Aziz Dinia

List of Publications by Year
in descending order

179 papers	4,177 citations	109321 35 h-index	168389 53 g-index
180 all docs	180 docs citations	180 times ranked	4707 citing authors

#	Article	IF	Citations
1	Structural, Optical, and Magnetic Properties of Co-doped SnO2 Powders Synthesized by the Coprecipitation Technique. Journal of Physical Chemistry C, 2007, 111, 2924-2928.	3.1	204
2	Bulk Zn1â^'xCoxO magnetic semiconductors prepared by hydrothermal technique. Chemical Physics Letters, 2004, 397, 73-76.	2.6	112
3	Absence of ferromagnetism in Al-doped Zn0.9Co0.10O diluted magnetic semiconductors. Applied Physics Letters, 2006, 88, 112503.	3.3	107
4	Extrinsic origin of ferromagnetism in ZnO and Zn0.9Co0.1O magnetic semiconductor films prepared by sol-gel technique. Applied Physics Letters, 2006, 89, 122504.	3.3	97
5	No ferromagnetism in Mn doped ZnO semiconductors. Chemical Physics Letters, 2005, 415, 337-341.	2.6	92
6	Magnetic properties of Co-doped ZnO diluted magnetic semiconductors prepared by low-temperature mechanosynthesis. Chemical Physics Letters, 2006, 422, 529-533.	2.6	90
7	Perpendicular anisotropy and antiferromagnetic coupling in Co/Ru strained superlattices. Physical Review B, 1992, 45, 7768-7771.	3.2	82
8	Optical and structural properties of Nd doped SnO₂ powder fabricated by the solâ€“gel method. Journal of Materials Chemistry C, 2014, 2, 8235-8243.	5.5	80
9	Room-temperature ferromagnetism in Zn1â^'xCoxO magnetic semiconductors prepared by sputtering. Journal of Applied Physics, 2005, 97, 123908.	2.5	78
10	Evidence of Superparamagnetic Co Clusters in Pulsed Laser Deposition-Grown Zn_{0.9}Co_{0.1}O Thin Films Using Atom Probe Tomography. Journal of the American Chemical Society, 2011, 133, 1451-1458.	13.7	72
11	Growth and characterization of electrodeposited Cu₂O thin films. Semiconductor Science and Technology, 2013, 28, 115005.	2.0	71
12	Correlation of structural properties with energy transfer of Eu-doped ZnO thin films prepared by sol-gel process and magnetron reactive sputtering. Journal of Applied Physics, 2010, 107, 123522.	2.5	63
13	Room temperature ZnO growth by rf magnetron sputtering on top of photoactive P3HT: PCBM for organic solar cells. Journal of Materials Chemistry, 2011, 21, 1953-1958.	6.7	60
14	Structural and photoluminescence properties of ZnO thin films prepared by sol-gel process. Journal of Applied Physics, 2008, 104, .	2.5	56
15	Appearance of Ferromagnetism in Co-Doped CeO₂ Diluted Magnetic Semiconductors Prepared by Solid-State Reaction. Journal of Physical Chemistry C, 2011, 115, 1556-1560.	3.1	55
16	Photoluminescence properties of rare earth (Nd, Yb, Sm, Pr)-doped CeO₂pellets prepared by solid-state reaction. Journal of Materials Chemistry C, 2015, 3, 7014-7021.	5.5	55
17	Structural, optical and electrical properties of Nd-doped SnO2 thin films fabricated by reactive magnetron sputtering for solar cell devices. Solar Energy Materials and Solar Cells, 2016, 145, 134-141.	6.2	55
18	On the electrochemical synthesis and characterization of p-Cu2O/n-ZnO heterojunction. Journal of Alloys and Compounds, 2017, 718, 36-45.	5.5	55

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19	Structural, optical, and magnetic properties of Fe-doped ZnO films prepared by spray pyrolysis method. Thin Solid Films, 2010, 518, 4593-4596.	1.8	53
20	Photoluminescence of Nd-doped SnO2 thin films. Applied Physics Letters, 2012, 100, .	3.3	50
21	Magnetic perpendicular anisotropy in sputtered (Zn0.75Co0.25)O dilute magnetic semiconductor. Journal of Magnetism and Magnetic Materials, 2005, 286, 37-40.	2.3	48
22	Magnetic Properties of Low-Dimensional Î± and Î³ CoV₂O₆. Journal of Physical Chemistry C, 2011, 115, 17190-17196.	3.1	48
23	Electrochemical synthesis of n-type ZnS layers on p-Cu₂O/n-ZnO heterojunctions with different deposition temperatures. RSC Advances, 2019, 9, 29056-29069.	3.6	48
24	Strong temperature dependence of the interlayer exchange coupling strength in Co/Cu/Co sandwiches. Physical Review B, 1997, 56, 2676-2679.	3.2	47
25	High-temperature ferromagnetism in Co-doped CeO2 synthesized by the coprecipitation technique. Physical Chemistry Chemical Physics, 2012, 14, 7256.	2.8	47
26	Fluorination of YBa2Cu3O6.7 : Powder neutron diffraction determination of fluorine sites and their influence on the superconducting properties. Solid State Communications, 1990, 76, 401-407.	1.9	45
27	Zn1â^'xCoxO diluted magnetic semiconductors synthesized under hydrothermal conditions. Catalysis Today, 2006, 113, 240-244.	4.4	45
28	The influence of pH electrolyte on the electrochemical deposition and properties of nickel thin films. Ionics, 2012, 18, 425-432.	2.4	45
29	Structural, optical and electrical properties of Zn-doped SnO2 nanoparticles synthesized by the co-precipitation technique. Journal of Materials Science: Materials in Electronics, 2014, 25, 2066-2071.	2.2	42
30	Optical properties of ZnO thin films prepared by solâ€“gel process. Microelectronics Journal, 2009, 40, 239-241.	2.0	41
31	Room-temperature ferromagnetism in Co-doped ZnO thin films prepared by solâ€“gel method. Journal of Magnetism and Magnetic Materials, 2007, 310, 2092-2094.	2.3	38
32	Effect of Al concentrations on the electrodeposition and properties of transparent Al-doped ZnO thin films. Journal of Materials Science: Materials in Electronics, 2014, 25, 1761-1769.	2.2	38
33	Improvement of the photocatalytic degradation property of atomic layer deposited ZnO thin films: the interplay between film properties and functional performances. Journal of Materials Chemistry A, 2015, 3, 11453-11461.	10.3	38
34	Enhanced Adhesion over Aluminum Solid Substrates by Controlled Atmospheric Plasma Deposition of Amine-Rich Primers. ACS Applied Materials & Interfaces, 2012, 4, 1072-1079.	8.0	37
35	As-doping effect on magnetic, optical and transport properties of Zn0.9Co0.1O diluted magnetic semiconductor. Chemical Physics Letters, 2006, 421, 184-188.	2.6	35
36	Organosilicon Coatings Deposited in Atmospheric Pressure Townsend Discharge for Gas Barrier Purpose: Effect of Substrate Temperature on Structure and Properties. ACS Applied Materials & Interfaces, 2012, 4, 5872-5882.	8.0	35

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37	Effect of ion irradiation on the structural and magnetic properties of sputtered CoPt alloy. Materials Science and Engineering C, 2003, 23, 229-233.	7.3	34
38	Effect of the thickness of the ZnO buffer layer on the properties of electrodeposited p-Cu₂O/n-ZnO/n-AZO heterojunctions. RSC Advances, 2016, 6, 68663-68674.	3.6	34
39	Origin of giant magnetoresistance contributions in electrodeposited Niâ€“Cu/Cu multilayers. Journal of Magnetism and Magnetic Materials, 2004, 269, 156-167.	2.3	33
40	Influence of flexible substrates on inverted organic solar cells using sputtered ZnO as cathode interfacial layer. Organic Electronics, 2013, 14, 1861-1868.	2.6	33
41	Tuning photovoltaic response in Bi₂FeCrO₆ films by ferroelectric poling. Nanoscale, 2018, 10, 13761-13766.	5.6	33
42	Influence of the growth technique on the coupling and magnetoresistance of Co/Ru sandwiches. Physical Review B, 1998, 57, 4842-4848.	3.2	32
43	Effect of ion irradiation on the structural and the magnetic properties of Zn0.75Co0.25O magnetic semiconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 333, 152-156.	2.1	32
44	Effect of La doping on the properties of Sr2â^'xLaxFeMoO6 double perovskite. Journal of Applied Physics, 2008, 104, .	2.5	32
45	Elaboration and characterization of Co-doped ZnO thin films deposited by spray pyrolysis technique. Microelectronics Journal, 2009, 40, 265-267.	2.0	32
46	High Superhydrophobicity Achieved on Poly(ethylene terephthalate) by Innovative Laser-Assisted Magnetron Sputtering. Journal of Physical Chemistry C, 2011, 115, 10675-10681.	3.1	32
47	Atmospheric Plasma Deposition Process: A Versatile Tool for the Design of Tunable Siloxanesâ€Based Plasma Polymer Films. Plasma Processes and Polymers, 2011, 8, 895-903.	3.0	32
48	Annealing treatment for restoring and controlling the interface morphology of organic photovoltaic cells with interfacial sputtered ZnO films on P3HT:PCBM active layers. Journal of Materials Chemistry, 2012, 22, 1606-1612.	6.7	32
49	Effect of strontium deficiency on the structural, magnetic and magnetocaloric properties of La_{0.65}Eu_{0.05}Sr_{0.3â^'x}MnO₃ (0 â‰¤ x â‰¤ 0.15) perovskites. RSC Advances, 2015, 5, 64557-64565.	3.6	31
50	Temperature dependence of the magnetoresistance in Co/Ru sandwich and superlattice structures. Journal of Magnetism and Magnetic Materials, 1995, 146, 66-76.	2.3	29
51	Inverse magnetoresistance in Co/Ru/Co and dopedCo/Ru/Co0.92Ru0.08sandwiches. Physical Review B, 1999, 59, 9475-9481.	3.2	29
52	Efficient energy transfer from ZnO to Nd³⁺ ions in Nd-doped ZnO films deposited by magnetron reactive sputtering. Journal of Materials Chemistry C, 2014, 2, 9182-9188.	5.5	29
53	Deposition Time Effect on the Physical Properties of Cu2ZnSnS4 (CZTS) Thin Films Obtained by Electrodeposition Route onto Mo-coated Glass Substrates. Energy Procedia, 2015, 84, 127-133.	1.8	29
54	Tunnel magnetoresistance in magnetic tunnel junctions with a ZnS barrier. Applied Physics Letters, 2001, 78, 3487-3489.	3.3	28

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55	NUCLEATION, GROWTH, AND MORPHOLOGICAL PROPERTIES OF ELECTRODEPOSITED NICKEL FILMS FROM DIFFERENT BATHS. Surface Review and Letters, 2008, 15, 717-725.	1.1	28
56	Structural, optical, spectroscopic and electrical properties of Mo-doped ZnO thin films grown by radio frequency magnetron sputtering. Thin Solid Films, 2014, 566, 61-69.	1.8	28
57	Structural properties of electrodeposited Co/Cu multilayers. Thin Solid Films, 1998, 318, 227-230.	1.8	27
58	Preserved interfacial magnetism and giant antiferromagnetic exchange coupling in Co/Rh sandwiches. Europhysics Letters, 1997, 39, 323-328.	2.0	26
59	Nano-ordered thin films achieved by soft atmospheric plasma polymerization. RSC Advances, 2013, 3, 4416.	3.6	26
60	Effect of nitrate concentration on the electrochemical growth and properties of ZnO nanostructures. Journal of Materials Science: Materials in Electronics, 2015, 26, 1217-1224.	2.2	26
61	Structural and magnetic properties of semiepitaxial Co/Cr multilayers. Physical Review B, 1993, 47, 15037-15045.	3.2	25
62	Absence of tunnel magnetoresistance in Sr2FeMoO6-based magnetic tunnel junctions. Chemical Physics Letters, 2007, 434, 276-279.	2.6	25
63	Luminescent Properties and Energy Transfer in Pr³⁺ Doped and Pr³⁺-Yb³⁺ Co-doped ZnO Thin Films. Journal of Physical Chemistry C, 2014, 118, 13775-13780.	3.1	25
64	Magnetic patterning using ion irradiation for highly ordered CoPt alloys with perpendicular anisotropy. Journal of Applied Physics, 2004, 96, 7420-7423.	2.5	24
65	Growth and properties of electrodeposited cobalt films on Pt/Si(100) surface. Applied Surface Science, 2004, 228, 320-325.	6.1	24
66	Electrochemical nucleation and growth of Co and CoFe alloys on Pt/Si substrates. Catalysis Today, 2006, 113, 257-262.	4.4	24
67	Epitaxial growth of one-dimensional Ca3Co2O6 thin films prepared by pulsed laser deposition. Applied Physics Letters, 2007, 91, .	3.3	24
68	Investigation at the atomic scale of the Co spatial distribution in Zn(Co)O magnetic semiconductor oxide. Journal of Applied Physics, 2009, 105, .	2.5	24
69	Optical and electronic properties of one-dimensional Ca3Co2O6 thin films: Influence of the oxygen pressure. Applied Physics Letters, 2009, 94, 141907.	3.3	23
70	Thickness-dependent optical band gap in one-dimensional Ca3Co2O6 nanometric films. Journal of Luminescence, 2012, 132, 457-460.	3.1	23
71	Magnetization plateaus in Ca3Co2O6 thin films. Journal of Materials Chemistry, 2008, 18, 5543.	6.7	22
72	Nucleation, growth and properties of Co nanostructures electrodeposited on n-Si(111). Applied Surface Science, 2012, 258, 3907-3912.	6.1	22

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73	Experimental evidence of the formation of a reentrant spin-glass phase in alloying two ferromagneticCoPt3andMnPt3compounds. Physical Review B, 1996, 53, 221-228.	3.2	21
74	Exchange coupling and magnetoresistance in Co/Ir multilayers prepared by ion beam sputtering. Europhysics Letters, 1998, 42, 331-338.	2.0	21
75	Synthesis and characterization of Ca3Co4O9 thin films prepared by solâ€“gel spin-coating technique on Al2O3(001). Thin Solid Films, 2010, 518, 4546-4548.	1.8	21
76	Magnetic properties and magnetic phase diagram of the frustratedCo1â^'xFexPt3compounds. Physical Review B, 1996, 54, 3408-3419.	3.2	20
77	Magnetic properties of Al-doped Zn0.95Co0.05O films: Experiment and theory. Journal of Applied Physics, 2009, 105, .	2.5	20
78	Correlation between magnetotransport properties and the microstructure of the Co20Cu80 granular alloy. Journal of Magnetism and Magnetic Materials, 2002, 238, 145-154.	2.3	19
79	Structural and magnetic properties of layered Ca3Co4O9 thin films. European Physical Journal B, 2008, 66, 315-319.	1.5	19
80	Electrochemical study of cobalt nucleation mechanisms on different metallic substrates. Materials Chemistry and Physics, 2008, 108, 345-352.	4.0	19
81	Morphology, structure, and magnetic properties of electrodeposited Ni films obtained from different pH solutions. Journal of Materials Science: Materials in Electronics, 2011, 22, 1804-1809.	2.2	19
82	Effect of Nd substitution on physical properties of multiferroic compound BiFeO3. Journal of Sol-Gel Science and Technology, 2015, 73, 673-678.	2.4	19
83	Impact of sputtered ZnO interfacial layer on the S-curve in conjugated polymer/fullerene based-inverted organic solar cells. Thin Solid Films, 2015, 576, 23-30.	1.8	18
84	Room temperature electronic transport properties of Co metal and Co(Ru) dilute alloys. Europhysics Letters, 2002, 58, 408-414.	2.0	17
85	Twoâ€Dimensional Antiferromagnetism in the [Mn_{3+x}O₇][Bi₄O_{4.5â^'y}] Compound with a Mapleâ€Leaf Lattice. Angewandte Chemie - International Edition, 2012, 51, 9393-9397.	13.8	17
86	Photon management properties of Yb-doped SnO₂ nanoparticles synthesized by the solâ€“gel technique. Physical Chemistry Chemical Physics, 2019, 21, 21407-21417.	2.8	17
87	Influence of fluorination on the 110 K transition in the Bi-Sr-Ca-Cu-O system. Physica C: Superconductivity and Its Applications, 1989, 159, 443-446.	1.2	16
88	Structural properties and oscillatory magnetoresistance of Co(hcp)/Cu sandwiches. Journal of Magnetism and Magnetic Materials, 1996, 164, 37-42.	2.3	16
89	Giant antiferromagnetic exchange coupling in ultrahigh-vacuum grown (111) Co/Rh sandwiches. Journal of Magnetism and Magnetic Materials, 1997, 165, 442-445.	2.3	16
90	Influence of the nature of the buffer on the coupling and the transport properties in Co/Ru/Co sandwiches. Journal of Applied Physics, 2000, 88, 1552-1558.	2.5	16

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91	Magnetic switching field distribution of patterned CoPt dots. Journal of Applied Physics, 2009, 105, .	2.5	16
92	Guideline to atomically flat TiO2-terminated SrTiO3(001) surfaces. Surface Science, 2018, 677, 39-45.	1.9	16
93	No ferromagnetic properties in polycrystalline Al-doped Zn0.97Mn0.03O diluted magnetic semiconductor. Thin Solid Films, 2010, 518, 4549-4552.	1.8	15
94	A study on electrodeposited Coâ€“Mo alloys thin films. Journal of Materials Science: Materials in Electronics, 2013, 24, 2962-2969.	2.2	15
95	Thickness Dependence and Strain Effects in Ferroelectric Bi₂FeCrO₆ Thin Films. ACS Applied Energy Materials, 2019, 2, 8550-8559.	5.1	15
96	Oscillatory magnetoresistance of superlattices. Solid State Communications, 1993, 85, 475-477.	1.9	14
97	Domain-phase transformations in antiferromagnetically coupled Co/Cu sandwiches. Journal of Magnetism and Magnetic Materials, 1997, 165, 446-449.	2.3	14
98	Actual fluorination of YBa 2 Cu 3 O x superconductors: Enhancement of superconducting properties and neutron diffraction studies. Physica C: Superconductivity and Its Applications, 1989, 162-164, 889-890.	1.2	13
99	Correlation between the structural and transport properties of granular CoAg systems prepared by MBE. Journal of Magnetism and Magnetic Materials, 1995, 148, 313-314.	2.3	13
100	Magnetic nanopatterning of CoPt thin layers. Journal of Magnetism and Magnetic Materials, 2005, 286, 297-300.	2.3	13
101	Temperature effect on magnetoresistance in Co/Ru sandwiches. Journal of Applied Physics, 1994, 75, 6548-6550.	2.5	12
102	Domain phases in antiferromagnetically coupled sandwiches. Journal of Applied Physics, 1997, 81, 4748-4750.	2.5	12
103	Magnetic Structure of Ground and Field Induced Ordered States of Low-Dimensional Î³-CoV₂O₆. Journal of Physical Chemistry C, 2014, 118, 13981-13987.	3.1	12
104	Coupling mechanism in Co/Ru sandwiches with thin spacers. Journal of Magnetism and Magnetic Materials, 1996, 156, 231-232.	2.3	11
105	Magnetic, transport, and structural properties of Fe/Co/Cu/[Co/Ir/Co] sandwiches and Fe/Co/Cu/[Co/Ir] multilayers prepared by ion-beam sputtering. Physical Review B, 2000, 62, 11709-11718.	3.2	11
106	NUCLEATION AND SURFACE MORPHOLOGY OF COBALT FILMS ELECTRODEPOSITED ON Pt/Si SUBSTRATES. Surface Review and Letters, 2005, 12, 391-396.	1.1	11
107	Epitaxial growth of Î³-CoV2O6 thin films: Structure, morphology, and magnetic properties. Applied Physics Letters, 2013, 102, .	3.3	11
108	Structural, electrical and optical properties of sprayed Ndâ€“F codoped ZnO thin films. Journal of Sol-Gel Science and Technology, 2015, 73, 557-562.	2.4	11

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109	Reducing and oxidizing annealings of bismuth high-Tc superconductors. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1215-1216.	1.2	10
110	Annealing effects on the 110 k transition in the Bi1,Sr1,Ca1Cu2 oxide superconductors. Materials Letters, 1989, 8, 165-170.	2.6	10
111	Preparation, Structure, Magnetic, and Magnetotransport Properties of Electrodeposited Co(Ru)/Ru Multilayers. Journal of the Electrochemical Society, 2002, 149, C469.	2.9	10
112	Magnetic anisotropy and microstructure in sputtered CoPt(110) films. Catalysis Today, 2004, 89, 325-330.	4.4	10
113	Spin wave and percolation studies in epitaxial La2/3Sr1/3MnO3 thin films grown by pulsed laser deposition. Journal of Magnetism and Magnetic Materials, 2016, 409, 34-38.	2.3	10
114	Cu(InGa)Se2 Solar Cell Efficiency Enhancement Using a Yb-Doped SnOx Photon Converting Layer. ACS Applied Energy Materials, 2019, 2, 5094-5102.	5.1	10
115	Nd-Doped SnO2 and ZnO for Application in Cu(InGa)Se2 Solar Cells. Science of Advanced Materials, 2017, 9, 2114-2120.	0.7	10
116	Magnetic irreversibilities of Co/Cu/Co structures with strong antiferromagnetic exchange coupling. Physical Review B, 2000, 62, 3917-3922.	3.2	9
117	Effect of nanostructuration on the magnetic properties of CoPt films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 207-211.	3.5	9
118	Growth and Magnetic Properties of La_{2/3}Sr_{1/3}MnO₃/Ca₃Co₂O₆ Bilayers. Journal of Physical Chemistry C, 2010, 114, 1684-1688.	3.1	9
119	Yb-doped zinc tin oxide thin film and its application to Cu(InGa)Se2 solar cells. Journal of Alloys and Compounds, 2020, 815, 152360.	5.5	9
120	Modeling of magnetic trilayers with interlayer coupling: Application to Co/Ru. Journal of Applied Physics, 1996, 79, 2601-2608.	2.5	8
121	Elaboration and characterization of the Sr2FeMoO6 double perovskite. Catalysis Today, 2004, 89, 297-302.	4.4	8
122	Effect of the nanometric scale thickness on the magnetization steps in Ca3Co2O6thin films. Journal of Physics Condensed Matter, 2011, 23, 276002.	1.8	8
123	Tailoring the optical properties of ZnO nano-layers and their effect on in vitro biocompatibility. RSC Advances, 2015, 5, 97635-97647.	3.6	8
124	Tailoring PEIE capped ZnO binary cathode for solution-processed inverted organic solar cells. Optical Materials, 2021, 116, 111070.	3.6	8
125	Effect of number of periods on magnetoresistance in Co/Ru superlattices. Journal of Magnetism and Magnetic Materials, 1995, 148, 327-328.	2.3	7
126	Temperature induced perpendicular magnetic anisotropy in Co/Cu/Co trilayers. Journal of Applied Physics, 1998, 84, 5668-5672.	2.5	7

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127	Magnetic tunnel junctions for magnetic random access memory applications. Materials Science and Engineering C, 2002, 19, 129-133.	7.3	7
128	Photon management properties of rare-earth (Nd,Yb,Sm)-doped CeO₂films prepared by pulsed laser deposition. Physical Chemistry Chemical Physics, 2016, 18, 2527-2534.	2.8	7
129	Tuneable Functionalization of Glass Fibre Membranes with ZnO/SnO2 Heterostructures for Photocatalytic Water Treatment: Effect of SnO2 Coverage Rate on the Photocatalytic Degradation of Organics. Catalysts, 2020, 10, 733.	3.5	7
130	Properties of Yb-added ZnO (Yb:ZnO) films as an energy-conversion layer on polycrystalline silicon solar cells. Materials Chemistry and Physics, 2021, 265, 124513.	4.0	7
131	Structure and magnetic anisotropy in Co(hcp)/Cu sandwiches. Journal of Magnetism and Magnetic Materials, 1996, 156, 371-372.	2.3	6
132	Structure and oscillatory magnetoresistance of sandwiches. Thin Solid Films, 1996, 275, 115-118.	1.8	6
133	Magnetic properties and magnetic phase diagram of frustrated Co1â^'xFexPt3 compounds. Journal of Applied Physics, 1997, 81, 5273-5275.	2.5	6
134	Comparative study between the effect of annealing and substrate temperature on the magnetic and transport properties of Co20Cu80 granular alloys. Materials Letters, 2001, 51, 48-55.	2.6	6
135	Tunnel magnetoresistance in magnetic tunnel junctions with ZnS barrier. Journal of Applied Physics, 2001, 89, 6748-6750.	2.5	6
136	H₂/N₂ MIXTURE ATMOSPHERE EFFECTS ON THE BEHAVIOR OF THE DOUBLE PEROVSKITE COMPOUND Sr₂CoMoO₆. International Journal of Modern Physics B, 2008, 22, 3579-3588.	2.0	6
137	The potential dependence of Coâ€“Cu alloy thin films electrodeposited on n-Si(100) substrate. Journal of Materials Science: Materials in Electronics, 2012, 23, 2245-2250.	2.2	6
138	Low-temperature growth and electronic structures of ambipolar Yb-doped zinc tin oxide transparent thin films. Applied Surface Science, 2018, 441, 49-54.	6.1	6
139	Competing anisotropies and magnetization processes in epitaxial Co/Ru asymmetric sandwich structures. Journal of Magnetism and Magnetic Materials, 1995, 148, 145-147.	2.3	5
140	Structure and giant magnetoresistance in Co/Cu sandwiches with thin Ag layers at the interfaces. Journal of Magnetism and Magnetic Materials, 1996, 156, 335-336.	2.3	5
141	Inverse magnetoresistance in Fe/Si ion beam sputtered sandwiches. Journal of Applied Physics, 1999, 85, 4477-4479.	2.5	5
142	Magnetic and transport properties of ion beam sputtered CoxCu1â^'x granular alloys. Vacuum, 2000, 56, 221-226.	3.5	5
143	Structural and magnetic properties of electrodeposited (Co/CoxZn1â^'x)n thin films. Journal of Magnetism and Magnetic Materials, 2007, 316, 8-12.	2.3	5
144	Cluster-variation-method simulations of theM1â^'xMxâ€²Pt3(M,Mâ€²=Mn,Fe,Co)magnetic phase diagrams with competing magnetic interactions. Physical Review B, 1997, 56, 693-698.	3.2	4

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145	Giant magnetoresistance in Fe and Co based spin valve structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 279, 255-260.	2.1	4
146	Effect of the buffer anisotropy on the rigidity of artificial antiferromagnetic hard magnetic layers in spin valve structures. Journal of Applied Physics, 2002, 91, 5268-5271.	2.5	4
147	Temperature dependence of transport properties in ZnS-based magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2002, 240, 152-155.	2.3	4
148	Random anisotropy model approach on ion beam sputtered Co20Cu80 granular alloy. Journal of Magnetism and Magnetic Materials, 2002, 241, 335-339.	2.3	4
149	Magnetic and transport properties of discontinuous metal-oxides multilayers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 97, 231-234.	3.5	4
150	Magnetic, transport and structural properties of Co/Ir multilayers grown by molecular beam epitaxy. Physica Status Solidi A, 2003, 199, 161-168.	1.7	4
151	Atmospheric plasma polymer films as templates for inorganic synthesis to yield functional hybrid coatings. RSC Advances, 2012, 2, 9860.	3.6	4
152	Magnetic properties simulations of CoRu interfaces. Computational Materials Science, 1998, 10, 269-272.	3.0	3
153	Thermal stability of spin valve sensors using artificial CoFe/Ir based ferrimagnets. Journal of Applied Physics, 2002, 91, 2172-2175.	2.5	3
154	Indirect exchange coupling between two ferromagnetic electrodes through ZnS barrier in magnetic tunnel junctions. Applied Physics Letters, 2003, 83, 2202-2204.	3.3	3
155	Structural properties of CoPt films patterned using ion irradiation. Catalysis Today, 2006, 113, 245-250.	4.4	3
156	Electrochemical Production of Magnetic Coâ€“Mo Alloys Thin Films. Sensor Letters, 2013, 11, 1622-1626.	0.4	3
157	Magnetization curves simulation in superlattices. Solid State Communications, 1995, 96, 549-555.	1.9	2
158	Correlation between magnetic and transport properties of Co/Ir/Co sandwiches and surface roughness. Thin Solid Films, 2000, 380, 137-141.	1.8	2
159	CoFe/Ir/CoFe artificial antiferromagnetic sandwich as a hard magnetic layer in hard-soft GMR sensors. IEEE Transactions on Magnetics, 2001, 37, 1736-1738.	2.1	2
160	Thermal stability of spin valve sensors using artificial Co/Ir based ferrimagnets. Journal of Magnetism and Magnetic Materials, 2002, 240, 186-188.	2.3	2
161	GMR enhancement in spin valves structures with nano-semiconducting layer. Journal of Magnetism and Magnetic Materials, 2002, 240, 196-199.	2.3	2
162	GROWTH, MORPHOLOGICAL AND STRUCTURAL PROPERTIES OF Ag THIN FILMS ON A Ru (0001) SURFACE GROWN BY MBE. Surface Review and Letters, 2004, 11, 563-568.	1.1	2

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163	Coupling between ferromagnetic electrodes through ZnS barrier. Journal of Magnetism and Magnetic Materials, 2005, 286, 134-137.	2.3	2
164	Nucleation, growth and structural properties of epitaxial Coâ€“Ag alloy films. Applied Surface Science, 2005, 246, 132-138.	6.1	2
165	Structural and magnetic study of hardâ€“soft systems with ZnO barrier grown by pulsed laser deposition. Microelectronics Journal, 2009, 40, 246-249.	2.0	2
166	Reduction of conductivity and ferromagnetism induced by Ag doping in ZnO:Co. Thin Solid Films, 2013, 545, 488-495.	1.8	2
167	Study of hybrid organicâ€“inorganic halide perovskite solar cells based on MAI[(PbI2)1â^'x(CuI)x] absorber layers and their long-term stability. Journal of Materials Science: Materials in Electronics, 2021, 32, 20684-20697.	2.2	2
168	Giant magnetoresistance increase in a hardâ€“soft spin valve structure with the growth of a semiconductor layer. Thin Solid Films, 2000, 380, 211-214.	1.8	1
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