

# Satya Prakash Pati

## List of Publications by Year in descending order

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30  
papers

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citations

840776  
11  
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794594  
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docs citations

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times ranked

531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying the Effects of Cu Doping on Structure and Photoluminescence Properties of SnO <sub>2</sub> Nanoparticle with Its Effectiveness towards the Mineralization of Toxic Industrial Dye. ECS Journal of Solid State Science and Technology, 2021, 10, 071006.	1.8	4
2	Room temperature magnetization dynamics of Y3Fe5O12 films capped with a Cr2O3 layer. Materials Letters, 2021, 299, 130088.	2.6	0
3	Voltage-driven strain-induced coexistence of both volatile and non-volatile interfacial magnetoelectric behaviors in LSMO/PMN-PT (0%1). Journal Physics D: Applied Physics, 2020, 53, 054003 <sup>2-8</sup>		12
4	Influence on the Gilbert damping of yttrium-iron-garnet films by the spin-pumping effect. Materials Science in Semiconductor Processing, 2020, 107, 104821.	4.0	2
5	Study on the Gilbert damping of polycrystalline YIG films with different capping layers. Current Applied Physics, 2020, 20, 167-171.	2.4	1
6	Magnetic anisotropy of doped Cr2O3 antiferromagnetic films evaluated by utilizing parasitic magnetization. Journal of Applied Physics, 2020, 128, 023901.	2.5	8
7	Parasitic Magnetism in Magnetoelectric Antiferromagnet. ACS Applied Materials & Interfaces, 2020, 12, 29971-29978.	8.0	3
8	Identifying valency and occupation sites of Ir dopants in antiferromagnetic $\hat{\pm}$ -Fe2O3 thin films with X-ray absorption fine structure and M $\hat{\pm}$ ssbauer spectroscopy. Journal of Applied Physics, 2019, 125, .	2.5	7
9	Enhanced Low-Temperature Interfacial Gilbert Damping in Pt/YIG/Pt Trilayer Structures. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	6
10	Inserted metals for low-energy magnetoelectric switching in a Cr <sub>2</sub> O <sub>3</sub> /ferromagnet interfacial exchange-biased thin film system. Journal of Materials Chemistry C, 2018, 6, 2962-2969.	5.5	12
11	Manipulation of Antiferromagnetic Spin Using Tunable Parasitic Magnetization in Magnetoelectric Antiferromagnet. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800366.	2.4	10
12	High performance gas sensing based on nano rods of nickel ferrite fabricated by a facile solvothermal route. Materials Research Express, 2018, 5, 065056.	1.6	5
13	Enhancing the blocking temperature of perpendicular-exchange biased Cr2O3 thin films using buffer layers. AIP Advances, 2017, 7, .	1.3	14
14	Effect of a Platinum Buffer Layer on the Magnetization Dynamics of Sputter Deposited YIG Polycrystalline Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	12
15	Control of lateral ferromagnetic domains in Cr2O3/Pt/Co thin film system with positive exchange bias. Applied Physics Letters, 2017, 110, 132408.	3.3	7
16	Solvent Dependent Phase Transition between Two Polymorphic Phases of Manganese $\hat{\pm}$ Tungstate: From Rigid to Hollow Microsphere. Crystal Growth and Design, 2017, 17, 719-729.	3.0	1
17	Control of spin $\hat{\pm}$ reorientation transition in (0001) oriented $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> thin film by external magnetic field and temperature. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700101.	2.4	6
18	Large perpendicular exchange bias and high blocking temperature in Al-doped Cr <sub>2</sub> O <sub>3</sub> /Co thin film systems. Applied Physics Express, 2017, 10, 073003.	2.4	10

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19	Low-energy magnetoelectric control of domain states in exchange-coupled heterostructures. <i>Physical Review B</i> , 2017, 95, .	3.2	25
20	Magnetoelectric switching energy in Cr <sub>2</sub> O <sub>3</sub> /Pt/Co perpendicular exchange coupled thin film system with small Cr <sub>2</sub> O <sub>3</sub> magnetization. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 070302.	1.5	16
21	Finite-size scaling effect on Néel temperature of antiferromagnetic films in exchange-coupled heterostructures. <i>Physical Review B</i> , 2016, 94, .	2.2	19
22	Observation of Enhancement of the Morin Transition Temperature in Iridium-Doped $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> Thin Film by <sup>57</sup> Fe-Grazing Incidence Synchrotron Radiation Mössbauer Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 063601.	1.6	17
23	High critical field NbC superconductor on carbon spheres. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15218-15222.	2.8	3
24	Synthesis and magnetic properties of highly dispersed tantalum carbide nanoparticles decorated on carbon spheres. <i>CrystEngComm</i> , 2016, 18, 1427-1438.	2.6	4
25	Morin transition temperature in (0001)-oriented $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> thin film and effect of Ir doping. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	41
26	Néel temperature of Cr <sub>2</sub> O <sub>3</sub> in Cr <sub>2</sub> O <sub>3</sub> /Co exchange-coupled system: Effect of buffer layer. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	20
27	Tunable properties of magneto-optical Fe <sub>3</sub> O <sub>4</sub> /CdS nanocomposites on size variation of the magnetic component. <i>Materials Chemistry and Physics</i> , 2015, 151, 105-111.	4.0	20
28	Interparticle and collective states of interactions in mechanically milled Fe/CoO nanocomposites. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	9
29	Effects of magnetite nanoparticles on optical properties of zinc sulfide in fluorescent-magnetic Fe <sub>3</sub> O <sub>4</sub> /ZnS nanocomposites. <i>Powder Technology</i> , 2014, 254, 583-590.	4.2	70
30	Interfacial magnetic phenomena of mechanosynthesized Fe nanoparticles in MnO matrix. <i>Ceramics International</i> , 2014, 40, 10343-10349.	4.8	7