

# Sujeet Chaudhary

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190  
papers

2,470  
citations

25  
h-index

37  
g-index

218  
ext. papers

2,809  
ext. citations

3.2  
avg, IF

5.28  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 190 | Observation of uniaxial magnetic anisotropy and out-of-plane coercivity in W/Co <sub>20</sub> Fe <sub>60</sub> B <sub>20</sub> /W structures with high thermal stability. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 895, 162600               | 5.7  | 0         |
| 189 | Influence of annealing temperature and capping layer on the structural, magnetic and transport properties of ion beam sputtered Co <sub>2</sub> FeAl thin films on Si (1 0 0). <i>Applied Surface Science</i> , <b>2022</b> , 572, 151423                  | 6.7  | 7         |
| 188 | Effect of stoichiometry and film thickness on the structural and magnetization dynamics behavior of Co <sub>2</sub> MnAl thin films cosputtered on Si(1 0 0). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 552, 169246               | 2.8  | 3         |
| 187 | Large exchange bias and spin pumping in ultrathin IrMn/Co system for spintronic device applications. <i>Applied Surface Science</i> , <b>2022</b> , 588, 152914  | 6.7  | 1         |
| 186 | Effect of Bismuth doping and SiC nanodispersion on the Thermoelectric Properties of Solution-Processed PbTe. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165390   | 5.7  | 0         |
| 185 | Investigation of spin gapless semiconducting behaviour in quaternary CoFeMnSi Heusler alloy thin films on Si (1 0 0). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 168837  | 2.8  | 2         |
| 184 | Impact of ferromagnetic layer thickness on the spin pumping in Co <sub>60</sub> Fe <sub>20</sub> B <sub>20</sub> /Ta bilayer thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 12453-12465                     | 2.1  | 6         |
| 183 | Enhancing thermoelectric properties of p-type CoSb <sub>3</sub> skutterudite by Fe doping. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 127, 105721  | 4.3  | 2         |
| 182 | Probing Charge Density Wave Effects in 1T-TaS <sub>2</sub> Monolayer/Ni <sub>81</sub> Fe <sub>19</sub> Heterostructure: A Spin Dynamics Approach. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3321-3328                                     | 4    | 1         |
| 181 | Large Damping-like Spin Orbit Torque and Improved Device Performance Utilizing Mixed-Phase Ta. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3139-3146  | 4    | 5         |
| 180 | Thermoelectric properties of Spark plasma sintered PbTe synthesized without any surfactant and organic solvent. <i>Materials Research Express</i> , <b>2021</b> , 8, 075004  | 1.7  | 0         |
| 179 | Spin gapless semiconducting behavior in inverse Heusler Mn <sub>2</sub> -Co <sub>1</sub> +Al (001.75) thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 518, 167404   | 2.8  | 6         |
| 178 | Comparison of high temperature growth versus post-deposition in situ annealing in attaining very low Gilbert damping in sputtered Co <sub>2</sub> FeAl Heusler alloy films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 519, 167509 | 2.8  | 11        |
| 177 | Temperature-Dependent Magnetoresistance in Polycrystalline Ni <sub>81</sub> Fe <sub>19</sub> Thin Film on Si (100). <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2021</b> , 34, 845-850  | 1.5  | 1         |
| 176 | Propagation properties of spin wave in Co <sub>2</sub> FeAl Heusler alloy ultrathin films. <i>Materials Research Express</i> , <b>2021</b> , 8, 086101   | 1.7  |           |
| 175 | Revisiting the thermoelectric properties of lead telluride. <i>Materials Today Energy</i> , <b>2021</b> , 21, 100713   | 7    | 13        |
| 174 | Emergence of spin orbit torques in 2D transition metal dichalcogenides: A status update. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 041312  | 17.3 | 18        |

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|-----|--|------|----|
| 173 | Direct measurement of interfacial Dzyaloshinskii-Moriya interaction at the MoS <sub>2</sub> /Ni <sub>80</sub> Fe <sub>20</sub> interface. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 232405   | 3.4  | 9  |
| 172 | CdSe thin films prepared by electrochemical deposition: The effect of deposition potential <b>2020</b> ,   |      | 1  |
| 171 | Structural and magneto-transport properties of co-sputtered MnAl thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 503, 166654  | 2.8  | 1  |
| 170 | Large Damping-Like Spin-Orbit Torque in a 2D Conductive 1T-TaS Monolayer. <i>Nano Letters</i> , <b>2020</b> , 20, 6372-6380  | 11.5 | 17 |
| 169 | Design, fabrication and calibration of low cost thermopower measurement set up in low- to mid-temperature range. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 150, 107054  | 4.6  | 1  |
| 168 | Observation of Skyrmions at Room Temperature in CoFeAl Heusler Alloy Ultrathin Film Heterostructures. <i>Scientific Reports</i> , <b>2019</b> , 9, 1085  | 4.9  | 16 |
| 167 | Dependence of spin pumping in W/CoFeB heterostructures on the structural phase of tungsten. <i>Physical Review B</i> , <b>2019</b> , 99,   | 3.3  | 16 |
| 166 | Influence of annealing on spin pumping in sputtered deposited Co/Pt bilayer thin films. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 570, 254-258  | 2.8  | 1  |
| 165 | Tunable magnetic anisotropy in obliquely sputtered Co <sub>60</sub> Fe <sub>40</sub> thin films on Si(100). <i>Physica B: Condensed Matter</i> , <b>2019</b> , 570, 1-5  | 2.8  | 5  |
| 164 | Multi-jump magnetization switching in Co <sub>2</sub> FeAl full Heusler alloy thin films: Experiments and simulations. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 486, 165258  | 2.8  | 10 |
| 163 | Site-specific growth of oriented ZnO nanocrystal arrays. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 274-280  | 3    | 1  |
| 162 | Spin pumping and spin torques in interfacially tailored Co <sub>2</sub> FeAl/ETa layers. <i>Physical Review B</i> , <b>2019</b> , 100,   | 3.3  | 12 |
| 161 | Direct observation of unusual interfacial Dzyaloshinskii-Moriya interaction in graphene/NiFe/Ta heterostructures. <i>Physical Review B</i> , <b>2019</b> , 99,   | 3.3  | 16 |
| 160 | Growth dependent magnetization reversal in Co <sub>2</sub> MnAl full Heusler alloy thin films. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 053901   | 2.5  | 11 |
| 159 | Spin pumping in ion-beam sputtered Co <sub>2</sub> FeAl/Mo bilayers: Interfacial Gilbert damping. <i>Physical Review B</i> , <b>2018</b> , 97,   | 3.3  | 19 |
| 158 | Thickness-dependent enhancement of damping in Co <sub>2</sub> FeAl/ETa thin films. <i>Physical Review B</i> , <b>2018</b> , 97,  | 3.3  | 23 |
| 157 | Effect of 2D MoS <sub>2</sub> and Graphene interfaces with CoSb <sub>3</sub> nanoparticles in enhancing thermoelectric properties of 2D MoS <sub>2</sub> -CoSb <sub>3</sub> and Graphene-CoSb <sub>3</sub> nanocomposites. <i>Ceramics International</i> , <b>2018</b> , 44, 10628-10634 | 5.1  | 14 |
| 156 | Thickness dependence of magnetic anisotropy and damping in sputter deposited CoFeB thin films <b>2018</b> ,  |      | 1  |

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|-----|---|-----|----|
| 155 | Magneto-optical properties of CoFeB ultrathin films: Effect of Ta buffer and capping layer <b>2018</b> ,  |     | 1  |
| 154 | Structural and optical properties of nanostructured CdSe thin films prepared by electrochemical deposition <b>2018</b> ,  |     | 2  |
| 153 | Zincblende to Wurtzite phase shift of CdSe thin films prepared by electrochemical deposition <b>2018</b> ,  |     | 1  |
| 152 | Self-Assembled Vertically Aligned Hetero-Epitaxial ZnO/CdS Core/Shell Array by all CBD Process: Platform for Enhanced Visible-Light-Driven PEC Performance. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14408-14419   | 3.8 | 13 |
| 151 | Effect of in situ electric-field-assisted growth on antiphase boundaries in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films on MgO. <i>Physical Review Materials</i> , <b>2018</b> , 2,   | 3.2 | 3  |
| 150 | Incorporation of MoS <sub>2</sub> nanosheets in CoSb <sub>3</sub> matrix as an efficient novel strategy to enhance its thermoelectric performance. <i>Applied Surface Science</i> , <b>2018</b> , 435, 1265-1272  | 6.7 | 17 |
| 149 | Temperature dependent charge transport mechanisms in highly crystalline p-PbS cubic nanocrystals grown by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 75, 301-310  | 4.3 | 19 |
| 148 | Design, development, and testing of a thermopower measurement system by studying the electron transport properties on indium and nitrogen co-doped sputtered ZnO films. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2018</b> , 117, 49-56 | 4.6 | 3  |
| 147 | Effect of oxygen partial pressure on the density of antiphase boundaries in Fe <sub>3</sub> O <sub>4</sub> thin films on Si(100). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 448, 303-309   | 2.8 | 7  |
| 146 | Spin pumping in the Heusler alloy Co <sub>2</sub> FeAl/MoS <sub>2</sub> heterostructure: Ferromagnetic resonance experiment and theory. <i>Physical Review B</i> , <b>2018</b> , 98,  | 3.3 | 17 |
| 145 | Large Spin Hall Angle in $\bar{1}11$ Thin Films Grown on CoFeB without Oxygen Plasma. <i>Spin</i> , <b>2018</b> , 08, 1850018   | 1.3 | 9  |
| 144 | Influence of the thickness of an antiferromagnetic IrMn layer on the static and dynamic magnetization of weakly coupled CoFeB/IrMn/CoFeB trilayers. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 2198-2208   | 3   | 2  |
| 143 | Large spin current generation by the spin Hall effect in mixed crystalline phase Ta thin films. <i>Physical Review B</i> , <b>2018</b> , 98,  | 3.3 | 28 |
| 142 | Interplay of composition and anisotropy on evolution of microstructural, static and dynamic magnetic properties of CoFeB thin films on annealing. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 763, 728-735   | 5.7 | 6  |
| 141 | Electronic structure of magnetic Fe/MgO/Fe/Co multilayer structure by NEXAFS spectroscopy. <i>Vacuum</i> , <b>2017</b> , 138, 48-54   | 3.7 | 11 |
| 140 | Deposition potential controlled structural and thermoelectric behavior of electrodeposited CoSb <sub>3</sub> thin films. <i>RSC Advances</i> , <b>2017</b> , 7, 20336-20344   | 3.7 | 13 |
| 139 | Two magnon scattering and anti-damping behavior in a two-dimensional epitaxial TiN/Py(tPy)/ $\bar{1}11$ Ta(tTa) system. <i>RSC Advances</i> , <b>2017</b> , 7, 8106-8117  | 3.7 | 16 |
| 138 | Highly crystalline p-PbS thin films with tunable optical and hole transport parameters by chemical bath deposition. <i>Acta Materialia</i> , <b>2017</b> , 131, 11-21   | 8.4 | 30 |

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| 137 | Enhanced photoelectrochemical response for hydrogen generation in self-assembled aligned ZnO/PbS core/shell nanorod arrays grown by chemical bath deposition. <i>Materials Today Energy</i> , <b>2017</b> , 6, 105-114   | 7   | 23 |
| 136 | Anisotropic magnetic damping studies in $\text{Ta}/2\text{D}$ -epitaxial-Py bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 444, 256-262  | 2.8 | 3  |
| 135 | Capping Layer (CL) Induced Antidamping in CL/Py/ $\text{Ta}$ System (CL: Al, $\text{Ta}$ , Cu, $\text{W}$ ). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31005-31017  | 9.5 | 8  |
| 134 | Antidamping spin-orbit torques in epitaxial-Py(100)/ $\text{Ta}$ . <i>Applied Physics Letters</i> , <b>2017</b> , 111, 232407  | 3.4 | 13 |
| 133 | Anomalous Hall effect in ion-beam sputtered $\text{Co}_2\text{FeAl}$ full Heusler alloy thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 442, 288-294  | 2.8 | 14 |
| 132 | Temperature-dependent Gilbert damping of $\text{Co}_2\text{FeAl}$ thin films with different degree of atomic order. <i>Physical Review B</i> , <b>2017</b> , 96,   | 3.3 | 31 |
| 131 | Growth of $\text{Co}_2\text{FeAl}$ Heusler alloy thin films on Si(100) having very small Gilbert damping by ion beam sputtering. <i>Scientific Reports</i> , <b>2016</b> , 6, 28692  | 4.9 | 52 |
| 130 | Anti-phase boundary free two-dimensional epitaxial $\text{Fe}_3\text{O}_4$ thin films: evidence of an unquenched orbital magnetic moment at room temperature. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9942-9946                                   | 7.1 | 2  |
| 129 | Anomalous anti-damping in sputtered $\text{Ta}/\text{Py}$ bilayer system. <i>Scientific Reports</i> , <b>2016</b> , 6, 19488   | 4.9 | 33 |
| 128 | Structural and magnetic properties of ion beam sputtered $\text{Co}_2\text{FeAl}$ full Heusler alloy thin films <b>2016</b> ,  |     | 3  |
| 127 | High conductivity indium doped ZnO films by metal target reactive co-sputtering. <i>Acta Materialia</i> , <b>2016</b> , 111, 1-9   | 8.4 | 33 |
| 126 | Effect of bath temperature on structure, morphology and thermoelectric properties of $\text{CoSb}_3$ thin films <b>2016</b> ,  |     | 1  |
| 125 | Structural and optical properties of nano-structured CdS thin films prepared by chemical bath deposition <b>2016</b> ,   |     | 2  |
| 124 | Orbital moment probed spin orbit coupling effects on anisotropy and damping in $\text{CoFeB}$ thin films. <i>RSC Advances</i> , <b>2016</b> , 6, 94717-94722   | 3.7 | 11 |
| 123 | Interactions controlled evolution of complex magnetoresistance in as-deposited $\text{Ag}_{100-x}\text{Co}_x$ nanogranular films with perpendicular magnetic anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 394, 245-252             | 2.8 | 4  |
| 122 | Interfacial Charge Induced Magnetoelectric Coupling at $\text{BiFeO}_3/\text{BaTiO}_3$ Bilayer Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8472-9  | 9.5 | 50 |
| 121 | Study of angular dependence of exchange bias and misalignment in uniaxial and unidirectional anisotropy in $\text{NiFe}(111)/\text{FeMn}(111)/\text{CoFeB}(\text{amorphous})$ stack. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 385, 166-174 | 2.8 | 5  |
| 120 | Magnetoelectric dipole interaction in RF-magnetron sputtered (1 $\times$ ) $\text{BiFeO}_3/\text{BaTiO}_3$ thin films. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 115-120   | 5.7 | 17 |

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| 119 | Effect of growth temperature on structural, magnetic, and transport properties of Co <sub>2</sub> Cr <sub>0.6</sub> Fe <sub>0.4</sub> Al Heusler alloy sputtered thin films. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 083911                    | 2.5 | 4  |
| 118 | Perpendicular magnetic anisotropy and complex magnetotransport behavior of cobalt nanoparticles in silver matrix. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C752   | 2.5 | 5  |
| 117 | Giant magnetoelectric coupling interaction in BaTiO <sub>3</sub> /BiFeO <sub>3</sub> /BaTiO <sub>3</sub> trilayer multiferroic heterostructures. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 082908   | 3.4 | 35 |
| 116 | Effect of growth temperature on the electronic transport and anomalous Hall effect response in co-sputtered Co <sub>2</sub> FeSi thin films. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 193902  | 2.5 | 5  |
| 115 | Effect of Ru thickness on spin pumping in Ru/Py bilayer. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A714  | 2.5 | 15 |
| 114 | Enhancement of exchange bias and training effect in ion-beam sputtered Fe <sub>46</sub> Mn <sub>54</sub> /Ni <sub>81</sub> Fe <sub>19</sub> bilayers. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 043910   | 2.5 | 8  |
| 113 | Surface scattering dominated magnetotransport for improved quantitative estimation of particle size in Ag <sub>100</sub> Co <sub>x</sub> nanogranular films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 370, 127-133                  | 2.8 | 8  |
| 112 | Structural and dynamical magnetic response of co-sputtered Co <sub>2</sub> FeAl heusler alloy thin films grown at different substrate temperatures. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 133916   | 2.5 | 15 |
| 111 | Magnetization dynamics and interface studies in ion-beam sputtered Si/CoFeB(8)/MgO(4)/CoFeB(8)/Ta(5) structures. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D127  | 2.5 | 5  |
| 110 | Inelastic tunneling conductance and magnetoresistance investigations in dual ion-beam sputtered CoFeB(110)/MgO/CoFeB (110) magnetic tunnel junctions. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 153903   | 2.5 | 3  |
| 109 | Evidence of electron-phonon and spin-phonon couplings at the Verwey transition in Fe <sub>3</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,   | 3.3 | 15 |
| 108 | Effect of annealing on the temperature dependence of inelastic tunneling contributions vis-à-vis tunneling magnetoresistance and barrier parameters in CoFe/MgO/NiFe magnetic tunnel junctions. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 083904 | 2.5 | 4  |
| 107 | On the temperature dependence of mobility in hydrogenated indium-doped ZnO thin films. <i>Acta Materialia</i> , <b>2014</b> , 77, 125-132   | 8.4 | 15 |
| 106 | Magnetic, Electronic Structure And Interface Study Of Fe/MgO/Fe Multilayer. <i>Advanced Materials Letters</i> , <b>2014</b> , 5, 372-377  | 2.4 | 17 |
| 105 | Magneto-Resistance Investigations on the In-situ Synthesized Stainless Steel Sheathed MgB <sub>2</sub> Tapes. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 2375-2381   | 1.5 | 5  |
| 104 | Multi-jump magnetic switching in ion-beam sputtered amorphous Co <sub>20</sub> Fe <sub>60</sub> B <sub>20</sub> thin films. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 053911   | 2.5 | 6  |
| 103 | Manifestations in the magnetization of the hcp-Co nanowires due to interdependence of aspect ratio and c-axis orientation. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 043909  | 2.5 | 3  |
| 102 | Magnetization reversal studies in structurally tailored cobalt nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 344, 72-78   | 2.8 | 12 |



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|-----|---|-----|----|
| 101 | Magnetoelectric coupling-induced anisotropy in multiferroic nanocomposite (1-x)BiFeO <sub>3</sub> /BaTiO <sub>3</sub> . <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1   | 2.3 | 21 |
| 100 | Magnetic annealing of the ion-beam sputtered IrMn/CoFeB bilayers [positive exchange bias and coercivity behaviour. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1   | 1.2 | 7  |
| 99  | Effect of interface on magnetic properties of Co <sub>20</sub> Fe <sub>60</sub> B <sub>20</sub> in ion-beam sputtered Si/CoFeB/MgO and Si/MgO/CoFeB bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 332, 109-113 | 2.8 | 7  |
| 98  | Structural, electronic, and magnetic behavior of two dimensional epitaxial Fe <sub>3</sub> O <sub>4</sub> /TiN/Si(100) system. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 152406   | 3.4 | 16 |
| 97  | Hydrogen incorporation induced metal-semiconductor transition in ZnO:H thin films sputtered at room temperature. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 172106   | 3.4 | 29 |
| 96  | Magnetic, structural, electronic, and optical investigations of Ti <sub>1-x</sub> MnxO <sub>2</sub> films. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 529-534   | 2.5 |    |
| 95  | Biaxial anisotropy driven asymmetric kinked magnetization reversal in exchange-biased IrMn/NiFe bilayers. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 052405  | 3.4 | 6  |
| 94  | Evolution of particle size and interparticle magnetic interactions with thickness in co-sputtered Cu <sub>79</sub> Co <sub>21</sub> nanogranular thin films. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 023908                    | 2.5 | 6  |
| 93  | Influence of strong anisotropy of CoFe layer on the reversal asymmetry and training effect in Ir <sub>22</sub> Mn <sub>78</sub> /Co <sub>60</sub> Fe <sub>40</sub> bilayers. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 043914    | 2.5 | 6  |
| 92  | On the Fluctuation Induced Excess Conductivity in Stainless Steel Sheathed MgB <sub>2</sub> Tapes. <i>Journal of Materials</i> , <b>2013</b> , 2013, 1-6  |     | 5  |
| 91  | Transition in spin dependent transport from superparamagnetic-superparamagnetic to superparamagnetic-ferromagnetic in sputtered Cu <sub>100-x</sub> Cox granular films. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 083924         | 2.5 | 6  |
| 90  | X-ray photoelectron spectroscopy and conducting atomic force microscopy investigations on dual ion beam sputtered MgO ultrathin films. <i>Thin Solid Films</i> , <b>2012</b> , 520, 6734-6739   | 2.2 | 10 |
| 89  | Effect of MgO spacer and annealing on interface and magnetic properties of ion beam sputtered NiFe/Mg/MgO/CoFe layer structures. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 063906  | 2.5 | 6  |
| 88  | In-plane magnetic anisotropy and coercive field dependence upon thickness of CoFeB. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3118-3121   | 2.8 | 32 |
| 87  | Tunneling behavior in ion-assist ion-beam sputtered CoFe/MgO/NiFe magnetic tunnel junctions. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 3786-3790   | 5.1 | 6  |
| 86  | Reduction in anti-ferromagnetic interactions in ion-beam deposited Fe <sub>3</sub> O <sub>4</sub> thin films. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 073901   | 2.5 | 16 |
| 85  | Texture Changes in Electrodeposited Cobalt Nanowires with Bath Temperature. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, D713-D716  | 3.9 | 13 |
| 84  | Magnetization in MgO based multilayers fabricated by e-beam evaporation <b>2012</b> ,   |     | 5  |

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|----|--|-----|----|
| 83 | Electric field assisted sputtering of Fe <sub>3</sub> O <sub>4</sub> thin films and reduction in anti-phase boundaries. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 073909  | 2.5 | 19 |
| 82 | Tailoring the Hysteresis Loop of the Si/Cu(10nm)/FeMn(10-30nm)/CoFeB(10nm) Bilayer System. <i>Advanced Materials Research</i> , <b>2012</b> , 622-623, 695-699   | 0.5 |    |
| 81 | Interdependence of reversal asymmetry and training effect in Ir <sub>22</sub> Mn <sub>78</sub> /Ni <sub>81</sub> Fe <sub>19</sub> bilayers probed with magnetoresistance. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 142408 | 3.4 | 18 |
| 80 | Positive Exchange Bias in Ion-Beam Sputtered IrMn/CoFeB System Grown on CoFe Seed Layer. <i>Nanoscience and Nanotechnology Letters</i> , <b>2012</b> , 4, 651-655  | 0.8 | 3  |
| 79 | Room temperature ferromagnetism in Mn doped TiO <sub>2</sub> thin films: Electronic structure and Raman investigations. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 083905  | 2.5 | 80 |
| 78 | DC magnetization investigations in Ti <sub>1-x</sub> Mn <sub>x</sub> O <sub>2</sub> nanocrystalline powder. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 7434-7438  | 5.7 | 8  |
| 77 | Room temperature ferromagnetism in Co-incorporated TiO <sub>2</sub> thin films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 2743-6  | 1.3 |    |
| 76 | Synthesis and Investigation of Electrodeposited Half-Metallic Fe <sub>3</sub> O <sub>4</sub> Thin Films and Nanowires. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2011</b> , 24, 845-849                           | 1.5 | 4  |
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