

# Surajit Ghosh

## List of Publications by Year in descending order

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29  
papers

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citations

933447

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996975

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docs citations

29  
times ranked

289  
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#	ARTICLE	IF	CITATIONS
1	Effect of $\text{Eu}^{2+}$ and $\text{Fe}^{3+}$ Interactions on Dielectric and Optical Properties of Pyrochlore $\text{Eu}_{2-x}\text{Fe}_x\text{Ti}_2\text{O}_7$ . Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	4
2	Wasp $\hat{=}$ Waisted loop and spin frustration in $\text{Dy}_{2-x}\text{Eu}_x\text{Ti}_2\text{O}_7$ pyrochlore. Journal of Magnetism and Magnetic Materials, 2021, 518, 167364.	2.3	7
3	Emergence of metamagnetic transition, re-entrant cluster glass and spin phonon coupling in $\text{Tb}_2\text{CoMnO}_6$ . Journal of Physics Condensed Matter, 2021, 33, 275802.	1.8	9
4	Structural, magnetic and optical properties of diluted magnetic semiconductor (DMS) phase of Ni modified CuO nanoparticles. Current Applied Physics, 2021, 32, 24-35.	2.4	15
5	Existence of exchange bias and Griffith phase in $(\text{Tb}_{1-x}\text{Ce}_x)\text{MnO}_3$ . Journal of Magnetism and Magnetic Materials, 2020, 500, 166261.	2.3	6
6	Structural, magnetic and vibrational properties of BSTS topological insulator. AIP Conference Proceedings, 2020, , .	0.4	0
7	Study of spin-freezing transition in pyrochlore $\text{Eu}_{1.9}\text{Ce}_{0.1}\text{Ti}_2\text{O}_7$ from AC-susceptibility measurement. AIP Conference Proceedings, 2020, , .	0.4	0
8	Extraordinary magnetic properties of double perovskite $\text{Eu}_2\text{CoMnO}_6$ wide band gap semiconductor. Journal of Physics Condensed Matter, 2020, 32, 365802.	1.8	12
9	Roles of Re-entrant cluster glass state and spin $\hat{=}$ lattice coupling in magneto $\hat{=}$ dielectric behavior of giant dielectric double perovskite $\text{La}_{1.8}\text{Pr}_{0.2}\text{CoFeO}_6$ . Journal of Physics Condensed Matter, 2020, 32, 445801.	1.8	6
10	Unusual Ferromagnetic to Paramagnetic Change and Bandgap Shift in ZnS:Cr Nanoparticles. Journal of Electronic Materials, 2019, 48, 7031-7039.	2.2	4
11	Magneto-thermal property study of geometrically frustrated hybrid pyrochlore $\text{Dy}_{2-x}\text{Er}_x\text{Ti}_2\text{O}_7$ . AIP Conference Proceedings, 2019, , .	0.4	0
12	Spin freezing and field induced transition in $(\text{Tb}_{1-x}\text{Eu}_x)_2\text{Ti}_2\text{O}_7$ : A magnetic property study. Journal of Magnetism and Magnetic Materials, 2019, 490, 165512.	2.3	5
13	B-site disorder driven multiple-magnetic phases: Griffiths phase, re-entrant cluster glass, and exchange bias in $\text{Pr}_2\text{CoFeO}_6$ . Applied Physics Letters, 2019, 114, .	3.3	37
14	Study of band structure, transport and magnetic properties of $\text{BiFeO}_3\hat{=}\text{TbMnO}_3$ composite. SN Applied Sciences, 2019, 1, 1.	2.9	6
15	Spin phonon coupling and magneto-dielectric coupling in $\text{BiFeO}_3\hat{=}\text{TbMnO}_3$ composite. Materials Research Express, 2019, 6, 086114.	1.6	4
16	Enhanced Photocatalytic Activity and Low Temperature Magnetic/Transport Study of Cu-Doped ZnS-Based Diluted Magnetic Semiconductor Nanoparticles. Journal of Electronic Materials, 2019, 48, 4544-4551.	2.2	1
17	Investigation of multi-mode spin $\hat{=}$ phonon coupling and local B-site disorder in $\text{Pr}_2\text{CoFeO}_6$ by Raman spectroscopy and correlation with its electronic structure by XPS and XAS studies. Journal of Physics Condensed Matter, 2019, 31, 275802.	1.8	19
18	Room temperature exchange bias in antiferromagnetic composite $\text{BiFeO}_3\text{-TbMnO}_3$ . Journal of Applied Physics, 2019, 126, .	2.5	9

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19	Electronic structure by X-ray absorption spectroscopy and observation of field induced unusually slow spin relaxation from magnetic properties in pyrochlore $\text{Eu}_2\text{Ti}_2\text{O}_7$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 7-17.	2.3	7
20	Bound magnetic polaron driven room-temperature ferromagnetism in Ni doped ZnS nanoparticles. <i>Materials Chemistry and Physics</i> , 2018, 216, 285-293.	4.0	14
21	Effect of impurity concentration on optical and magnetic properties in ZnS:Cu nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 148-152.	2.7	20
22	Structural and Magnetic Studies of Thermally Treated $\text{NiFe}_2\text{O}_4$ Nanoparticles. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 6135-6141.	2.2	2
23	Hysteresis in magnetoresistance and formation of spin glass like structure in PVA capped $\text{Fe}_3\text{O}_4$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15284-15292.	2.2	2
24	In vitro concentration dependent detection of creatinine: a surface enhanced Raman scattering and fluorescence study. <i>RSC Advances</i> , 2016, 6, 112562-112567.	3.6	18
25	Structural, magnetic and optical properties of ZnO nanostructures converted from ZnS nanoparticles. <i>Materials Research Bulletin</i> , 2016, 81, 85-92.	5.2	23
26	Antiferromagnetic coupling in Co-doped ZnS. <i>Journal of Materials Science</i> , 2015, 50, 7919-7929.	3.7	18
27	Interface States of $\text{Fe}_3\text{O}_4/\text{Si}$ Interfacial Structure and Effect of Magnetic Field. <i>Journal of Electronic Materials</i> , 2014, 43, 4357-4363.	2.2	11
28	Injecting electrode controlled electronic transport across $\text{Fe}_3\text{O}_4$ film-Si interfacial structure. <i>Journal of Alloys and Compounds</i> , 2014, 612, 418-424.	5.5	8
29	Relaxor-super-paraelectric behaviour and crystal field driven spin-phonon coupling in pyrochlore $\text{Eu}_2\text{Ti}_2\text{O}_7$ . <i>Europhysics Letters</i> , 0, , .	2.0	2