

Mohindar S Seehra

List of Publications by Year in descending order

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49
papers

1,141
citations

430874

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414414

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docs citations

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times ranked

1469
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the tricritical point, Hâ€T phase diagram and exchange interactions in the antiferromagnet MnTa ₂ O ₆ . Journal of Physics Condensed Matter, 2022, 34, 155801.	1.8	6
2	Antiferromagnetic short-range order and cluster spin-glass state in diluted spinel ZnTiCo ₄ . Journal of Physics Condensed Matter, 2022, , .	1.8	4
3	Identification of a Fe-Dependent Optical Mode in CuAl _{1-x} Fe _x O ₂ . Journal of Physical Chemistry C, 2021, 125, 3577-3583.	3.1	3
4	Magnetic ground state and exchange interactions in the Ising chain ferromagnet $\text{Co}_x\text{Nb}_{1-x}\text{O}_6$. Physical Review B, 2021, 103, .	3.2	18
5	Structure-property correlations and scaling in the magnetic and magnetocaloric properties of GdCr ₃ particles. Journal of Physics Condensed Matter, 2021, 33, 205801.	1.8	11
6	Comparison of the dielectric and magnetocaloric properties of bulk and film of GdFe _{0.5} Cr _{0.5} O ₃ . Journal of Applied Physics, 2021, 129, .	2.5	13
7	Lattice dynamics and magnetic exchange interactions in GeCo_2O_4 spinel with pyrochlore lattice. Physical Review B, 2021, 104, .	3.2	7
8	Magnetic field-temperature phase diagram, exchange constants and specific heat exponents of the antiferromagnet MnNb ₂ O ₆ . Journal of Physics Condensed Matter, 2021, 33, 345801.	1.8	6
9	Spin dynamics and relaxation in 7.6 nm thin film of La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ : ac magnetic susceptibility and magnetic viscosity investigations. Journal of Applied Physics, 2020, 128, 073903.	2.5	6
10	Effects of Oxygen Modification on the Structural and Magnetic Properties of Highly Epitaxial La _{0.7} Sr _{0.3} MnO ₃ (LSMO) thin films. Scientific Reports, 2020, 10, 3659.	3.3	35
11	Magnetocaloric investigations show magnetic inhomogeneity in a 7.6Ånm thin film of La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ . Journal of Alloys and Compounds, 2020, 826, 154200.	5.5	7
12	Antiferromagnetism, spin-glass state, Hâ€T phase diagram, and inverse magnetocaloric effect in Co ₂ RuO ₄ . Journal of Physics Condensed Matter, 2020, 32, 485806.	1.8	22
13	Magnetic properties of Fe-doped CuAlO ₂ and role of impurities. AIP Advances, 2019, 9, .	1.3	12
14	Magnetic exchange interactions and band gap bowing in NixMg _{1-x} O (0.0â€1.0): A GGA+U density functional study. Journal of Applied Physics, 2019, 126, 233904.	2.5	4
15	Induced ferromagnetism in multilayered graphene in proximity with CoFe ₂ O ₄ . AIP Advances, 2018, 8, .	1.3	8
16	Observation and interpretation of negative remanent magnetization and inverted hysteresis loops in a thin film of La _{0.7} Sr _{0.3} MnO ₃ . Journal of Physics Condensed Matter, 2018, 30, 405804.	1.8	11
17	Enhancement in magnetocaloric properties of ErCrO ₃ via A-site Gd substitution. Journal of Applied Physics, 2018, 123, .	2.5	28
18	Particle size dependence of the magnetic and magneto-caloric properties of HoCrO ₃ . Journal of Applied Physics, 2017, 121, .	2.5	32

#	ARTICLE	IF	CITATIONS
19	Magnetic investigations of phase transitions, exchange interactions, and magnetic ground state in nanosheets of $\text{Fe}^{2+}\text{-Co(OH)}_2$. Journal of Physics Condensed Matter, 2017, 29, 225803.	1.8	10
20	Magnetic and magnetocaloric properties of HoCrO_3 tuned by selective rare-earth doping. Physical Review B, 2017, 95, .	3.2	43
21	Correlation between X-ray diffraction and Raman spectra of 16 commercial graphene-based materials and their resulting classification. Carbon, 2017, 111, 380-385.	10.3	80
22	Enhanced magnetic properties of carbon nanotubes and multilayer graphene decorated with Co_3O_4 . , 2016, , .		2
23	Ising-like chain magnetism, Arrhenius magnetic relaxation, and case against 3D magnetic ordering in Mn^{2+} -manganese phthalocyanine ($\text{C}_{32}\text{H}_{16}\text{MnN}_8$). Journal of Physics Condensed Matter, 2016, 28, 136002.	1.8	15
24	Diamagnetism of β -Nickel Phthalocyanine ($\text{C}_{32}\text{H}_{16}\text{N}_8\text{Ni}$) and Effects of Impurities. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	2
25	Magnetic Determination of the Electronic State of Cu and Exchange Interactions in the α - and β -Phases of Molecular Semiconductor Copper Phthalocyanine ($\text{C}_{32}\text{H}_{16}\text{N}_8\text{Cu}$). IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
26	Detection and quantification of 2H and 3R phases in commercial graphene-based materials. Carbon, 2015, 95, 818-823.	10.3	65
27	Synthetic Doped Amorphous Ferrihydrite for the Fischer-Tropsch Synthesis of Alternative Fuels. Industrial & Engineering Chemistry Research, 2012, 51, 4515-4522.	3.7	5
28	Size-Controlled Ferromagnetism in Capped CdSe Quantum Dots. Advanced Materials, 2008, 20, 1656-1660.	21.0	57
29	Characterization of Fine Particulate Matter Produced by Combustion of Residual Fuel Oil. Journal of the Air and Waste Management Association, 2000, 50, 1106-1114.	1.9	76
30	Effects of Re concentration on the expansivity of NiRe alloys to 1200 K. Journal of Physics Condensed Matter, 1998, 10, 7349-7356.	1.8	0
31	Sulfur-Promoted Degradation of Polyethylene/Polypropylene Detected by Electron Spin Resonance Spectroscopy. Energy & Fuels, 1997, 11, 926-930.	5.1	11
32	Development and Evaluation of Diffuse Reflectance Spectroscopy for Determining Silica in Respirable Dusts. Journal of Occupational and Environmental Hygiene, 1996, 11, 767-770.	0.4	3
33	Low temperature magnetic transition and high temperature oxidation in INCONEL alloy 718. Journal of Materials Research, 1996, 11, 1133-1136.	2.6	11
34	Magnetic specific heat and critical magnetic susceptibility of the diluted antiferromagnet $\text{CoMg}_{1-x}\text{PO}$. Journal of Applied Physics, 1993, 73, 5468-5470.	2.5	6
35	Site selectivities and magnetic moments of V, Cr, and Mn doped in TiAl alloys. Journal of Materials Research, 1993, 8, 989-994.	2.6	5
36	Determination of particle size distribution in an Fe_2O_3 -based catalyst using magnetometry and x-ray diffraction. Journal of Materials Research, 1992, 7, 1856-1860.	2.6	41

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37	Phase diagram and magnetic properties of the diluted fcc system $\text{Ni}_{1-x}\text{Mg}_x\text{PO}$. Physical Review B, 1992, 45, 2184-2189.	3.2	49
38	Site selectivity of Mn atoms in TiAl alloys determined by x-ray scattering. Journal of Materials Research, 1991, 6, 339-342.	2.6	17
39	Effect of magnetic dilution on magnetic ordering in $\text{Ni}_{1-x}\text{Mg}_x\text{PO}$. Journal of Applied Physics, 1991, 70, 6161-6163.	2.5	16
40	Effects of Oxygen Stoichiometry on The Magnetic Ordering of $\text{La}_2\text{Ni}_1\text{YCu}_4\text{O}_{14}$. Materials Research Society Symposia Proceedings, 1989, 169, 57.	0.1	0
41	Magnetic structures of fcc systems with nearest-neighbor and next-nearest-neighbor exchange interactions. Physical Review B, 1988, 38, 11898-11900.	3.2	54
42	Percolation effects and magnetic properties of the randomly diluted fcc system $\text{Co}_{1-x}\text{Mg}_x\text{PO}$. Physical Review B, 1987, 35, 6847-6853.	3.2	52
43	Magnetic susceptibilities, their temperature variation, and exchange constants of NiO. Physical Review B, 1984, 29, 6295-6298.	3.2	68
44	Variation of magnetic properties of Fe ₂ O ₃ with nonstoichiometry. Journal of Applied Physics, 1984, 55, 2327-2329.	2.5	8
45	Anomalous changes in the dielectric constants of MnF ₂ near its Néel temperature. Journal of Applied Physics, 1984, 55, 2330-2332.	2.5	24
46	Magnetic properties of Mn ₃ O ₄ and a solution of the canted-spin problem. Physical Review B, 1983, 28, 1-7.	3.2	127
47	Dielectric anomaly in MnO near the magnetic phase transition. Physical Review B, 1981, 24, 5098-5102.	3.2	29
48	Frequency Dependence of the EPR Linewidth in MnF ₂ Near the Critical Point. Journal of Applied Physics, 1971, 42, 1290-1292.	2.5	26
49	Magnetic Ground State and Tunable Néel Temperature in the Spin $\frac{1}{2}$ Linear Chain Antiferromagnet $\text{Co}(\text{OH})_2$. Physica Status Solidi (B): Basic Research, 0, , 2100438.	1.5	1