, 34, 4324-4339.	1.6	17
9	Optical and magnetic properties of Gd ¹⁺ Sr ^x CrO ₃ (0 ≤ x ≤ 0.15). Journal of Physics Condensed Matter, 2019, 31, 505801.	0.7	17
10	Unveiling ferrimagnetic ground state, anomalous behavior of the exchange-bias field around spin reorientation, and magnetoelectric coupling in YbCr ₂ Fe _{1-x} (0 ≤ x ≤ 1). Journal of Physics Condensed Matter, 2019, 31, 505801.	1.1	17
11	Cation Exchange Mediated Synthesis and Tuning of Bimodal Plasmon in Alloyed Ternary Cu ₃ BiS ₃ Se Nanorods. Chemistry of Materials, 2018, 30, 5020-5031.	3.2	16
12	Cation Exchange-Mediated Synthesis of Library of Plasmomagnetic Nanoheterostructures: Transformation of 2-Dimensional-Shaped Fe ₇ S ₈ Nanoplates to Cu-Fe-S-Based Ternary Compound. Chemistry of Materials, 2018, 30, 5550-5560.	3.2	14
13	Structural features of the La-Sr-Fe-Co-O system. European Physical Journal B, 2001, 21, 521-526.	0.6	12
14	Large exchange bias effect in LaCr _{0.9} Ru _{0.1} O ₃ . Journal of Magnetism and Magnetic Materials, 2016, 417, 160-164.	1.0	12
15	Dielectric and impedance spectroscopy of Sm ₂ CoRuO ₆ double perovskite. Journal of Alloys and Compounds, 2021, 876, 160158.	2.8	12
16	Core-shell ZnO@CuInS ₂ hexagonal nanopyramids with improved photo-conversion efficiency. Solar Energy Materials and Solar Cells, 2015, 143, 326-334.	3.0	11
17	Magnetization reversal, exchange interaction, and switching behavior studies on Ru doped GdCrO ₃ . Journal of Alloys and Compounds, 2018, 739, 418-424.	2.8	11
18	Defect and Optical Properties of Sb doped and hydrogenated BaSnO ₃ . Semiconductor Science and Technology, 2018, 33, 035018.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Dielectric and impedance spectroscopy of Nd ₂ CoIrO ₆ double perovskite. Journal of Physics Condensed Matter, 2020, 32, 495702.	0.7	9
20	Enhanced Magnetic Properties of In ²⁺ Mn-Codoped Plasmonic ZnO Nanoflowers: Evidence of Delocalized Charge Carrier-Mediated Ferromagnetic Coupling. Chemistry of Materials, 2019, 31, 8191-8204.	3.2	8
21	Spectroscopic and magnetic investigations of a spin-frustrated Mn-doped CoAl ₂ O ₄ spinel. Physical Chemistry Chemical Physics, 2019, 21, 842-850.	1.3	8
22	Itinerant to localized electronic behavior in phase segregated ruthenates. Journal of Alloys and Compounds, 2016, 667, 248-254.	2.8	7
23	3D/2D Bi ₂ S ₃ /SnS ₂ heterostructures: superior charge separation and enhanced solar light-driven photocatalytic performance. CrystEngComm, 2021, 23, 2276-2288.	1.3	7
24	Visible transparent white light emitting ink from a Ce ³⁺ sensitized monodispersed Tb,Sm co-doped LaF ₃ @C-dot nanocomposite. Chemical Communications, 2018, 54, 14124-14127.	2.2	6
25	Structural, electric and magnetic properties of La ^{1-x} Sr _x Co ^{1-x} Ru _x O ₃ (0 ≤ x ≤ 0.6) solid solution. Journal of Alloys and Compounds, 2015, 649, 1164-1173.	2.8	5
26	Enhanced Photophysical Properties of Bi ₂ S ₃ /AgBiS ₂ Nanoheterostructures Synthesized via Ag(I) Cation Exchange-Mediated Transformation of Binary Bi ₂ S ₃ . Journal of Physical Chemistry C, 2020, 124, 12824-12833.	1.5	5
27	Magnetic and transport properties of the mixed 3d ⁵ 4f double perovskite Sm ₂ CoIrO ₆ . Journal of Physics Condensed Matter, 2021, 33, 335801.	0.7	5
28	Observations of ferromagnetic cluster glass and exchange bias behavior in the double perovskite compound La ₂ Cu _{0.9} Cr _{0.1} IrO ₆ . Journal of Physics Condensed Matter, 2020, 32, 305803.	0.7	3
29	Emergence of exchange bias effect in double perovskite La ₂ Cu _{0.9} Fe _{0.1} IrO ₆ originated from Fe doping. Journal of Magnetism and Magnetic Materials, 2022, 559, 169538.	1.0	1
30	Short range spin-spin correlation, spin-phonon coupling and isostructural phase transition in hetero-tri-spin 3d-5d-4f double perovskite Sm ₂ CoIrO ₆ . Journal of Solid State Chemistry, 2022, 314, 123391.	1.4	1
31	Exchange bias effect in a finite site disordered canted antiferromagnet. Journal of Physics Condensed Matter, 2018, 30, 365801.	0.7	0
32	Itinerant and localized paramagnetism in Co doped CaCu ₃ Ru ₄ O ₁₂ . Materials Research Express, 2019, 6, 126109.	0.8	0
33	Observation of two magnetic transitions and conventional exchange bias effect in high dielectric iridate La ₂ Cu _{0.9} Mn _{0.1} IrO ₆ . Solid State Sciences, 2022, 129, 106901.	1.5	0