# Satya Prakash Pati

List of Publications by Year
in descending order

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| 30 | 391 | 840776 11 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 30 | 30 | 30 | 531 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of magnetite nanoparticles on optical properties of zinc sulfide in fluorescent-magnetic Fe3O4/ZnS nanocomposites. Powder Technology, 2014, 254, 583-590. | 4.2 | 70 |
| 2 | Morin transition temperature in (0001)-oriented Î±-Fe2O3 thin film and effect of Ir doping. Journal of Applied Physics, 2015, 117, . | 2.5 | 41 |
| 3 | Finite-size scaling effect on NÃ©el temperature of antiferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mr films in exchange-coupled heterostructures. Physical Review B, 2016, 94, . | 3.2 | 39 |
| 4 | Low-energy magnetoelectric control of domain states in exchange-coupled heterostructures. Physical Review B, 2017, 95, . | 3.2 | 25 |
| 5 | NÃ©el temperature of Cr2O3 in Cr2O3/Co exchange-coupled system: Effect of buffer layer. Journal of Applied Physics, 2015, 117, . | 2.5 | 20 |
| 6 | Tunable properties of magneto-optical Fe3O4/CdS nanocomposites on size variation of the magnetic component. Materials Chemistry and Physics, 2015, 151, 105-111. | 4.0 | 20 |
| 7 | Observation of Enhancement of the Morin Transition Temperature in Iridium-Doped Î±-Fe<sub>2</sub>O<sub>3</sub> Thin Film by <sup>57</sup>Fe-Grazing Incidence Synchrotron Radiation MÃ¶ssbauer Spectroscopy. Journal of the Physical Society of Japan, 2016, 85, 063601. | 1.6 | 17 |
| 8 | 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. Japanese Journal of Applied Physics, 2017, 56, 070302. | 1.5 | 16 |
| 9 | Enhancing the blocking temperature of perpendicular-exchange biased Cr2O3 thin films using buffer layers. AIP Advances, 2017, 7, . | 1.3 | 14 |
| 10 | 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 |
| 11 | 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 |
| 12 | Voltage-driven strain-induced coexistence of both volatile and non-volatile interfacial magnetoelectric behaviors in LSMO/PMN-PT (0â€‰0â€‰1). Journal Physics D: Applied Physics, 2020, 53, 054003. | 2.8 | 12 |
| 13 | 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 |
| 14 | Manipulation of Antiferromagnetic Spin Using Tunable Parasitic Magnetization in Magnetoelectric Antiferromagnet. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800366. | 2.4 | 10 |
| 15 | Interparticle and collective states of interactions in mechanically milled Fe/CoO nanocomposites. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 9 |
| 16 | Magnetic anisotropy of doped Cr2O3 antiferromagnetic films evaluated by utilizing parasitic magnetization. Journal of Applied Physics, 2020, 128, 023901. | 2.5 | 8 |
| 17 | Interfacial magnetic phenomena of mechanosynthesized Fe nanoparticles in MnO matrix. Ceramics International, 2014, 40, 10343-10349. | 4.8 | 7 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Identifying valency and occupation sites of Ir dopants in antiferromagnetic Î±-Fe2O3 thin films with X-ray absorption fine structure and MÃ¶ssbauer spectroscopy. Journal of Applied Physics, 2019, 125, . | 2.5 | 7 |
| 20 | Control of spinâ€reorientation transition in (0001) oriented Î±â€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 |
| 21 | Enhanced Low-Temperature Interfacial Gilbert Damping in Pt/YIG/Pt Trilayer Structures. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 2.1 | 6 |
| 22 | 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 |
| 23 | Synthesis and magnetic properties of highly dispersed tantalum carbide nanoparticles decorated on carbon spheres. CrystEngComm, 2016, 18, 1427-1438. | 2.6 | 4 |
| 24 | 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 |
| 25 | High critical field NbC superconductor on carbon spheres. Physical Chemistry Chemical Physics, 2016, 18, 15218-15222. | 2.8 | 3 |
| 26 | Parasitic Magnetism in Magnetoelectric Antiferromagnet. ACS Applied Materials & Interfaces, 2020, 12, 29971-29978. | 8.0 | 3 |
| 27 | 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 |
| 28 | Solvent Dependent Phase Transition between Two Polymorphic Phases of Manganeseâ€“Tungstate: From Rigid to Hollow Microsphere. Crystal Growth and Design, 2017, 17, 719-729. | 3.0 | 1 |
| 29 | Study on the Gilbert damping of polycrystalline YIG films with different capping layers. Current Applied Physics, 2020, 20, 167-171. | 2.4 | 1 |
| 30 | Room temperature magnetization dynamics of Y3Fe5O12 films capped with a Cr2O3 layer. Materials Letters, 2021, 299, 130088. | 2.6 | 0 |