

# Mukul Gupta

## List of Publications by Year in descending order

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295  
papers

3,102  
citations

172457

29  
h-index

302126

39  
g-index

297  
all docs

297  
docs citations

297  
times ranked

2871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Qualitative Analysis of the Valence and Conduction Band Offset Parameters in FeNiO/CuNiO Bilayer Film Using X-ray Photoelectron Spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, 2100132.	1.5	1
2	Thickness dependent structural and magnetic properties investigation of Co film interfaced with Hf. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
3	Investigating the effect of thickness on the structural and magnetic properties of carbon thin film. <i>Carbon</i> , 2022, 191, 205-214.	10.3	4
4	Effect of substrate and Fe/Rh stoichiometry on first order antiferromagnetic-ferromagnetic transition in FeRh thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 551, 169095.	2.3	2
5	Electronic structure modification in Fe-substituted $\text{Ga}_2\text{O}_3$ from resonant photoemission and soft x-ray absorption spectroscopies. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 185304.	2.8	1
6	Effect of Ag layer thickness on optical and electrical properties of ion-beam-sputtered $\text{TiO}_2/\text{Ag}/\text{TiO}_2$ multilayer thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6942-6953.	2.2	10
7	Interface morphology driven exchange interaction and magnetization reversal in a Gd/Co multilayer. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6580-6589.	2.8	3
8	Detailed study of reactively sputtered ScN thin films at room temperature. <i>Materialia</i> , 2022, 22, 101375.	2.7	5
9	Stabilizing effects of Ag doping on structure and thermal stability of FeN thin films. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 115702.	1.8	1
10	Study of Fe-C phase formulations through Fe self-diffusion during thin film growth. <i>Applied Surface Science</i> , 2022, , 153611.	6.1	0
11	Structural and magnetic asymmetry at the interfaces of MgO/FeCoB/MgO trilayer: Precise study under x-ray standing wave conditions. <i>Journal of Applied Physics</i> , 2022, 131, 235301.	2.5	2
12	XANES and XRR study on phase evolution of $\text{TiO}_2$ films developed using HiPIMS. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 283, 115827.	3.5	1
13	Thermal stability of the magnetic moment in amorphous carbon thin film - An experimental and ab-initio study. <i>Diamond and Related Materials</i> , 2022, 127, 109200.	3.9	0
14	Synthesis and characterization of $\text{Co}_{0.4}\text{Fe}_{0.6}$ thin film alloy. <i>Materials Today: Proceedings</i> , 2021, 35, 82-85.	1.8	0
15	Formation of an intermetallic GdCo <sub>2</sub> alloy on controlled annealing of a Gd/Co multilayer. <i>Materials Letters</i> , 2021, 283, 128879.	2.6	3
16	Anomalous Behavior of Magnetic Anisotropy of Amorphous $\text{Co}_{40}\text{Fe}_{43}\text{B}_{17}$ Thin Film Sandwiched Between Mo Layers. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-5.	2.1	4
17	Evaluating the role of composition and local structure on alkali out-diffusion in glasses for thin-film solar cells. <i>Journal of the American Ceramic Society</i> , 2021, 104, 851-859.	3.8	4
18	Study of reactively sputtered nickel nitride thin films. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156299.	5.5	10

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19	N concentration effects on structure and superconductivity of NbN thin films. Journal of Alloys and Compounds, 2021, 851, 155925.	5.5	19
20	Thickness dependent magnetic properties of ferromagnetic films (Fe, Co) interfaced with Ta. Thin Solid Films, 2021, 719, 138490.	1.8	4
21	Study of magnetic zigzag domain walls and magnetization reversal process in polycrystalline cobalt thin films: Effect of thickness and crystallographic texturing. Thin Solid Films, 2021, 719, 138492.	1.8	2
22	Magnetic anisotropy and magnetization reversal in cobalt-iron thin film. Spectroscopy Letters, 2021, 54, 180-187.	1.0	1
23	Clustering of oxygen point defects in transition metal nitrides. Journal of Applied Physics, 2021, 129, .	2.5	7
24	Growth of AZTSe thin films by rapid thermal processing and numerical simulation of p-CZTSe/n-AZTSe thin film heterojunction. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	0
25	Chemical disorder induced positive magnetoimpedance in $\text{La}_{0.7}\text{Pb}_{0.3}\text{Mn}_{0.35}\text{Fe}_{0.65}\text{O}_{3\lambda}$ and $\text{La}_{0.7}\text{Pb}_{0.3}\text{Mn}_{0.3}\text{Fe}_{0.7}\text{O}_{3\lambda}$ manganites. EPJ Applied Physics, 2021, 93, 30601.	0.7	1
26	Fully dense, highly conductive nanocrystalline TiN diffusion barrier on steel via reactive high power impulse magnetron sputtering. Thin Solid Films, 2021, 722, 138578.	1.8	6
27	In-situ RHEED analysis of reactively sputtered epitaxial FeN thin films. Journal of Crystal Growth, 2021, 560-561, 126049.	1.5	4
28	Structural, electronic, and magnetic properties of Co <sub>4</sub> N thin films deposited using HiPIMS. Journal of Alloys and Compounds, 2021, 863, 158052.	5.5	3
29	Room temperature weakly ferromagnetic energy band opened graphene quantum dot coupled solid sheets – A possible carbon based dilute magnetic semiconductor. Applied Surface Science, 2021, 548, 149195.	6.1	4
30	Effect of disorder on superconductivity of NbN thin films studied using x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2021, 33, 305401.	1.8	5
31	Structural and magnetic properties of CoTi thin films deposited by magnetron sputtering method. Phase Transitions, 2021, 94, 445-453.	1.3	0
32	Self-diffusion processes in stoichiometric iron mononitride. Journal of Applied Physics, 2021, 129, .	2.5	2
33	Impact of pre-annealing time on the growth and properties of Ag <sub>2</sub> ZnSnSe <sub>4</sub> thin films. Journal of Physics and Chemistry of Solids, 2021, 154, 110067.	4.0	1
34	Synthesis and study of highly dense and smooth TiN thin films. Materials Chemistry and Physics, 2021, 267, 124648.	4.0	5
35	<i>In situ</i> N K-edge XANES study of iron, cobalt and nickel nitride thin films. Journal of Synchrotron Radiation, 2021, 28, 1504-1510.	2.4	5
36	Interface-driven magnetic anisotropy of epitaxial $\text{Fe}_{0.4}\text{Mn}_{0.6}\text{N}$ thin films. Applied Surface Science Advances, 2021, 5, 100088.	6.8	4

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37	Annealing Temperature Dependence of Various Properties of ZnO Nanoparticles Investigated with Soft XAS. <i>Nano</i> , 2021, 16, .	1.0	5
38	Synthesis of fcc-Co from isostructural Co <sub>4</sub> N. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	3
39	Structure and thermal stability of amorphous Co <sub>23</sub> Fe <sub>60</sub> B <sub>17</sub> film on Si substrate. <i>Applied Surface Science Advances</i> , 2021, 5, 100113.	6.8	4
40	Role of interlayer thickness on interdiffusion in Ti/TiN multilayers. <i>Applied Surface Science</i> , 2021, 564, 150430.	6.1	4
41	Spreading the information in complex networks: Identifying a set of top-N influential nodes using network structure. <i>Decision Support Systems</i> , 2021, 149, 113608.	5.9	15
42	Study of carbon doped cobalt mononitride thin films. <i>Applied Surface Science</i> , 2021, 564, 150443.	6.1	1
43	X-ray photoelectron spectroscopy investigation of Ta/CoFeB/TaO <sub>x</sub> heterostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115367.	3.5	5
44	Investigation of structural, magnetic and electronic properties of FeTa films for varying Ta concentration at different annealing temperatures. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 538, 168306.	2.3	5
45	Single-step synthesis of core-shell diamond-graphite hybrid nano-needles as efficient supercapacitor electrode. <i>Electrochimica Acta</i> , 2021, 397, 139267.	5.2	4
46	Studying the onset of galvanic steel corrosion in situ using thin films: film preparation, characterization and application to pitting. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 125001.	1.8	2
47	Study of interface and its role in an unusual magnetization reversal in 57FeCoB/MgO bilayer. <i>Hyperfine Interactions</i> , 2021, 242, 1.	0.5	5
48	Annealing driven positive and negative exchange bias in Fe/Cu/Pt heterostructures at room temperature. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152640.	5.5	6
49	X-ray absorption spectroscopy study of cobalt mononitride thin films. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	6
50	Interfacial chemistry and electronic structure of epitaxial lattice-matched TiN/Al <sub>0.72</sub> Sc <sub>0.28</sub> N metal/semiconductor superlattices determined with soft x-ray scattering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	2.1	5
51	Effect of process parameters on phase formation of cobalt mononitride thin films. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
52	Structure, Thermal Stability, and Magnetism of Ni <sub>4</sub> N Thin Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000294.	2.4	4
53	Insight into the photophysics of strong dual emission (blue & green) producing graphene quantum dot clusters and their application towards selective and sensitive detection of trace level Fe <sup>3+</sup> and Cr <sup>6+</sup> ions. <i>RSC Advances</i> , 2020, 10, 26613-26630.	3.6	11
54	Negative capacitance effect of Cu/TiC thin film deposited by DC magnetron plasma. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	2

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55	Study of Interfaces in Hf/Fe System Using Magneto-Optical Kerr Effect and Soft X-Ray Absorption Spectroscopy. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000177.	2.4	6
56	Helical magnetic structure and exchange bias across the compensation temperature of Gd/Co multilayers. Journal of Applied Physics, 2020, 128, 103901.	2.5	2
57	Structural, optical and electronic properties of $\text{Ni}_{1-x}\text{Co}_x\text{O}$ in the complete composition range. RSC Advances, 2020, 10, 43497-43507.	3.6	6
58	Field dependent helical magnetic structure in a compensated Gd/Co multilayer. Journal of Magnetism and Magnetic Materials, 2020, 516, 167331.	2.3	3
59	Network projection-based edge classification framework for signed networks. Decision Support Systems, 2020, 135, 113321.	5.9	4
60	Nonlinear refraction in NiO thin films. AIP Conference Proceedings, 2020, , .	0.4	1
61	Impact of Antisite Defect Complex on Optical and Electrical Properties of $\text{Ag}_2\text{ZnSnSe}_4$ Thin Films. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900752.	1.8	4
62	Effect of Ag underlayer on structural and optical properties of PVA/Ag/Co film. AIP Conference Proceedings, 2020, , .	0.4	1
63	Evolution of structural and magnetic properties of FePtCu alloy films on annealing of FePt/Cu multilayers. Physical Chemistry Chemical Physics, 2020, 22, 16107-16116.	2.8	2
64	Synthesis and structural investigation of stoichiometric iron mononitride thin films. Journal of Physics and Chemistry of Solids, 2020, 147, 109653.	4.0	6
65	Size dependence of interfacial intermixing in Fe/Si multilayer. Vacuum, 2020, 180, 109546.	3.5	4
66	Effect of defects and oxygen vacancies on the RTFM properties of pure and Gd-doped $\text{CeO}_2$ nanomaterials through soft XAS. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	22
67	Recommendation generation using personalized weight of meta-paths in heterogeneous information networks. European Journal of Operational Research, 2020, 284, 660-674.	5.7	34
68	Magnetization of Fe <sub>4</sub> N thin films: Suppression of interfacial intermixing using buffer layers. Journal of Magnetism and Magnetic Materials, 2020, 507, 166806.	2.3	8
69	Synthesis, Stability and Self-Diffusion in Iron Nitride Thin Films: A Review. Materials Horizons, 2020, , 131-179.	0.6	4
70	Synthesis and characterization of AlN thin films deposited using DC and RF magnetron sputtering. AIP Conference Proceedings, 2020, , .	0.4	4
71	Structural and magnetic properties of co-sputtered $\text{Fe}_x\text{C}_{1-x}$ thin films. Physical Review Materials, 2020, 4, .		
72	Investigation of DIBS-Deposited CdZnO/ZnO-Based Multiple Quantum Well for Large-Area Photovoltaic Application. IEEE Transactions on Electron Devices, 2020, 67, 5587-5592.	3.0	15

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73	Micro-structural and bonding structure analysis of TiAlN thin films deposited with varying N <sub>2</sub> flow rate via ion beam sputtering technique. Materials Science-Poland, 2020, 38, 122-131.	1.0	3
74	Annealing driven interface diffusivity in FePt/Cu multilayer. AIP Conference Proceedings, 2020, , .	0.4	0
75	Synthesis of Nb <sub>2</sub> N by rapid thermal annealing of interstitial Nb(N) thin film. AIP Conference Proceedings, 2020, , .	0.4	0
76	Study of scandium nitride thin films deposited using ion beam sputtering. AIP Conference Proceedings, 2020, , .	0.4	2
77	Influence of AlN buffer layer on molecular beam epitaxy growth of wurtzite Al <sub>1-x</sub> Sc <sub>x</sub> N thin films. Bulletin of Materials Science, 2020, 43, 1.	1.7	0
78	Giant dispersive and absorptive optical nonlinearities in TiO <sub>2</sub> thin films. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 279.	2.1	2
79	In-situ growth of iron mononitride thin films studied using x-ray absorption spectroscopy and nuclear resonant scattering. Hyperfine Interactions, 2019, 240, 1.	0.5	7
80	Nonlinear optical responses of magnetron sputtered TiO <sub>2</sub> thin film. AIP Conference Proceedings, 2019, , .	0.4	0
81	Interface dependent diffusivity in Gd/Co multilayers. AIP Conference Proceedings, 2019, , .	0.4	0
82	Direct synthesis of electrowettable nanostructured hybrid diamond. Journal of Materials Chemistry A, 2019, 7, 19026-19036.	10.3	9
83	Structural and magnetic properties of CoNi surface alloys. Physica B: Condensed Matter, 2019, 572, 105-108.	2.7	10
84	Structural and magnetic properties of FeN thin films grown on TiN. Physica B: Condensed Matter, 2019, 572, 94-97.	2.7	7
85	Magneto-optical Kerr effect and nuclear resonant scattering study of uni-directional anisotropy in hard-soft magnetic bilayers. Journal of Applied Physics, 2019, 126, 043905.	2.5	0
86	Role of growth parameters on structural and magnetic properties of Fe <sub>4</sub> N thin films grown by reactive magnetron sputtering. Physica B: Condensed Matter, 2019, 572, 36-41.	2.7	2
87	Dynamics of reactive sputtering affecting phase formation of Co <sub>4</sub> N thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	3
88	Structural and magnetic properties of stoichiometric $\text{Co}_4\text{N}$ epitaxial thin films. Physical Review B, 2019, 99, .	3.2	16
89	Phase growth analysis of sputtered TiO <sub>2</sub> thin films at low oxygen partial pressures using XANES and XRR. Materials Research Express, 2019, 6, 116449.	1.6	15
90	Synergistic Effect of Singly Charged Oxygen Vacancies and Ligand Field for Regulating Transport Properties of Resistive Switching Memories. Journal of Physical Chemistry C, 2019, 123, 26812-26822.	3.1	11

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91	Deposition of Fe/Nb multilayers and Fe/Nb/Fe trilayers using HIPIMS: XRR measurements for interface diffusion study. AIP Conference Proceedings, 2019, , .	0.4	1
92	Antisymmetric magnetoresistance and helical magnetic structure in a compensated Gd/Co multilayer. Physical Review B, 2019, 100, .	3.2	12
93	Ambient temperature growth and characterization of stoichiometric NbN thin films. AIP Conference Proceedings, 2019, , .	0.4	0
94	Study of cobalt mononitride thin films deposited using different sized magnetron sources and effect of carbon doping. AIP Conference Proceedings, 2019, , .	0.4	1
95	Preparation and characterization of Fe <sub>4</sub> N thin film deposited by high power impulse magnetron sputtering. AIP Conference Proceedings, 2019, , .	0.4	1
96	Thickness dependent structural and magnetic properties of Au/Co/Si (100) ultra-thin wedge film. AIP Conference Proceedings, 2019, , .	0.4	1
97	Improved hydrogen sensing behaviour in ion-irradiated Pd-Au alloy thin films. Sensors and Actuators B: Chemical, 2019, 301, 127006.	7.8	20
98	Investigation of valence electron excitation and plasmonic enhancement in sputter grown NMZO thin films: For energy harvesting applications. Optical Materials, 2019, 88, 372-377.	3.6	3
99	Electron energy loss and X-ray absorption behaviour of high density nonmagnetic cobalt. Thin Solid Films, 2019, 675, 177-181.	1.8	3
100	Influence of annealing on spin pumping in sputtered deposited Co/Pt bilayer thin films. Physica B: Condensed Matter, 2019, 570, 254-258.	2.7	8
101	Synthesis, structure and magnetization of $\text{Co}_{2.3}\text{Mn}_9$ thin films. Journal of Magnetism and Magnetic Materials, 2019, 489, 165376.	2.3	9
102	Interface sharpening in miscible and isotopic multilayers: Role of short-circuit diffusion. Physical Review B, 2019, 99, .	3.2	9
103	3D Hierarchical Boron-Doped Diamond-Multilayered Graphene Nanowalls as an Efficient Supercapacitor Electrode. Journal of Physical Chemistry C, 2019, 123, 15458-15466.	3.1	35
104	Chemical analysis and non-linear optical properties of TiO <sub>2</sub> thin films. AIP Conference Proceedings, 2019, , .	0.4	1
105	Rigid-band electronic structure of scandium nitride across the $n$ -type to $p$ -type carrier transition regime. Physical Review B, 2019, 99, .	3.2	23
106	Structural and magnetic study of ion beam sputtered iron thin film on polyvinyl alcohol. AIP Conference Proceedings, 2019, , .	0.4	4
107	Study of interface induced anisotropic exchange coupling in amorphous FeCoB/MgO bilayer. Journal of Alloys and Compounds, 2019, 789, 330-335.	5.5	5
108	Depth-resolved compositional analysis of W/B <sub>4</sub> C multilayers using resonant soft X-ray reflectivity. Journal of Synchrotron Radiation, 2019, 26, 793-800.	2.4	8

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109	Cauliflower-shaped ternary nanocomposites with enhanced power and energy density for supercapacitors. International Journal of Energy Research, 2019, 43, 3446-3460.	4.5	26
110	Revealing carbon mediated luminescence centers with enhanced lifetime in porous alumina. Journal of Applied Physics, 2019, 126, 164904.	2.5	6
111	Size induced structural changes in maricite-NaFePO <sub>4</sub> : an in-depth study by experiment and simulations. Physical Chemistry Chemical Physics, 2019, 21, 25206-25214.	2.8	4
112	Temperature induced interface roughness and spin reorientation transition in Co/Au multilayers thin films. Materials Research Express, 2019, 6, 126445.	1.6	1
113	<i>In situ</i> soft x-ray absorption spectroscopic study of polycrystalline Fe/MgO interfaces. Journal of Physics Condensed Matter, 2019, 31, 105001.	1.8	4
114	Electronic structure by X-ray absorption spectroscopy and observation of field induced unusually slow spin relaxation from magnetic properties in pyrochlore Eu <sub>2</sub> FeTi <sub>2</sub> O <sub>7</sub> . Journal of Magnetism and Magnetic Materials, 2019, 476, 7-17.	2.3	7
115	Annealing induced modifications in physicochemical and optoelectronic properties of CdS/CuInGaSe <sub>2</sub> thin film. Solar Energy, 2019, 177, 1-7.	6.1	8
116	Origin of Blue Luminescence in Mg-doped GaN. Physical Review Applied, 2019, 11, .	3.8	19
117	Study of phase formulation in CrN thin films and its response to a minuscule oxygen flow in reactive sputtering process. Thin Solid Films, 2019, 670, 113-121.	1.8	17
118	XAS studies of brain-sponge CNClZnO nanostructures using polyaniline as dual source for solar light photocatalysis. Ceramics International, 2019, 45, 1314-1321.	4.8	12
119	DPRel: A Meta-Path Based Relevance Measure for Mining Heterogeneous Networks. Information Systems Frontiers, 2019, 21, 979-995.	6.4	5
120	Effect of interfacial interdiffusion on magnetism in epitaxial Fe <sub>4</sub> N films on LaAlO <sub>3</sub> substrates. Physical Review Materials, 2019, 3, .	2.4	9
121	Synthesis, microstructure and corrosion behavior of compositionally graded Ni-YSZ diffusion barrier coatings on inconel-690 for applications in high temperature environments. Corrosion Science, 2018, 135, 243-254.	6.6	17
122	Tunable electronic, electrical and optical properties of graphene oxide sheets by ion irradiation. Nanotechnology, 2018, 29, 185701.	2.6	17
123	Role of oxygen impurities in synthesis of iron mononitride thin films. AIP Conference Proceedings, 2018, , .	0.4	0
124	Enhanced radial growth of Mg doped GaN nanorods: A combined experimental and <i>first-principles</i> study. Journal of Applied Physics, 2018, 123, .	2.5	6
125	Optimization of co-sputtered FePt films using x-ray scattering techniques. AIP Conference Proceedings, 2018, , .	0.4	1
126	Local probing of the enhanced field electron emission of vertically aligned nitrogen-doped diamond nanorods and their plasma illumination properties. Diamond and Related Materials, 2018, 83, 118-125.	3.9	13

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127	Study of exchange bias effect in a patterned Fe/Pt multilayer with the thermal annealing. Vacuum, 2018, 151, 61-65.	3.5	2
128	High Responsivity Mg <sub>2</sub> ZnO Based Ultraviolet Photodetector Fabricated by Dual Ion Beam Sputtering. IEEE Sensors Journal, 2018, 18, 2744-2750.	4.7	40
129	Local structure investigation on Mn and Co doped TiO <sub>2</sub> thin films by x-ray absorption spectroscopy. AIP Conference Proceedings, 2018, , .	0.4	0
130	Impact of stacking order on the microstructural properties of Cu <sub>2</sub> ZnGeSe <sub>4</sub> thin film absorber layer. Superlattices and Microstructures, 2018, 117, 437-448.	3.1	4
131	Density and microstructure of a-C thin films. Diamond and Related Materials, 2018, 84, 71-76.	3.9	12
132	Evolution with thermal annealing of magnetic anisotropy in FeCoB thin film interfaced with Mo layers. Journal of Magnetism and Magnetic Materials, 2018, 448, 100-106.	2.3	7
133	Structure and magnetization of $\text{Co}_{2/3}\text{Mn}_{1/3}$ thin film. Journal of Magnetism and Magnetic Materials, 2018, 448, 274-277.	2.3	10
134	Influence of Selenization Time on Microstructural, Optical, and Electrical Properties of Cu <sub>2</sub> ZnGeSe <sub>4</sub> Films. Journal of Electronic Materials, 2018, 47, 800-810.	2.2	6
135	Manipulation of Gilbert Damping Parameter by Annealing Sputtered Deposited Co/Pt Bilayer Thin Films.. , 2018, , .		0
136	Electronic structure of Pr <sub>2</sub> MnNiO <sub>6</sub> from x-ray photoemission, absorption and density functional theory. Journal of Physics Condensed Matter, 2018, 30, 435603.	1.8	8
137	Anatase phase evolution and its stabilization in ion beam sputtered TiO <sub>2</sub> thin films. Thin Solid Films, 2018, 666, 113-120.	1.8	3
138	Enhancement of L1 transformation in Fe/Pt multilayer by Cu addition. AIP Advances, 2018, 8, .	1.3	4
139	Interface induced magnetic properties of Gd/Co heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 21580-21589.	2.8	14
140	Effect of heavy metal interface on the magnetic behaviour and thermal stability of CoFeB film. Journal of Magnetism and Magnetic Materials, 2018, 466, 311-316.	2.3	15
141	Growth and characterization of Ge-substituted Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin films. Materials Science in Semiconductor Processing, 2018, 87, 77-85.	4.0	3
142	Soft X-ray characterization of ion beam sputtered magnesium oxide (MgO) thin film. Surface and Interface Analysis, 2018, 50, 1145-1148.	1.8	3
143	Room temperature superparamagnetism in ternary (Fe <sub>50</sub> Pt <sub>50</sub> ) <sub>0.42</sub> Cu <sub>0.58</sub> phase at interfaces on annealing of Fe <sub>50</sub> Pt <sub>50</sub> /Cu multilayer. Journal of Magnetism and Magnetic Materials, 2018, 462, 58-69.	2.3	5
144	Influence of oxygen on growth of carbon thin films. AIP Conference Proceedings, 2018, , .	0.4	0

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145	Finding pathways to prepare Fe <sub>4</sub> N thin films at low substrate temperature. AIP Conference Proceedings, 2018, . .	0.4	2
146	Oxygen mediated phase transformation in room temperature grown TiO <sub>2</sub> thin films with enhanced photocatalytic activity. Applied Physics Letters, 2018, 113, .	3.3	8
147	Magnetically tuned absorptive optical nonlinearity in NiO thin films. Optical Materials, 2018, 84, 893-898.	3.6	8
148	A novel green approach for reduction of free standing graphene oxide: electrical and electronic structural investigations. Nanotechnology, 2018, 29, 345204.	2.6	1
149	Investigation of local structural and magnetic properties of discontinuous to continuous layer of Co at Co/MgO interface in MgO/Co/MgO trilayer structure. Journal of Alloys and Compounds, 2017, 700, 267-271.	5.5	9
150	Impact of Self-Trapped Excitons on Blue Photoluminescence in TiO <sub>2</sub> Nanorods on Chemically Etched Si Pyramids. Journal of Physical Chemistry C, 2017, 121, 11448-11454.	3.1	38
151	Structural, optical and electronic properties of a Mg incorporated GaN nanowall network. RSC Advances, 2017, 7, 25998-26005.	3.6	16
152	Study of interlayer coupling between FePt and FeCoB thin films through MgO spacer layer. AIP Conference Proceedings, 2017, . .	0.4	0
153	Structural and electrical characterization of ion beam sputter deposited Mo/Cu films. AIP Conference Proceedings, 2017, . .	0.4	0
154	Influence of O <sub>2</sub> pressure on structural, morphological and optical properties of TiO <sub>2</sub> -SiO <sub>2</sub> composite thin films prepared by pulsed laser deposition. Thin Solid Films, 2017, 629, 79-89.	1.8	15
155	Magnetic instability and f <sub>d</sub> hybridization in CeFe <sub>2</sub> on substituting Cr, Ag, and Au for Fe. Journal of Magnetism and Magnetic Materials, 2017, 433, 162-168.	2.3	2
156	Nanoscale self-recovery of resistive switching in Ar <sup>+</sup> irradiated TiO <sub>2</sub> films. Journal Physics D: Applied Physics, 2017, 50, 475304.	2.8	7
157	Growth Mechanism of Pine-leaf-like Nanostructure from the Backbone of SrCO <sub>3</sub> Nanorods using LaMer's Surface Diffusion: Impact of Higher Surface Energy ( $\gamma = 38.9$ ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Calculations. Crystal Growth and Design, 2017, 17, 6394-6406.	3.0	5
158	Impact of selenization pressure on the micro-structural properties of Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin films. Superlattices and Microstructures, 2017, 110, 252-264.	3.1	2
159	Low temperature crystallization of Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin films using binary selenide precursors. Journal of Materials Science: Materials in Electronics, 2017, 28, 18244-18253.	2.2	7
160	Depth selective crystallization study of CoFeB film on MgO. Materials Research Express, 2017, 4, 106404.	1.6	4
161	Magnetic properties of ordered polycrystalline FeRh thin films. RSC Advances, 2017, 7, 44097-44103.	3.6	5
162	Graphene Quantum Dot Solid Sheets: Strong blue-light-emitting & photocurrent-producing band-gap-opened nanostructures. Scientific Reports, 2017, 7, 10850.	3.3	61

#	ARTICLE	IF	CITATIONS
163	Effect of selenium incorporation at precursor stage on growth and properties of Cu <sub>2</sub> ZnSnSe <sub>4</sub> thin films. Vacuum, 2017, 144, 43-52.	3.5	9
164	Effect of annealing on the optical properties of the ion beam sputtered NiO thin film. AIP Conference Proceedings, 2017, , .	0.4	0
165	Early stages of TiN thin film growth probed using in-situ soft X-ray absorption spectroscopy. AIP Conference Proceedings, 2017, , .	0.4	2
166	Local Structure Investigation of Mn and Co Doped TiO <sub>2</sub> Thin Films by X-Ray Absorption Spectroscopy. ChemistrySelect, 2017, 2, 11012-11024.	1.5	5
167	Effects of oxygen partial pressure and annealing on dispersive optical nonlinearity in NiO thin films. Journal of Applied Physics, 2017, 122, .	2.5	8
168	HeteClass: A Meta-path based framework for transductive classification of objects in heterogeneous information networks. Expert Systems With Applications, 2017, 68, 106-122.	7.6	26
169	Structural and magnetic properties of Co-N thin films deposited using magnetron sputtering at 523Å. Journal of Alloys and Compounds, 2017, 694, 1209-1213.	5.5	15
170	Investigation of band alignment in Co doped ZnO/ZnO heterostructure. AIP Conference Proceedings, 2017, , .	0.4	0
171	Prediction of Binary Labels for Edges in Signed Networks: A Random-Walk Based Approach. , 2017, , .		1
172	Growth and characterization of Cu <sub>2</sub> ZnGeSe <sub>4</sub> thin films by selenization of multiple stacks (Cu/Se/ZnSe/Se/Ge/Se) in high vacuum. Vacuum, 2016, 131, 264-270.	3.5	10
173	Magnetic properties of thin films of samarium-cobalt alloy prepared by magnetron sputtering. Journal of Physics: Conference Series, 2016, 755, 012028.	0.4	2
174	Dimensional crossover of electron weak localization in ZnO/TiOx stacked layers grown by atomic layer deposition. Applied Physics Letters, 2016, 108, .	3.3	9
175	Effect of oxygen partial pressure on the structural and optical properties of ion beam sputtered TiO <sub>2</sub> thin films. Journal of Physics: Conference Series, 2016, 755, 012053.	0.4	0
176	Study of cobalt mononitride thin films prepared using DC and high power impulse magnetron sputtering. AIP Conference Proceedings, 2016, , .	0.4	2
177	Annealing induced structural changes in amorphous Co <sub>23</sub> Fe <sub>60</sub> B <sub>17</sub> film on Mo buffer layer. AIP Conference Proceedings, 2016, , .	0.4	2
178	Study of polymorphism of ZnPc LB thin film on annealing. AIP Conference Proceedings, 2016, , .	0.4	2
179	Growth and characterization of dual ion beam sputtered Cu <sub>2</sub> ZnSn(S, Se) <sub>4</sub> thin films for cost-effective photovoltaic application. Solar Energy, 2016, 139, 1-12.	6.1	31
180	Effect of film thickness on the magneto-structural properties of ion beam sputtered transition metal-metalloid FeCoNbB/Si (100) alloy thin films. Materials Research Express, 2016, 3, 086102.	1.6	5

#	ARTICLE	IF	CITATIONS
181	Electronic structure of FeAl alloy studied by resonant photoemission spectroscopy and Ab initio calculations. Journal of Alloys and Compounds, 2016, 688, 187-194.	5.5	18
182	Effect of oxygen partial pressure on the structural and optical properties of ion beam sputtered TiO <sub>2</sub> thin films. Thin Solid Films, 2016, 619, 86-90.	1.8	13
183	Gradient doping "a case study with Ti-Fe <sub>2</sub> O <sub>3</sub> towards an improved photoelectrochemical response. Physical Chemistry Chemical Physics, 2016, 18, 32735-32743.	2.8	40
184	Surface and grain boundary interdiffusion in nanometer-scale LSMO/BFO bilayer. Journal of Magnetism and Magnetic Materials, 2016, 405, 72-77.	2.3	5
185	Origin of anomalous diffusion in iron mononitride thin films. Physical Review B, 2015, 92, .	3.2	26
186	<i>In situ</i> small-angle x-ray and nuclear resonant scattering study of the evolution of structural and magnetic properties of an Fe thin film on MgO (001). Physical Review B, 2015, 92, .	3.2	8
187	Evaluation of the band alignment and valence plasmonic features of a DIBS grown Ga-doped Mg <sub>0.05</sub> Zn <sub>0.95</sub> O/CIGSe heterojunction by photoelectron spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 485305.	2.8	24
188	Phase formation, thermal stability and magnetic moment of cobalt nitride thin films. AIP Advances, 2015, 5, .	1.3	25
189	Study of magnetic iron nitride thin films deposited by high power impulse magnetron sputtering. Surface and Coatings Technology, 2015, 275, 264-269.	4.8	30
190	Spectroscopic ellipsometry study on electrical and elemental properties of Sb-doped ZnO thin films. Current Applied Physics, 2015, 15, 479-485.	2.4	25
191	Positional Controlled Manipulation of the Carbon Nanotube Surface by Selective Screening. Journal of Physical Chemistry C, 2015, 119, 716-723.	3.1	6
192	Stoichiometry dependent inter diffusion and structural evolution in Al-Ni multilayer. Journal of Alloys and Compounds, 2015, 631, 46-51.	5.5	7
193	Effect of precursor concentration on the properties and tuning of conductivity between p-type and n-type Cu <sub>1-x</sub> Cd <sub>x</sub> S <sub>2</sub> thin films deposited by a single step solution process as a novel material for photovoltaic applications. RSC Advances, 2015, 5, 23015-23021.	3.6	13
194	Effect of thermal annealing on the phase evolution of silver tungstate in Ag/WO <sub>3</sub> films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 239-244.	3.9	8
195	Study of the structural phase transformation, and optical behavior of the as synthesized ZnO-SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite. Phase Transitions, 2015, 88, 1122-1136.	1.3	6
196	Effect of Al doping on phase formation and thermal stability of iron nitride thin films. Journal of Alloys and Compounds, 2015, 650, 647-653.	5.5	7
197	Correlation between iron self-diffusion and thermal stability in doped iron nitride thin films. Journal of Applied Physics, 2014, 116, 222206.	2.5	8
198	Influence of annealing temperature on ZnO thin films grown by dual ion beam sputtering. Bulletin of Materials Science, 2014, 37, 983-989.	1.7	25

#	ARTICLE	IF	CITATIONS
199	Development of soft X-ray polarized light beamline on Indus-2 synchrotron radiation source. AIP Conference Proceedings, 2014, , .	0.4	64
200	Study of iron mononitride thin films. , 2014, , .		1
201	Effect of dopants on thermal stability and self-diffusion in iron-nitride thin films. Physical Review B, 2014, 90, .	3.2	20
202	Anomalous diffusion of Ga and As from semi-insulating GaAs substrate into MOCVD grown ZnO films as a function of annealing temperature and its effect on charge compensation. AIP Advances, 2014, 4, 057108.	1.3	4
203	Effect of Growth Temperature on Properties of CdZnO Thin Films. Environmental Science and Engineering, 2014, , 865-867.	0.2	3
204	Identification of a kinetic length scale which dictates alloy phase composition in Ni-Al interfaces on annealing at low temperatures. Journal of Applied Physics, 2014, 116, .	2.5	8
205	Behavior of dual ion beam sputtered MgZnO thin films for different oxygen partial pressure. Journal of Materials Science: Materials in Electronics, 2014, 25, 772-777.	2.2	18
206	Depth dependent structure and magnetic properties and their correlation with magnetotransport in Fe/Au multilayers. Thin Solid Films, 2014, 550, 326-333.	1.8	7
207	Deposition of CuCdS <sub>2</sub> thin film by single step solution process at low temperature as a novel absorber for photovoltaic applications. Superlattices and Microstructures, 2014, 76, 125-134.	3.1	11
208	Synthesis and characterization of pulsed laser deposited SnO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> composite thin films for TCO application. EPJ Applied Physics, 2014, 67, 10302.	0.7	3
209	Influence of ion-beam sputtering deposition parameters on highly photosensitive and transparent CdZnO thin films. Journal of Materials Science, 2014, 49, 6917-6929.	3.7	21
210	Growth and characterizations of dual ion beam sputtered CIGS thin films for photovoltaic applications. Journal of Materials Science: Materials in Electronics, 2014, 25, 3069-3076.	2.2	26
211	Preparation of nanocrystalline Sb doped PbS thin films and their structural, optical, and electrical characterization. Superlattices and Microstructures, 2014, 75, 601-612.	3.1	56
212	CIGS thin film Deposition by Dual Ion Beam Sputtering (DIBS) system for Solar cell Applications. Environmental Science and Engineering, 2014, , 399-401.	0.2	0
213	Study of strain propagation in laser irradiated silicon crystal by time-resolved diffraction of K $\hat{\alpha}$ x-ray probe of different photon energies. Journal of Applied Physics, 2013, 114, 023302.	2.5	5
214	Effect of growth temperature on structural, electrical and optical properties of dual ion beam sputtered ZnO thin films. Journal of Materials Science: Materials in Electronics, 2013, 24, 2541-2547.	2.2	52
215	Surfactant controlled interface roughness and spin-dependent scattering in Cu/Co multilayers. Applied Physics A: Materials Science and Processing, 2013, 111, 495-499.	2.3	6
216	Silicide layer formation in evaporated and sputtered Fe/Si multilayers: X-ray and neutron reflectivity study. Applied Surface Science, 2013, 277, 182-185.	6.1	10

#	ARTICLE	IF	CITATIONS
217	Investigation of dual ion beam sputtered transparent conductive Ga-doped ZnO films. Journal of Materials Science: Materials in Electronics, 2013, 24, 4919-4924.	2.2	20
218	Evolution of structural and magnetic properties of amorphous CoFeB film with thermal annealing. Journal of Applied Physics, 2013, 114, .	2.5	24
219	Role of additives (X=Ti, Zr) in phase formation and thermal stability of Fe <sup>x</sup> N thin films. Thin Solid Films, 2013, 536, 39-49.	1.8	15
220	Effect of interface morphology on intermetallics formation upon annealing of Al <sup>x</sup> Ni multilayer. Journal of Alloys and Compounds, 2013, 576, 257-261.	5.5	22
221	Compositional effect of antimony on structural, optical, and photoluminescence properties of chemically deposited (Cd <sup>1-x</sup> Sb <sup>x</sup> )S thin films. Superlattices and Microstructures, 2013, 59, 29-37.	3.1	14
222	Influence of <i>in-situ</i> annealing ambient on p-type conduction in dual ion beam sputtered Sb-doped ZnO thin films. Applied Physics Letters, 2013, 103, .	3.3	56
223	<i>p</i> -type conduction from Sb-doped ZnO thin films grown by dual ion beam sputtering in the absence of oxygen ambient. Journal of Applied Physics, 2013, 114, .	2.5	34
224	Effect of oxygen partial pressure on the behavior of dual ion beam sputtered ZnO thin films. Semiconductor Science and Technology, 2013, 28, 085014.	2.0	41
225	Study of surfactant mediated growth of Ni/V superlattices. Journal of Applied Physics, 2013, 114, 024307.	2.5	5
226	Characterization of Ni/Al multilayer on Si substrate by diffraction and reflectometry techniques. , 2012, , .		0
227	Strain and mosaic deformation in laser irradiated silicon. , 2012, , .		0
228	A direct evidence of floating-off mechanism of Ag surfactant in Cu/Co multilayers probed by secondary ion mass spectrometry. AIP Conference Proceedings, 2012, , .	0.4	1
229	Optimization of Ti addition in Fe for Fe-Ti-N thin films. , 2012, , .		0
230	Reactive nitrogen sputtering of Fe, Al and Fe(Al). , 2012, , .		0
231	Reactive nitrogen sputtering of iron using ion beam and magnetron sources. , 2012, , .		0
232	Formation of iron nitride thin films with Al and Ti additives. Journal of Applied Physics, 2012, 111, .	2.5	18
233	Surfactant controlled interfacial alloying in thermally evaporated Cu/Co multilayers. Journal of Alloys and Compounds, 2012, 522, 9-13.	5.5	12
234	Structural and surface morphological studies of long chain fatty acid thin films deposited by Langmuir-Blodgett technique. Physica B: Condensed Matter, 2012, 407, 4777-4782.	2.7	7

#	ARTICLE	IF	CITATIONS
235	Surfactant induced symmetric and thermally stable interfaces in Cu/Co multilayers. Journal of Physics Condensed Matter, 2011, 23, 485003.	1.8	5
236	Study of non-magnetic iron mononitride thin films. Journal of Alloys and Compounds, 2011, 509, 8283-8288.	5.5	30
237	Iron and nitrogen self-diffusion in non-magnetic iron nitrides. Journal of Applied Physics, 2011, 110, .	2.5	25
238	Preparation and Characterization of Nanocrystalline Soft Magnetic Fe <sub>X</sub> N Thin Films. , 2011, , .		0
239	Surfactant mediated growth of Ti/Ni multilayers. Applied Physics Letters, 2011, 98, .	3.3	13
240	Effect of Ag Surfactant on Cu <sup>1</sup> •Co Multilayers Deposited by RF-Ion Beam Sputtering. , 2011, , .		0
241	Self Diffusion of Fe in CoFeB Thin Film. , 2011, , .		0
242	Surfactant Mediated Growth of Ta <sup>1</sup> •Ni Multilayers. , 2011, , .		0
243	Interdiffusion in W <sup>1</sup> •Si Multilayers with Boron Carbide Interlayers. , 2011, , .		0
244	Effect of Ag as a surfactant on the thermal stability in Cu/Co multilayers. Journal of Physics: Conference Series, 2010, 211, 012020.	0.4	4
245	Growth kinetics of intermetallic alloy phase at the interfaces of a Ni/Al multilayer using polarized neutron and x-ray reflectometry. Physical Review B, 2010, 81, .	3.2	33
246	Fe and N self-diffusion in amorphous FeN: A SIMS and neutron reflectivity study. Acta Materialia, 2009, 57, 1263-1271.	7.9	24
247	Study of nano-scale diffusion in thin films and multilayers. Hyperfine Interactions, 2008, 182, 23-30.	0.5	5
248	Nanostructured tungsten oxide thin films by the reactive pulsed laser deposition technique. Applied Physics A: Materials Science and Processing, 2008, 91, 637-649.	2.3	67
249	Fe and N diffusion in nitrogen-rich FeN measured using neutron reflectometry. Pramana - Journal of Physics, 2008, 71, 1085-1089.	1.8	1
250	Magnetization in permalloy thin films. Pramana - Journal of Physics, 2008, 71, 1123-1127.	1.8	9
251	How to measure atomic diffusion processes in the sub-nanometer range. Acta Materialia, 2008, 56, 464-470.	7.9	40
252	Ordering and self-diffusion in FePt alloy film. New Journal of Physics, 2008, 10, 053031.	2.9	14

#	ARTICLE	IF	CITATIONS
253	Study of nano-scale diffusion in thin films and multilayers. , 2008, , 23-30.		0
254	Self-Diffusion in Covalent Amorphous Solids – A Comparative Study Using Neutron Reflectometry and SIMS. Defect and Diffusion Forum, 2007, 263, 51-56.	0.4	3
255	Investigation of interface magnetic moment of Fe <sup>57</sup> /Ge multilayer: A neutron reflectivity study. Journal of Applied Physics, 2007, 101, 033913.	2.5	14
256	Structural characterization of diamond-like carbon films for ultracold neutron applications. Diamond and Related Materials, 2007, 16, 334-341.	3.9	46
257	Measurement of the Fermi potential of diamond-like carbon and other materials. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 647-656.	1.4	22
258	Structural and Magnetic Study of an Electrodeposited Ni <sup>58</sup> /Cu Thin Film by Neutron Reflectometry. Electrochemical and Solid-State Letters, 2006, 9, J5.	2.2	9
259	Diamond-like carbon coatings for Ultracold Neutron applications. Diamond and Related Materials, 2006, 15, 928-931.	3.9	9
260	Structure and magnetic properties of Fe/Ge multilayer by neutron reflectometry. Physica B: Condensed Matter, 2006, 385-386, 653-655.	2.7	3
261	Diffusion behaviour of Nb in yttria-stabilized zirconia single crystals: A SIMS, AFM and X-ray reflectometry investigations. Applied Surface Science, 2006, 253, 1071-1080.	6.1	12
262	Diamondlike carbon can replace beryllium in physics with ultracold neutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 642, 24-27.	4.1	27
263	Thermal stability of nanometer range Ti/Ni multilayers. Thin Solid Films, 2006, 515, 2213-2219.	1.8	40
264	Iron self-diffusion in FeZr <sup>57</sup> /Fe <sup>57</sup> Zr multilayers measured by neutron reflectometry: Effect of applied compressive stress. Physical Review B, 2006, 74, .	3.2	18
265	Nitrogen Diffusion in Amorphous Silicon Nitride Isotope Multilayers Probed by Neutron Reflectometry. Physical Review Letters, 2006, 96, 055901.	7.8	49
266	Magnetic depth profiling of FM/AF/FM trilayers by PNR. Physica B: Condensed Matter, 2005, 356, 46-50.	2.7	12
267	Smooth interfaces of multilayer monochromators. Physica B: Condensed Matter, 2005, 357, 218-221.	2.7	2
268	On the coexistence of spin and lattice polarons in the La <sub>0.67</sub> x <sup>2+</sup> EuxCa <sub>0.33</sub> MnO <sub>3</sub> CMR system. Solid State Communications, 2005, 133, 77-81.	1.9	22
269	Unpolarized and polarized neutron reflectometry for magnetic structure of nickel – copper multilayer film. Solid State Communications, 2005, 136, 400-403.	1.9	2
270	A novel apparatus for the investigation of material properties for the storage of ultracold neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 550, 637-646.	1.6	13

#	ARTICLE	IF	CITATIONS
271	Self-diffusion in nanoscale structures measured by neutron reflectometry. Journal of Phase Equilibria and Diffusion, 2005, 26, 458-465.	1.4	4
272	Preparation of Fe/Pt Films with Perpendicular Magnetic Anisotropy. Hyperfine Interactions, 2005, 160, 157-163.	0.5	9
273	Probing the Effects of SHI and Doping-Induced Defects in Nanocrystalline Spinel Ferrites. Defect and Diffusion Forum, 2005, 242-244, 255-276.	0.4	0
274	Iron Self-Diffusion in Chemically Homogeneous Multilayers. Defect and Diffusion Forum, 2005, 237-240, 548-553.	0.4	4
275	Self-Diffusion of Iron in Nano-Crystalline Iron Nitride. Materials Science Forum, 2005, 480-481, 557-564.	0.3	0
276	Depth profiling of marker layers using x-ray waveguide structures. Physical Review B, 2005, 72, .	3.2	35
277	Crossover in growth exponent upon nanocrystallization of amorphous thin films. Journal of Applied Physics, 2005, 98, 064305.	2.5	3
278	Fe diffusion in amorphous and nanocrystalline alloys studied using nuclear resonance reflectivity. Physical Review B, 2005, 72, .	3.2	37
279	Nanocrystallization and amorphization induced by reactive nitrogen sputtering in iron and permalloy. Physical Review B, 2005, 72, .	3.2	60
280	Self-Diffusion in Nanoscale Structures Measured by Neutron Reflectometry. Journal of Phase Equilibria and Diffusion, 2005, 26, 458-465.	1.4	0
281	Iron self-diffusion in amorphous FeZr <sup>57</sup> multilayers measured by neutron reflectometry. Physical Review B, 2004, 70, .	3.2	40
282	Self-Diffusion in Chemically Homogeneous Multilayers Using Neutron and Nuclear Resonance Reflectivity. Materials Research Society Symposia Proceedings, 2004, 840, Q1.7.1.	0.1	0
283	AMOR " the time-of-flight neutron reflectometer at SINQ/PSI. Pramana - Journal of Physics, 2004, 63, 57-63.	1.8	49
284	Structural and magnetic properties of ion-beam sputtered FeZr thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3211-3215.	0.8	2
285	Structural and magnetic properties of Fe/Ni multilayers. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3651-3655.	0.8	0
286	Structural characterization of epitaxial Fe/Cr multilayers using anomalous X-ray and neutron reflectivity. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1219-1220.	2.3	8
287	Study of interfacial properties and its effect on magnetization behaviour of Fe/Ni multilayer structure. Applied Surface Science, 2004, 238, 254-261.	6.1	8
288	Iron self-diffusion in nanocrystalline FeZr thin films. Journal of Non-Crystalline Solids, 2004, 343, 39-47.	3.1	14

#	ARTICLE	IF	CITATIONS
289	Pure Nuclear Reflection from natural FeN <sub>0.7</sub> /57FeN <sub>0.7</sub> Multilayer. Journal of the Physical Society of Japan, 2004, 73, 423-429.	1.6	15
290	Development of an ion-beam sputtering system for depositing thin films and multilayers of alloys and compounds. Applied Surface Science, 2003, 205, 309-322.	6.1	21
291	Self-diffusion of iron in amorphous iron nitride. Physical Review B, 2002, 65, .	3.2	40
292	Study of iron nitride thin films deposited by pulsed laser deposition. Journal of Alloys and Compounds, 2001, 326, 265-269.	5.5	49
293	Microstructural study of iron nitride thin films deposited by ion beam sputtering. Vacuum, 2001, 60, 395-399.	3.5	17
294	Swift heavy ion irradiation and annealing effects in Fe/Si multilayers. Nuclear Instruments & Methods in Physics Research B, 1999, 156, 148-152.	1.4	37
295	Study of NbN thin films grown using high power impulse magnetron sputtering. Physica Status Solidi - Rapid Research Letters, 0, , 2100514.	2.4	0