# Srinath Sanyadanam

List of Publications by Year
in descending order



| 109 | 2,693 | 186265 | 197818 |
|---|---|---|---|
| papers | citations | 28 h-index | 49 g-index |

| 112 | 112 | 112 | 3475 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of progressive substitution of Lu by Ho on the structural and dielectric properties of nanocrystalline LuFeO3 orthoferrite. Materials Research Bulletin, 2022, 145, 111570. | 5.2 | 10 |
| 2 | Magnetic, dielectric and structural properties of nanocrystalline Lu1-xHoxFeO3 orthoferrite solid solutions. Journal of Alloys and Compounds, 2022, , 164145. | 5.5 | 0 |
| 3 | Robust perpendicular magnetic anisotropy in Ce substituted yttrium iron garnet epitaxial thin films. Journal of Applied Physics, 2022, 131, 203901. | 2.5 | 3 |
| 4 | Effect of site disorder on the resonant microwave absorption in Co2Fe0.5Ti0.5Si Heusler alloy thin films. Journal of Magnetism and Magnetic Materials, 2022, 559, 169519. | 2.3 | 6 |
| 5 | Lattice effects on the multiferroic characteristics of (La, Ho) co-substituted BiFeO3. Journal of Alloys and Compounds, 2021, 863, 158719. | 5.5 | 11 |
| 6 | Investigation of Structural, Ferroelectric, and Magnetic Properties of La-Doped LuFeO3 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1587-1591. | 1.8 | 14 |
| 7 | Study of gadolinium (gd) doped epitaxial yttrium iron garnet (YIG) thin films. AIP Conference Proceedings, 2020, , . | 0.4 | 3 |
| 8 | Magneto-optical Kerr microscopy investigation of magnetization reversal in Co2FeSi Heusler alloy thin films. AIP Advances, 2020, 10, 065017. | 1.3 | 4 |
| 9 | Magnetism and Charge Order in Nanocrystalline Orthorhombic SrFeO3-Î´. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1839-1844. | 1.8 | 0 |
| 10 | Structural and Magnetic properties of Room Temperature Multiferroic Lu0.9Ho0.1FeO3. International Journal of Innovative Research in Physics, 2020, 1, 37-41. | 0.2 | 0 |
| 11 | Uniaxial anisotropy, intrinsic and extrinsic damping in Co<sub>2</sub>FeSi Heusler alloy thin films. Journal Physics D: Applied Physics, 2019, 52, 325002. | 2.8 | 24 |
| 12 | Graphene-Wrapped MgO/Poly(vinyl alcohol) Composite Sheets: Dielectric and Electromagnetic Interference Shielding Properties at Elevated Temperatures. ACS Applied Materials & Interfaces, 2019, 11, 23714-23730. | 8.0 | 16 |
| 13 | Diffuson contribution to anomalous Hall effect in disordered Co2FeSi thin films. Journal of Magnetism and Magnetic Materials, 2019, 481, 194-202. | 2.3 | 9 |
| 14 | Effect of disorder on the anomalous Hall conductivity of Co2FeSi thin films. Journal of Magnetism and Magnetic Materials, 2018, 448, 371-377. | 2.3 | 11 |
| 15 | Effect of La doping on dielectric and magnetic properties of room temperature multiferroic LuFeO3. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 16 | Terahertz radiation and second-harmonic generation from a single-component polar organic ferroelectric crystal. Journal of Materials Chemistry C, 2018, 6, 9330-9335. | 5.5 | 28 |
| 17 | Magnetization and Neutron Diffraction Studies on Nanocrystalline Tetragonal SrFeO3â˜Î´. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3155-3159. | 1.8 | 2 |
| 18 | Large spontaneous exchange bias in a weak ferromagnet Pb6Ni9(TeO6)5. Scientific Reports, 2017, 7, 8300. | 3.3 | 9 |

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| 19 | Large anomalous Hall conductivity and Hall coefficient of Co2FeSi thin films. AIP Conference Proceedings, 2017, , . | 0.4 | 0 |
| 20 | Geometrical frustration in a new S = Â½ distorted check-board lattice PbCuTeO5. AIP Conference Proceedings, 2017, , . | 0.4 | 1 |
| 21 | Evidence for the absence of electron-electron Coulomb interaction quantum correction to the anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Heusler-alloy thin films. Physical Review B, 2017, 96, . | 3.2 | 22 |
| 22 | Synthesis, magnetic properties and electronic structure of theSâ€‰â€‰=â€‰â€‰Â½ uniform spin chain system InCuPO5. Materials Research Express, 2017, 4, 076103. | 1.6 | 1 |
| 23 | A comparative study on structural, dielectric and multiferroic properties of CaFe2O4/BaTiO3 core-shell and mixed composites. Journal of Alloys and Compounds, 2017, 691, 644-652. | 5.5 | 66 |
| 24 | Ferromagnetic resonance study of Co2FeSi thin films. AIP Conference Proceedings, 2016, , . | 0.4 | 1 |
| 25 | ZnO nanoparticles' decorated reduced-graphene oxide: Easy synthesis, unique polarization behavior, and ionic conductivity. Materials and Design, 2016, 110, 311-316. | 7.0 | 14 |
| 26 | Dangling ultrafine nano silica on graphene oxide to form hybrid nanocomposite: enhancement of dielectric properties. Materials Research Express, 2016, 3, 055019. | 1.6 | 8 |
| 27 | Correlation between structural, magnetic and transport properties of Co2FeSi thin films. Journal Physics D: Applied Physics, 2016, 49, 065007. | 2.8 | 11 |
| 28 | Role of (La, Gd) co-doping on the enhanced dielectric and magnetic properties of BiFeO3 ceramics. Ceramics International, 2016, 42, 4176-4184. | 4.8 | 57 |
| 29 | Non-Fermi liquid behavior of magnetization in Ni3Al nanoparticles. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 30 | The effect of (La, Ho) co-doping on the structure and magnetic properties BiFeO3. AIP Conference Proceedings, 2015, , . | 0.4 | 1 |
| 31 | Synthesis and magnetic properties of GdCrO3 nanoparticles. AIP Conference Proceedings, 2015, , . | 0.4 | 4 |
| 32 | Size dependence of magnetorheological properties of cobalt ferrite ferrofluid. AIP Conference Proceedings, 2015, , . | 0.4 | 2 |
| 33 | Magnetic irreversibility and magnetocrystalline anisotropy in nanocrystalline nickel. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 34 | Thickness induced crossover from the ferromagnetic to cluster spin glass state in Cr70Fe30 thin films. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 35 | Effect of substrate temperature on structure and magnetic properties of Co2FeSi/Si(001) thin films. AIP Conference Proceedings, 2015, , . | 0.4 | 1 |
| 36 | Synthesis and characterization of o-LuFeO3 magnetic nanoparticles. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |

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| 37 | Effect of Gd substitution on structure and magnetic properties of BiFeO<sub>3</sub>. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012082. | 0.6 | 6 |
| 38 | Strong interfacial polarization in ZnO decorated reduced-graphene oxide synthesized by molecular level mixing. Physical Chemistry Chemical Physics, 2015, 17, 17237-17245. | 2.8 | 37 |
| 39 | A new single/few-layered graphene oxide with a high dielectric constant of 10<sup>6</sup>: contribution of defects and functional groups. RSC Advances, 2015, 5, 14768-14779. | 3.6 | 72 |
| 40 | Effect of A-site ionic size variation on TCR and electrical transport properties of (Nd<sub>0.7-x</sub>La<sub>x</sub>)<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub>with0.1and0.2. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012047. | 0.6 | 3 |
| 41 | Effect of synthesis route on the multiferroic properties of BiFeO3: AÂcomparative study between solid state and solâ€“gel methods. Journal of Alloys and Compounds, 2015, 649, 843-850. | 5.5 | 64 |
| 42 | Hierarchical Mesoporous In<sub>2</sub>O<sub>3</sub> with Enhanced CO Sensing and Photocatalytic Performance: Distinct Morphologies of In(OH)<sub>3</sub> via Self Assembly Coupled in Situ Solidâ€“Solid Transformation. ACS Applied Materials & Interfaces, 2015, 7, 7679-7689. | 8.0 | 43 |
| 43 | Structural, Magnetic, and Electrical Properties of Microwave-Sintered Cr3+-Doped Sr Hexaferrites. Journal of Electronic Materials, 2015, 44, 524-531. | 2.2 | 27 |
| 44 | Improved magnetic properties of Cr3+ doped SrFe12O19 synthesized via microwave hydrothermal route. Materials Research Bulletin, 2015, 63, 58-66. | 5.2 | 150 |
| 45 | Synthesis and Characterization of CoFe<SUB>2</SUB>O<SUB>4</SUB>/Polyaniline Nanocomposites for Electromagnetic Interference Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 4371-4376. | 0.9 | 29 |
| 46 | Hydrothermal synthesis and magnetic properties of ErCrO4 nanoparticles. , 2014, , . | | 0 |
| 47 | Effect of synthesis route on the multiferroic properties of single phase BiFeO3. , 2014, , . | | 1 |
| 48 | Exchange bias effect in Ti doped nanocrystalline SrFeO3-Î´. AIP Advances, 2014, 4, . | 1.3 | 10 |
| 49 | Effect of Ho substitution on structure and magnetic properties of BiFeO3. Journal of Applied Physics, 2014, 115, . | 2.5 | 48 |
| 50 | Observation of negative magneto-resistance in SrFe1â^'xTixO3â^'Î´ (xâ€‰=â€‰0 to 0.3) systems. Journal of Applied Physics, 2014, 116, 093711. | 2.5 | 1 |
| 51 | Neutron diffraction studies and magnetism in Ti doped SrFeO3â^'Î´systems. Journal of Applied Physics, 2014, 115, 103904. | 2.5 | 4 |
| 52 | Effect of pH on structural and magnetic properties of nanocrystalline Y<sub>3</sub>Fe<sub>5</sub>O<sub>12</sub> by aqueous co-precipitation method. Materials Research Innovations, 2014, 18, 69-75. | 2.3 | 29 |
| 53 | SrFe0.9Ti0.1O3â^'Î´: A cluster spin glass. Materials Research Bulletin, 2014, 51, 332-335. | 5.2 | 6 |
| 54 | Effect of Gd3+ on dielectric and magnetic properties of Y3Fe5O12. Journal of Magnetism and Magnetic Materials, 2014, 349, 45-50. | 2.3 | 68 |

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| 55 | Exchange bias effect in Au-Fe<sub>3</sub>O<sub>4</sub>nanocomposites. Nanotechnology, 2014, 25, 055702. | 2.6 | 43 |
| 56 | Size Control and Magnetic Property Trends in Cobalt Ferrite Nanoparticles Synthesized Using an Aqueous Chemical Route. IEEE Transactions on Magnetics, 2014, 50, 1-8. | 2.1 | 16 |
| 57 | Large Magnetocaloric Effect, Moment, and Coercivity Enhancement after Coating Ni Nanoparticles with Ag. ChemPhysChem, 2014, 15, 1619-1623. | 2.1 | 6 |
| 58 | Dielectric and Magnetic Properties of NiFe2-xBixO4 Nanoparticles at Microwave Frequencies Prepared via co-precipitation Method. Procedia Engineering, 2014, 76, 1-7. | 1.2 | 8 |
| 59 | Study of structure and magnetic properties of rare earth doped BiFeO3. Physica B: Condensed Matter, 2014, 448, 281-284. | 2.7 | 24 |
| 60 | Hierarchical In(OH)<sub>3</sub> as a Precursor to Mesoporous In<sub>2</sub>O<sub>3</sub> Nanocubes: A Facile Synthesis Route, Mechanism of Self-Assembly, and Enhanced Sensing Response toward Hydrogen. Journal of Physical Chemistry C, 2014, 118, 6909-6921. | 3.1 | 89 |
| 61 | Effect of thickness on structure, microstructure, residual stress and soft magnetic properties of DC sputtered Fe65Co35 soft magnetic thin films. Journal of Magnetism and Magnetic Materials, 2014, 365, 93-99. | 2.3 | 44 |
| 62 | Multiferroic properties of microwave sintered BaTiO3â€“SrFe12O19 composites. Physica B: Condensed Matter, 2014, 448, 323-326. | 2.7 | 33 |
| 63 | A Comprative Study Of Sol-gel And Solid-state Prepared La3+ Doped Multiferroic BiFeO3. Advanced Materials Letters, 2014, 5, 127-130. | 0.6 | 13 |
| 64 | The effect of Sb on the electrical and magnetic properties of Ni-Zn ferrites prepared by solâ€“gel autocombustion method. Journal of Electroceramics, 2013, 31, 168-175. | 2.0 | 17 |
| 65 | Structural and MÃ¶ssbauer Investigation of Nanocrystalline <scp><scp>SrFe</scp></scp><sub>1â^'x</sub><scp><scp>Ti</scp></scp><sub>x</sub><scp><scp>O</scp></scp><sub>19</sub> Journal of the American Ceramic Society, 2013, 96, 2973-2978. | 2.0 | 15 |
| 66 | Positive temperature coefficient of resistance of tetragonal Ti4+ doped nano SrFeO3â^Î´. Journal of Alloys and Compounds, 2013, 561, 174-179. | 5.5 | 11 |
| 67 | Effect of TiO2 on electrical and magnetic properties of Ni0.35Cu0.12Zn0.35Fe2O4 synthesized by the microwaveâ€“hydrothermal method. Journal of Physics and Chemistry of Solids, 2013, 74, 1329-1335. | 4.0 | 21 |
| 68 | Effect of La substitution on structure and magnetic properties of sol-gel prepared BiFeO3. Journal of Applied Physics, 2013, 113, . | 2.5 | 91 |
| 69 | Observation of high magnetic moment in the Ho doped BiFeO[sub 3] ceramics. , 2013, , . | | 1 |
| 70 | Observation of high coercivity in multiferroic lanthanum doped BiFeO3. Journal of Alloys and Compounds, 2013, 554, 271-276. | 5.5 | 66 |
| 71 | Crystal Structure and Enhanced Dielectric, Magnetic Properties of Gd Doped BiFeO<SUB>3</SUB> Ceramics. Materials Focus, 2013, 2, 201-208. | 0.4 | 7 |
| 72 | Influence of Nd Substitution by La in on Structural and Transport Properties for Sensing Applications. ISRN Materials Science, 2013, 2013, 1-10. | 1.0 | 6 |

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| 73 | Effect of microwave sintering on grain size and dielectric properties of barium titanate. Turkish Journal of Physics, 2013, 37, 312-321. | 1.1 | 15 |
| 74 | Structural refinement and observation of enhanced magnetic properties of La doped BiFeO[sub 3]. , 2013, , . | | 0 |
| 75 | Moì^ssbauer effect in tetragonal SrFeO3-Î´. , 2012, , . | | 0 |
| 76 | Structural and magnetic properties of nanocrystalline Y3Fe5O12 using co-precipitation method. AIP Conference Proceedings, 2012, , . | 0.4 | 5 |
| 77 | Investigation Of Multiferroic Properties Of Pure And La Doped Bismuth Ferrite. , 2011, , . | | 0 |
| 78 | Investigation of magnetic anisotropy in Co nanoparticles using ferromagnetic resonance technique. Journal of Physics: Conference Series, 2010, 200, 072088. | 0.4 | 2 |
| 79 | Magnetic and ferroelectric properties of Fe doped SrTiO<sub>3-Î´</sub>films. Journal of Physics: Conference Series, 2010, 200, 092010. | 0.4 | 14 |
| 80 | Magnetization And ESR Study Of SrFeO[sub 3-Î´] Systems. , 2010, , . | | 0 |
| 81 | Field dependence of the magnetocaloric effect in core-shell nanoparticles. Journal of Applied Physics, 2010, 107, . | 2.5 | 58 |
| 82 | Interparticle interactions in coupled Auâ€“Fe3O4 nanoparticles. Journal of Applied Physics, 2009, 105, 07B502. | 2.5 | 41 |
| 83 | Preparation of Nearly Monodisperse Nickel Nanoparticles by a Facile Solution Based Methodology and Their Ordered Assemblies. Journal of Physical Chemistry C, 2009, 113, 3426-3429. | 3.1 | 54 |
| 84 | Static and Dynamic Magnetic Properties of Co Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 4086-4091. | 0.9 | 1 |
| 85 | Magnetic Transition and Large Magnetocaloric Effect Associated with Surface Spin Disorder in Co and Co<sub>core</sub>Ag<sub>shell</sub> Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 14060-14066. | 3.1 | 52 |
| 86 | Static and Dynamic Magnetic Properties of Composite Au-Fe$_{3}$O$_4$Nanoparticles. IEEE Transactions on Magnetics, 2007, 43, 3094-3096. | 2.1 | 19 |
| 87 | Giant magnetocaloric effect in clathrates. Journal of Applied Physics, 2006, 99, 08K902. | 2.5 | 19 |
| 88 | Magnetization in insulating phases of Ti4+-doped SrFeO3â^'Î´. Journal of Applied Physics, 2006, 99, 08S904. | 2.5 | 20 |
| 89 | Magnetocaloric effect in ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2006, 307, 227-231. | 2.3 | 132 |
| 90 | Superparamagnetic Polymer Nanocomposites with Uniform Fe3O4 Nanoparticle Dispersions. Advanced Functional Materials, 2006, 16, 71-75. | 14.9 | 270 |

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| 91 | Exchange Bias in CrO<sub>2</sub>/Cr<sub>2</sub>O<sub>3</sub> Bilayer Thin Films. Advances in Science and Technology, 2006, 45, 2528-2533. | 0.2 | 1 |
| 92 | Magnetic Anisotropy and Magnetocaloric Effect (MCE) in NiFe2O4 Nanoparticles. Materials Research Society Symposia Proceedings, 2006, 962, 1. | 0.1 | 1 |
| 93 | Magnetic anisotropy in epitaxialCrO2andCrO2âˆ•Cr2O3bilayer thin films. Physical Review B, 2006, 74, . | 3.2 | 40 |
| 94 | Growth and magnetic properties of epitaxial Au/Fe/Au and Ag/Fe/Au films on Î±-Al2O3. Journal of Magnetism and Magnetic Materials, 2005, 286, 432-436. | 2.3 | 1 |
| 95 | Microstructure and magnetism in barium strontium titanate (BSTO)â€“barium hexaferrite (BaM) multilayers. Materials Research Bulletin, 2005, 40, 1286-1293. | 5.2 | 13 |
| 96 | Growth and characterization of sputtered BSTOâˆ•BaM multilayers. Journal of Applied Physics, 2005, 97, 10J115. | 2.5 | 15 |
| 97 | Magnetization and magnetoresistance in insulating phases ofSrFeO3âˆ¼Î´. Physical Review B, 2005, 72, . | 3.2 | 45 |
| 98 | Observation of a New Magnetic Anomaly below the Ferromagnetic Curie Temperature inYb14MnSb11. Physical Review Letters, 2005, 95, 227205. | 7.8 | 6 |
| 99 | Probing Magnetic Anisotropy and Spin Polarization in Spintronic Materials. IEEE Nanotechnology Magazine, 2005, 4, 59-64. | 2.0 | 7 |
| 100 | Magnetization processes in exchange-biased MnPdâˆ•Fe bilayers studied by polarized neutron reflectivity. Journal of Applied Physics, 2004, 96, 6523-6526. | 2.5 | 11 |
| 101 | Magnetization reversal in an obliquely oriented metal evaporated tape. Journal of Magnetism and Magnetic Materials, 2004, 279, 440-447. | 2.3 | 1 |
| 102 | Magnon-fracton crossover in quenched random site-diluted ferromagnets. Physical Review B, 2001, 63, . | 3.2 | 6 |
| 103 | Evidence for dipolar effects in re-entrant amorphous ferromagnets. Europhysics Letters, 2000, 51, 441-446. | 2.0 | 7 |
| 104 | Isotropic-Heisenberg to isotropic-dipolar crossover in amorphous ferromagnets with composition near the percolation threshold. Physical Review B, 2000, 62, 11649-11660. | 3.2 | 35 |
| 105 | Gadolinium: A helical antiferromagnet or a collinear ferromagnet. Physical Review B, 2000, 62, 1114-1117. | 3.2 | 43 |
| 106 | Observation of isotropic dipolar to uniaxial dipolar crossover in gadolinium. Physical Review B, 1999, 59, 1145-1151. | 3.2 | 37 |
| 107 | Static universality class for gadolinium. Physical Review B, 1999, 60, 12166-12176. | 3.2 | 33 |
| 108 | Spontaneous magnetic moment in BiFeO3â€“BaTiO3 solid solutions at low temperatures. Journal of Magnetism and Magnetic Materials, 1998, 188, 203-212. | 2.3 | 217 |

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| 109 | Irreversibility lines in theH-Tphase diagram of re-entrant amorphous ferromagnets. Journal of Physics Condensed Matter, 1998, 10, 11067-11080. | 1.8 | 24 |