

# Subodh K De

## List of Publications by Year in descending order

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33  
papers

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Observation of two magnetic transitions and conventional exchange bias effect in high dielectric iridate La <sub>2</sub> Cu <sub>0.9</sub> Mn <sub>0.1</sub> IrO <sub>6</sub> . Solid State Sciences, 2022, 129, 106901.	1.5	0
2	Emergence of exchange bias effect in double perovskite La <sub>2</sub> Cu <sub>0.9</sub> Fe <sub>0.1</sub> IrO <sub>6</sub> originated from Fe doping. Journal of Magnetism and Magnetic Materials, 2022, 559, 169538.	1.0	1
3	Short range spin-spin correlation, spin-phonon coupling and isostructural phase transition in hetero-tri-spin 3d-5d-4f double perovskite Sm <sub>2</sub> CoIrO <sub>6</sub> . Journal of Solid State Chemistry, 2022, 314, 123391.	1.4	1
4	3D/2D Bi <sub>2</sub> S <sub>3</sub> /SnS <sub>2</sub> heterostructures: superior charge separation and enhanced solar light-driven photocatalytic performance. CrystEngComm, 2021, 23, 2276-2288.	1.3	7
5	Magnetic and transport properties of the mixed 3d-5d-4f double perovskite Sm <sub>2</sub> CoIrO <sub>6</sub> . Journal of Physics Condensed Matter, 2021, 33, 335801.	0.7	5
6	Dielectric and impedance spectroscopy of Sm <sub>2</sub> CoIrO <sub>6</sub> double perovskite. Journal of Alloys and Compounds, 2021, 876, 160158.	2.8	12
7	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
8	Control Synthesis and Alloying of Ambient Stable Pb-Free Cs <sub>3</sub> Bi <sub>2</sub> Br <sub>9</sub> (1-x)(0 ≤ x ≤ 1) Perovskite Nanocrystals for Photodetector Application. ACS Applied Nano Materials, 2020, 3, 11107-11117.	2.4	33
9	Enhanced Photophysical Properties of Bi <sub>2</sub> S <sub>3</sub> /AgBiS <sub>2</sub> Nanoheterostructures Synthesized via Ag(I) Cation Exchange-Mediated Transformation of Binary Bi <sub>2</sub> S <sub>3</sub> . Journal of Physical Chemistry C, 2020, 124, 12824-12833.	1.5	5
10	Unveiling ferromagnetic ground state, anomalous behavior of the exchange-bias field around spin reorientation, and magnetoelectric coupling in YbC <sub>r</sub> . Journal of Physics Condensed Matter, 2020, 32, 305803.	1.1	17
11	Observations of ferromagnetic cluster glass and exchange bias behavior in the double perovskite compound La <sub>2</sub> Cu <sub>0.9</sub> Cr <sub>0.1</sub> IrO <sub>6</sub> . Journal of Physics Condensed Matter, 2020, 32, 305803.	0.7	3
12	Dielectric and impedance spectroscopy of Nd <sub>2</sub> CoIrO <sub>6</sub> double perovskite. Journal of Physics Condensed Matter, 2020, 32, 495702.	0.7	9
13	Cu <sub>3</sub> N Nanocrystals Decorated with Au Nanoparticles for Photocatalytic Degradation of Organic Dyes. ACS Applied Nano Materials, 2019, 2, 5009-5019.	2.4	22
14	Enhanced Magnetic Properties of In-Mn-Codoped Plasmonic ZnO Nanoflowers: Evidence of Delocalized Charge Carrier-Mediated Ferromagnetic Coupling. Chemistry of Materials, 2019, 31, 8191-8204.	3.2	8
15	Spectroscopic and magnetic investigations of a spin-frustrated Mn-doped CoAl <sub>2</sub> O <sub>4</sub> spinel. Physical Chemistry Chemical Physics, 2019, 21, 842-850.	1.3	8
16	Optical and magnetic properties of Gd <sup>3+</sup> /Sr <sup>x</sup> /CrO <sub>3</sub> (0 ≤ x ≤ 0.15). Journal of Physics Condensed Matter, 2019, 31, 505801.	0.7	17
17	Itinerant and localized paramagnetism in Co doped CaCu <sub>3</sub> Ru <sub>4</sub> O <sub>12</sub> . Materials Research Express, 2019, 6, 126109.	0.8	0
18	Defect and Optical Properties of Sb doped and hydrogenated BaSnO <sub>3</sub> . Semiconductor Science and Technology, 2018, 33, 035018.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Magnetization reversal, exchange interaction, and switching behavior studies on Ru doped GdCrO <sub>3</sub> . Journal of Alloys and Compounds, 2018, 739, 418-424.	2.8	11
20	Efficient Charge Separation in Plasmonic ZnS@Sn:ZnO Nanoheterostructure: Nanoscale Kirkendall Effect and Enhanced Photophysical Properties. Langmuir, 2018, 34, 4324-4339.	1.6	17
21	Visible transparent white light emitting ink from a Ce <sup>3+</sup> sensitized monodispersed Tb,Sm co-doped LaF <sub>3</sub> @C-dot nanocomposite. Chemical Communications, 2018, 54, 14124-14127.	2.2	6
22	Cation Exchange-Mediated Synthesis of Library of Plasmomagnetic Nanoheterostructures: Transformation of 2-Dimensional-Shaped Fe <sub>7</sub> S <sub>8</sub> Nanoplates to Cu-Fe-S-Based Ternary Compound. Chemistry of Materials, 2018, 30, 5550-5560.	3.2	14
23	Exchange bias effect in a finite site disordered canted antiferromagnet. Journal of Physics Condensed Matter, 2018, 30, 365801.	0.7	0
24	Cation Exchange Mediated Synthesis and Tuning of Bimodal Plasmon in Alloyed Ternary Cu <sub>3</sub> BiS <sub>3</sub> -xSe <sub>x</sub> Nanorods. Chemistry of Materials, 2018, 30, 5020-5031.	3.2	16
25	Control Synthesis of Air-Stable Morphology Tunable Pb-Free Cs <sub>2</sub> Snl <sub>6</sub> Perovskite Nanoparticles and Their Photodetection Properties. Particle and Particle Systems Characterization, 2018, 35, 1800199.	1.2	55
26	Nb-Dopant-Induced Tuning of Optical and Electrical Property of Anatase TiO <sub>2</sub> Nanocrystals. ChemistrySelect, 2018, 3, 6654-6664.	0.7	19
27	Maximization of photocatalytic activity of Bi <sub>2</sub> S <sub>3</sub> /TiO <sub>2</sub> /Au ternary heterostructures by proper epitaxy formation and plasmonic sensitization. Applied Catalysis B: Environmental, 2017, 219, 287-300.	10.8	62
28	Large exchange bias effect in LaCr <sub>0.9</sub> Ru <sub>0.1</sub> O <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2016, 417, 160-164.	1.0	12
29	Itinerant to localized electronic behavior in phase segregated ruthenates. Journal of Alloys and Compounds, 2016, 667, 248-254.	2.8	7
30	Enhanced magnetic and dielectric behavior in Co doped BiFeO <sub>3</sub> nanoparticles. Journal of Magnetism and Magnetic Materials, 2015, 381, 271-277.	1.0	39
31	Structural, electric and magnetic properties of La <sub>1-x</sub> Sr <sub>x</sub> Co <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.6) solid solution. Journal of Alloys and Compounds, 2015, 649, 1164-1173.	2.8	5
32	Core-shell ZnO@CuInS <sub>2</sub> hexagonal nanopyramids with improved photo-conversion efficiency. Solar Energy Materials and Solar Cells, 2015, 143, 326-334.	3.0	11
33	Structural features of the La-Sr-Fe-Co-O system. European Physical Journal B, 2001, 21, 521-526.	0.6	12