

Jose L Martinez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1938880/publications.pdf>

Version: 2024-02-01

376
papers

9,496
citations

50170

46
h-index

54797

84
g-index

392
all docs

392
docs citations

392
times ranked

7179
citing authors

#	ARTICLE	IF	CITATIONS
1	Incommensurate magnetic fluctuations in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. Physical Review Letters, 1991, 67, 1791-1794.	2.9	534
2	Neutron diffraction study on structural and magnetic properties of La_2NiO_4 . Journal of Physics Condensed Matter, 1991, 3, 3215-3234.	0.7	377
3	Structural characterization of R_2BaCuO_5 (R = Y, Lu, Yb, Tm, Er, Ho, Dy, Gd, Eu and Sm) oxides by X-ray and neutron diffraction. Journal of Solid State Chemistry, 1992, 100, 201-211.	1.4	293
4	Magnetic structure of hexagonal RMnO_3 (R=Y, La , Sc): Thermal evolution from neutron powder diffraction data. Physical Review B, 2000, 62, 9498-9510.	1.1	287
5	Finding Universal Correlations between Cationic Disorder and Low Field Magnetoresistance in FeMo Double Perovskite Series. Physical Review Letters, 2001, 86, 2443-2446.	2.9	232
6	Complex Magnetism and Magnetic Structures of the Metastable HoMnO_3 Perovskite. Inorganic Chemistry, 2001, 40, 1020-1028.	1.9	215
7	Ferromagnetic/superconducting proximity effect in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superlattices. Physical Review B, 2003, 67, .	1.1	197
8	Giant Magnetoresistance in Ferromagnet/Superconductor Superlattices. Physical Review Letters, 2005, 94, 057002.	2.9	187
9	Coupling of superconductors through a half-metallic ferromagnet: Evidence for a long-range proximity effect. Physical Review B, 2004, 69, .	1.1	152
10	Origin of neutron magnetic scattering in antite-disordered $\text{Sr}_2\text{FeMoO}_6$ double perovskites. Physical Review B, 2002, 65, .	1.1	150
11	Antiferromagnetic ordering in Co-Cu single-crystal superlattices. Physical Review B, 1989, 39, 9726-9729.	1.1	145
12	Evolution of the Magnetic Structure of Hexagonal HoMnO_3 from Neutron Powder Diffraction Data. Chemistry of Materials, 2001, 13, 1497-1505.	3.2	144
13	The magnetic structure of YMnO_3 perovskite revisited. Journal of Physics Condensed Matter, 2002, 14, 3285-3294.	0.7	143
14	Conduction channels and magnetoresistance in polycrystalline manganites. Physical Review B, 1999, 60, 7328-7334.	1.1	136
15	Low-temperature magnetoresistance in polycrystalline manganites: connectivity versus grain size. Applied Physics Letters, 1999, 74, 3884-3886.	1.5	132
16	A structural study from neutron diffraction data and magnetic properties of (R = La, rare earth). Journal of Physics Condensed Matter, 1997, 9, 8515-8526.	0.7	130
17	Magnetic structure and properties of BiMn_2O_5 oxide: A neutron diffraction study. Physical Review B, 2002, 65, .	1.1	120
18	Structural, thermal, transport, and magnetic properties of the charge-ordered $\text{La}_{1/3}\text{Ca}_{2/3}\text{MnO}_3$ oxide. Physical Review B, 1999, 59, 1277-1284.	1.1	117

#	ARTICLE	IF	CITATIONS
19	Induction of Colossal Magnetoresistance in the Double Perovskite Sr ₂ CoMoO ₆ . Chemistry of Materials, 2002, 14, 812-818.	3.2	117
20	Origin of the colossal dielectric response of Pr _{0.6} Ca _{0.4} MnO ₃ . Physical Review B, 2005, 72, .	1.1	117
21	Structure and Magnetic Properties of Sr ₂ CoWO ₆ : An Ordered Double Perovskite Containing Co ²⁺ (HS) with Unquenched Orbital Magnetic Moment. Chemistry of Materials, 2003, 15, 1655-1663.	3.2	114
22	Enhanced magnetoresistance in the complex perovskite LaCu ₃ Mn ₄ O ₁₂ . Applied Physics Letters, 2003, 83, 2623-2625.	1.5	111
23	Preparation, Crystal Structure, and Magnetic and Magnetotransport Properties of the Double Perovskite Ca ₂ FeMoO ₆ . Chemistry of Materials, 2000, 12, 161-168.	3.2	108
24	Pressure Induced Effects on the Fermi Surface of Superconducting 2H-NbSe ₂ . Physical Review Letters, 2005, 95, 117006.	2.9	107
25	Anomalous structural phase transition in stoichiometric La ₂ NiO ₄ . Physical Review B, 1988, 38, 7148-7151.	1.1	94
26	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	0.7	90
27	Superconductivity depression in ultrathin YBa ₂ Cu ₃ O _{7-δ} layers in La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O _{7-δ} superlattices. Applied Physics Letters, 2002, 81, 4568-4570.	1.5	86
28	Experimental Study of New Type Phase Transition in Triangular Lattice Antiferromagnet VCl ₂ . Journal of the Physical Society of Japan, 1987, 56, 4027-4039.	0.7	83
29	Coulomb blockade versus intergrain resistance in colossal magnetoresistive manganite granular films. Physical Review B, 2000, 61, 9549-9552.	1.1	78
30	Record Seebeck coefficient and extremely low thermal conductivity in nanostructured SnSe. Applied Physics Letters, 2015, 106, .	1.5	73
31	Giant Seebeck effect in Ge-doped SnSe. Scientific Reports, 2016, 6, 26774.	1.6	67
32	Neutron diffraction study of the magnetic structure of Er ₂ BaNiO ₅ . Solid State Communications, 1990, 76, 467-474.	0.9	66
33	Structural Phase Transitions and Three-Dimensional Magnetic Ordering in the Nd ₂ NiO ₄ Oxide. Europhysics Letters, 1990, 11, 261-268.	0.7	65
34	Structural and magnetic properties of ultrathin epitaxial La _{0.7} Ca _{0.3} MnO ₃ manganite films: Strain versus finite size effects. Applied Physics Letters, 2003, 83, 713-715.	1.5	64
35	Structural Characterization and Polymorphism of R ₂ BaNiO ₅ (R = Nd, Gd, Dy, Y, Ho, Er, Tm, Yb) Studied by Neutron Diffraction. Journal of Solid State Chemistry, 1993, 103, 322-333.	1.4	59
36	Magnetic susceptibility and field-induced transitions in R ₂ BaNiO ₅ compounds (R = Tm, Er, Ho, Dy, Tb). Tj ETQq0 0 Q rgBT /Overlock 10 T	1.6	58

#	ARTICLE	IF	CITATIONS
37	Preparation, Crystal and Magnetic Structure, and Magnetotransport Properties of the Double Perovskite $\text{CaCu}_{2.5}\text{Mn}_{4.5}\text{O}_{12}$. <i>Chemistry of Materials</i> , 2003, 15, 2193-2200.	3.2	58
38	Collective excitations in liquid methanol: A comparison of molecular, lattice dynamics, and neutron scattering results. <i>Journal of Chemical Physics</i> , 1992, 96, 7696-7709.	1.2	57
39	High-Pressure Preparation, Crystal Structure, Magnetic Properties, and Phase Transitions in GdNiO_3 and DyNiO_3 Perovskites. <i>Chemistry of Materials</i> , 1999, 11, 2463-2469.	3.2	57
40	X-ray Study of the Spinel LiMn_2O_4 at Low Temperatures. <i>Chemistry of Materials</i> , 1999, 11, 3629-3635.	3.2	56
41	The Complexity of the Complexes. A Twelve-fold Anchored Ligand in a Co(II) Hybrid Polymeric Material with Ferromagnetic Order. <i>Chemistry of Materials</i> , 2002, 14, 1879-1883.	3.2	56
42	Record saturation magnetization, Curie temperature, and magnetoresistance in $\text{Sr}_2\text{FeMoO}_6$ double perovskite synthesized by wet-chemistry techniques. <i>Applied Physics Letters</i> , 2004, 85, 266-268.	1.5	55
43	Ordering of Oxygen Vacancies and Magnetic Properties in $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ ($0 \leq x \leq 0.5$). <i>Journal of Solid State Chemistry</i> , 1999, 148, 158-168.	1.4	52
44	Room Temperature Magnetoresistance and Cluster-Glass Behavior in the $\text{Tl}_{2-x}\text{Bi}_x\text{Mn}_2\text{O}_7$ ($0 \leq x \leq 0.5$) Pyrochlore Series. <i>Physical Review Letters</i> , 1999, 82, 189-192.	2.9	51
45	Magnetic excitations and phase transitions in UPd_3 . <i>Physica B: Condensed Matter</i> , 1993, 186-188, 670-674.	1.3	47
46	Pressure dependence of the upper critical field of MgB_2 and of $\text{YNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 2004, 70, .	1.1	47
47	Low-frequency excitations in a molecular glass: Single-particle dynamics. <i>Physical Review B</i> , 1992, 46, 6173-6186.	1.1	46
48	Microscopic nature of the electron doping effects in the double perovskite $\text{Sr}_{2-x}\text{La}_x\text{FeMoO}_6$ ($0 \leq x \leq 1$) series. <i>Journal of Materials Chemistry</i> , 2003, 13, 1771-1777.	6.7	46
49	Structural characterization of R_2BaNiO_5 ($\text{R}=\text{Tm}$ and Yb): polymorphism for $\text{R}=\text{Tm}$. <i>Solid State Communications</i> , 1991, 78, 481-488.	0.9	45
50	Low-temperature magnetic structure of YBaCuFeO_5 and the effect of partial substitution of yttrium by calcium. <i>Physical Review B</i> , 1998, 58, 6291-6297.	1.1	44
51	Spin-flop magnetoresistance in Gd/Co multilayers. <i>Physical Review B</i> , 1999, 60, 6678-6684.	1.1	43
52	Neutron diffraction study of the magnetic ordering in the series R_2BaNiO_5 ($\text{R} = \text{Rare Earth}$). <i>European Physical Journal B</i> , 2001, 24, 59-70.	0.6	43
53	Anisotropic magnetoresistance and anomalous Hall effect in manganite thin films. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 2733-2740.	0.7	41
54	Enhanced figure of merit in nanostructured $(\text{Bi,Sb})_2\text{Te}_3$ with optimized composition, prepared by a straightforward arc-melting procedure. <i>Scientific Reports</i> , 2017, 7, 6277.	1.6	41

#	ARTICLE	IF	CITATIONS
55	Magnetic and structural phase transitions in UPd ₃ . Journal of Magnetism and Magnetic Materials, 1992, 108, 163-164.	1.0	40
56	High-temperature phase transformation of oxidized R ₂ NiO ₄ + δ (R=La, Pr and Nd) under vacuum. Solid State Ionics, 1993, 63-65, 902-906.	1.3	40
57	Structural and magnetic phase transitions in Pr ₂ NiO ₄ . European Physical Journal B, 1991, 82, 275-282.	0.6	39
58	Collective excitations in liquid deuterium: Neutron-scattering and correlated-density-matrix results. Physical Review B, 1993, 47, 15097-15112.	1.1	38
59	Ferromagnetism in Ba ₅ Co ₅ O ₁₄ : A structural, transport, thermal, and magnetic study. Physical Review B, 2005, 71, .	1.1	38
60	Synthesis, Structural, and Magnetic Characterization of a New Ferrimagnetic Oxide: YFeMnO ₅ . Chemistry of Materials, 2004, 16, 4087-4094.	3.2	37
61	Magnetic and X-ray diffraction characterization of stoichiometric Pr ₂ NiO ₄ and Nd ₂ NiO ₄ oxides. Solid State Communications, 1989, 72, 273-277.	0.9	36
62	Spin-dependent magnetoresistance of ferromagnet/superconductor/ferromagnet La _{0.7} Ca _{0.3} MnO ₃ δ /YBa ₂ Cu ₃ O ₇ δ /La _{0.7} Ca _{0.3} MnO ₃ trilayers. Physical Review B, 2007, 75, .	1.1	36
63	Crystallographic and magnetic transitions in CeVO ₃ : A neutron diffraction study. Physical Review B, 2003, 68, .	1.1	35
64	Longitudinal spin fluctuations in nickel. Physical Review B, 1991, 43, 575-584.	1.1	34
65	Optical phonons in R ₂ BaMO ₅ oxides with M=Co, Ni, Cu, and R=a rare earth. Physical Review B, 1993, 47, 14898-14904.	1.1	34
66	Paramagnetic Meissner effect in YBa ₂ Cu ₃ O ₇ δ /La _{0.7} Ca _{0.3} MnO ₃ superlattices. Physical Review B, 2006, 73, .	1.1	34
67	Non-collinear magnetic structures of Fe-based amorphous alloys. Journal of Physics Condensed Matter, 1991, 3, 9521-9537.	0.7	33
68	Mn ⁴⁺ cation localization in La-rich La _{1-x} Ca _x MnO _y manganites. Physical Review B, 2000, 62, 11328-11331.	1.1	33
69	Nonequilibrium magnetic dynamics in mechanically alloyed materials. Physical Review B, 2001, 64, .	1.1	33
70	On the microscopic origin of the "boson" peak in glassy materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 195, 236-244.	0.9	32
71	A Study of the Magnetic Structure of LaMn ₂ O ₅ from Neutron Powder Diffraction Data. European Journal of Inorganic Chemistry, 2005, 2005, 685-691.	1.0	32
72	Propagating spin waves in Ni above T _c : Evidence against their existence. Physical Review B, 1987, 36, 881-883.	1.1	31

#	ARTICLE	IF	CITATIONS
73	Magnetic structure of Ho ₂ BaNiO ₅ . Solid State Communications, 1993, 85, 553-559.	0.9	31
74	Unveiling the Correlation between the Crystalline Structure of M-Filled CoSb ₃ (M = Y, K). Journal of Applied Physics, 2020, 30, 2001651.	7.8	31
75	Low thermal conductivity in La-filled cobalt antimonide skutterudites with an inhomogeneous filling factor prepared under high-pressure conditions. Journal of Materials Chemistry A, 2018, 6, 118-126.	5.2	30
76	Non-Linear Susceptibility in U _{0.9} Th _{0.1} Be ₁₃ : Evidence of a Transition from a Paramagnetic to a Quadrupolar Kondo Ground State. Europhysics Letters, 1995, 32, 765-770.	0.7	29
77	Enhancement of ferromagnetic coupling in Sb-substituted Tl ₂ Mn ₂ O ₇ pyrochlores. Physical Review B, 1999, 60, R15024-R15027.	1.1	29
78	H-Bond in methanol: a molecular dynamics study. Journal of Molecular Structure, 1991, 250, 147-170.	1.8	28
79	Low-frequency excitations in glassy selenium: A comparison of neutron-scattering and molecular-dynamics results. Physical Review B, 1993, 48, 149-160.	1.1	28
80	Evidence of nanostructuring and reduced thermal conductivity in n-type Sb-alloyed SnSe thermoelectric polycrystals. Journal of Applied Physics, 2019, 126, .	1.1	28
81	Structural and magnetic transition in YbVO ₃ : a neutron diffraction study. Journal of Materials Chemistry, 2003, 13, 1234-1240.	6.7	27
82	Charge Transfer and Disorder in Double Perovskites. Chemistry of Materials, 2004, 16, 3565-3572.	3.2	27
83	Synthesis and study of the crystallographic and magnetic structure of the ferrimagnetic oxide ErFeMnO ₅ . Physical Review B, 2005, 72, .	1.1	27
84	Structural and magnetic properties of Sr ₂ RuO ₄ -type oxides. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 179-180.	1.0	26
85	Synthesis, Structural Characterization, and Magnetic Study of Sr ₄ Mn ₂ CoO ₉ . Chemistry of Materials, 2003, 15, 3537-3542.	3.2	26
86	Relation between the magnetic properties and the crystal and electronic structures of manganese spinels LiNi _{0.5} Mn _{1.5} O ₄ and LiCu _{0.5} Mn _{1.5} O ₄ (0 < x < 0.125). Journal of Applied Physics, 2006, 100, 093908.	1.1	26
87	Collective excitations in liquid methanol studied by coherent inelastic neutron scattering. Journal of Physics Condensed Matter, 1990, 2, 6659-6672.	0.7	25
88	Dynamics of longitudinal and transverse fluctuations above T _c in EuS. Physical Review B, 1991, 43, 8755-8758.	1.1	25
89	Crystal structure of the high temperature phase of oxidised Pr ₂ NiO ₄ . Zeitschrift für Physik B-Condensed Matter, 1996, 100, 85-90.	1.1	25
90	Temperature dependence of magnetization reversal in magnetostrictive glass-coated amorphous microwires. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1145-1148.	2.6	25

#	ARTICLE	IF	CITATIONS
91	Nanostructured Bi ₂ Te ₃ Prepared by a Straightforward Arc-Melting Method. <i>Nanoscale Research Letters</i> , 2016, 11, 142.	3.1	25
92	Lattice instability and low-temperature phase transition in Pr ₂ NiO ₄ . <i>Physical Review B</i> , 1991, 43, 13766-13769.	1.1	24
93	Phonon dispersion in polycrystalline ice: Implications for the collective behavior of liquid water. <i>Physical Review E</i> , 1993, 47, 3516-3523.	0.8	24
94	Structural phase transition in polycrystalline SnSe: a neutron diffraction study in correlation with thermoelectric properties. <i>Journal of Applied Crystallography</i> , 2016, 49, 2138-2144.	1.9	24
95	Critical relaxation of short range correlations in the mixed crystal Rb _{1-x} (ND ₄) _x D ₂ PO ₄ . <i>European Physical Journal B</i> , 1986, 64, 13-18.	0.6	23
96	Optical phonons, crystal-field transitions, and europium luminescence-excitation processes in Eu ₂ BaCoO ₅ : Experiment and theory. <i>Physical Review B</i> , 1994, 50, 9157-9168.	1.1	23
97	Microscopic dynamics of liquid gallium. <i>Physical Review E</i> , 1994, 49, 3133-3142.	0.8	23
98	Structure Characterization and Magnetic Behavior of NaNi ₄ (PO ₄) ₃ and KMn ₄ (PO ₄) ₃ . <i>Journal of Solid State Chemistry</i> , 1999, 144, 169-174.	1.4	23
99	Thermal Evolution of the Crystallographic and Magnetic Structure in LuVO ₃ : A Neutron Diffraction Study. <i>Chemistry of Materials</i> , 2004, 16, 1544-1550.	3.2	23
100	High-Performance n-type SnSe Thermoelectric Polycrystal Prepared by Arc-Melting. <i>Cell Reports Physical Science</i> , 2020, 1, 100263.	2.8	23
101	Coherent Inelastic Neutron Scattering Response from Liquid Methanol. <i>Europhysics Letters</i> , 1990, 12, 129-134.	0.7	22
102	Unprecedented magnetoresistance in Cd-substituted Tl ₂ Mn ₂ O ₇ pyrochlores. <i>Applied Physics Letters</i> , 2000, 76, 3274-3276.	1.5	22
103	Extra-low thermal conductivity in unfilled CoSb ₃ skutterudite synthesized under high-pressure conditions. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	22
104	Microscopic dynamics of ortho-terphenyl in its polycrystalline and glassy forms. <i>Molecular Physics</i> , 1994, 82, 787-814.	0.8	21
105	Low field magnetoresistance at the metal-insulator transition in epitaxial manganite thin films. <i>Applied Physics Letters</i> , 2002, 81, 319-321.	1.5	21
106	Peculiar Magnetic Behavior of the TbCu ₃ Mn ₄ O ₁₂ Complex Perovskite. <i>Chemistry of Materials</i> , 2005, 17, 5070-5076.	3.2	21
107	Substantial thermal conductivity reduction in mischmetal skutterudites Mm _x Co ₄ Sb ₁₂ prepared under high-pressure conditions, due to uneven distribution of the rare-earth elements. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4124-4131.	2.7	21
108	Large Enhancement of Critical Current in Superconducting Devices by Gate Voltage. <i>Nano Letters</i> , 2021, 21, 216-221.	4.5	21

#	ARTICLE	IF	CITATIONS
109	Magnon dispersion of the dipolar ferromagnet EuS near the zone center. <i>Physical Review B</i> , 1995, 52, 10142-10149.	1.1	20
110	Crystal and magnetic structure of the double perovskite Sr ₂ CoUO ₆ : a neutron diffraction study. <i>Dalton Transactions</i> , 2005, , 447-451.	1.6	20
111	Spin-phonon coupling in uniaxial anisotropic spin-glass based on Fe ₂ TiO ₅ pseudobrookite. <i>Journal of Alloys and Compounds</i> , 2019, 799, 563-572.	2.8	20
112	Improving room temperature magnetoresistance in derivatives of ferrimagnetic CaCu ₃ Mn ₄ O ₁₂ perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E1407-E1409.	1.0	19
113	Enhanced stability in CH ₃ NH ₃ PbI ₃ hybrid perovskite from mechano-chemical synthesis: structural, microstructural and optoelectronic characterization. <i>Scientific Reports</i> , 2020, 10, 11228.	1.6	19
114	Spin dynamics in Ni near T _C : A high-resolution neutron scattering study. <i>Physical Review B</i> , 1985, 32, 7037-7042.	1.1	18
115	Thermal transport in glassy selenium: The role of low-frequency librations. <i>Physical Review B</i> , 1994, 49, 8689-8695.	1.1	18
116	Oxygen vacancy control in the defect pyrochlore: a way to tune the electronic bandwidth. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 361-369.	0.7	18
117	Synthesis and Study of the Crystallographic and Magnetic Structure of HoFeMnO ₅ . <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1972-1979.	1.0	18
118	Collective excitations in liquid deuterium studied by inelastic neutron scattering. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 158, 253-257.	0.9	17
119	Synthesis, Structural Characterization, and Electronic Properties of the LaNi _{1-x} W _x O ₃ (0 ≤ x ≤ 0.25) Perovskite-like System. <i>Journal of Solid State Chemistry</i> , 1996, 125, 47-53.	1.4	17
120	Magnetic behavior of oxidized iron thin films prepared by sputtering at very low temperatures. <i>Surface Science</i> , 2001, 482-485, 1095-1100.	0.8	17
121	Synthesis and Structural Characterization of Ba ₆ Mn ₅ O ₁₆ : The First Layered Oxide Isostructural to Cs ₆ Ni ₅ F ₁₆ . <i>Chemistry of Materials</i> , 2002, 14, 4006-4008.	3.2	17
122	Temperature dependence of the internal bias in TGS-alanine crystals near T _c . <i>Ferroelectrics, Letters Section</i> , 1983, 44, 221-226.	0.4	17
123	Collective Low-Frequency Excitations in a Molecular Glass. <i>Europhysics Letters</i> , 1991, 15, 509-514.	0.7	16
124	Comparison of the paramagnetic spin fluctuations in nickel with asymptotic renormalization-group theory. <i>Physical Review B</i> , 1993, 47, 3171-3179.	1.1	16
125	Metamagnetism in single-crystal Pr ₂ NiO ₄ . <i>Physical Review B</i> , 1993, 47, 5834-5840.	1.1	16
126	Anomalous ground state in U _{0.9} Th _{0.1} Be ₁₃ . <i>Physica B: Condensed Matter</i> , 1995, 206-207, 454-456.	1.3	16

#	ARTICLE	IF	CITATIONS
127	Structural characterization of ZrO ₂ nanoparticles obtained by aerosol pyrolysis. Journal of Materials Chemistry, 1997, 7, 1017-1022.	6.7	16
128	Raman scattering study of Rb _{1-x} (ND ₄) ₂ PO ₄ mixed crystal. Ferroelectrics, 1987, 76, 23-32.	0.3	15
129	Observation of high frequency excitations in a molecular glass. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 150, 201-206.	0.9	15
130	Raman scattering of orthorhombic and tetragonal Ln ₂ NiO _{4+δ} (Ln identical to La, Pr, Nd) oxides. Journal of Physics Condensed Matter, 1991, 3, 3813-3823.	0.7	15
131	Magnetic transitions in Nd ₂ NiO ₄ . Physical Review B, 1991, 43, 10451-10454.	1.1	15
132	Collective dynamics of liquid carbon tetrachloride studied by inelastic neutron scattering and computer simulation. Journal of Chemical Physics, 1992, 96, 8477-8484.	1.2	15
133	Single-particle dynamics of liquid CCl ₄ : a comparison of molecular dynamics and neutron quasi-elastic scattering results. Journal of Physics Condensed Matter, 1992, 4, 1213-1231.	0.7	15
134	The structural characterization of Co-Cu(100) superlattices by X-ray absorption spectroscopy. Journal of Physics Condensed Matter, 1994, 6, 4981-4990.	0.7	15
135	Influence of the Oxidation on the Magnetic and Transport Properties in the (La _{1-x} Cax) _z MnzO _y (0 < x < 1) Tj ETQq1 1,0,784314 rgBT /O 3.2 15	3.2	15
136	Large Increase in Magnetoresistance and Cluster-Glass Behavior in Defect Ti _{2-x} Mn ₂ O _{7-y} Pyrochlores. Chemistry of Materials, 2000, 12, 1127-1133.	3.2	15
137	Magnetic Behavior of the LiFeTiO ₄ Spinel. Chemistry of Materials, 2005, 17, 4162-4167.	3.2	15
138	Structural, Magnetic, and Electrical Behavior of Low Dimensional Ba ₂ CoO ₄ . Chemistry of Materials, 2006, 18, 3898-3903.	3.2	15
139	A combined study of the magnetic properties of GdCrO ₄ . Journal of Physics Condensed Matter, 2006, 18, 7893-7904.	0.7	15
140	Thermal Conductivity Reduction by Fluctuation of the Filling Fraction in Filled Cobalt Antimonide Skutterudite Thermoelectrics. ACS Applied Energy Materials, 2018, 1, 6181-6189.	2.5	15
141	Neutron diffraction study on the orthorhombic form of La ₂ NiO ₄ . Journal of the Less Common Metals, 1989, 149, 357-361.	0.9	14
142	Vibrational study of R ₂ BaNiO ₅ (R=Y, Ho, Er or Tm), NiO ₆ one-dimensional chains, and Tm ₂ BaNiO ₅ , NiO ₅ pyramids. Solid State Communications, 1992, 82, 931-937.	0.9	14
143	Synthesis and magnetic behaviour of the novel Pr ₂ BaCuO ₅ oxide. Journal of Alloys and Compounds, 1998, 269, 57-59.	2.8	14
144	Time-dependent heat capacity of Mn ₁₂ clusters. Physical Review B, 1999, 60, 14557-14560.	1.1	14

#	ARTICLE	IF	CITATIONS
145	Structural and Magnetic Characterization of NdCaCrO ₄ Oxide. Journal of Solid State Chemistry, 1999, 148, 361-369.	1.4	14
146	Role of calcium ions as doped-hole attractors in destabilizing charge-ordered states in Mn perovskites. Physical Review B, 2001, 64, .	1.1	14
147	Design specification for the European Spallation Source neutron generating target element. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 856, 99-108.	0.7	14
148	Influence of Doping and Nanostructuration on n-Type Bi ₂ (Te _{0.8} Se _{0.2}) ₃ Alloys Synthesized by Arc Melting. Nanoscale Research Letters, 2017, 12, 47.	3.1	14
149	Low lattice thermal conductivity in arc-melted GeTe with Ge-deficient crystal structure. Applied Physics Letters, 2018, 113, .	1.5	14
150	Experimental Observation of Monoclinic Distortion in the Insulating Regime of SmNiO ₃ by Synchrotron X-ray Diffraction. Inorganic Chemistry, 2019, 58, 11828-11835.	1.9	14
151	Excess heat capacity in a molecular glass: an assessment based on calorimetric and neutron scattering data. Journal of Physics Condensed Matter, 1992, 4, 9581-9594.	0.7	13
152	Magnetic Dynamics in Liquid Oxygen. Europhysics Letters, 1992, 20, 71-77.	0.7	13
153	X-ray Diffraction, XPS, and Magnetic Properties of Lanthanide-Based Misfit-Layered Sulfides Intercalated with Cobaltocene. Chemistry of Materials, 2000, 12, 3792-3797.	3.2	13
154	Disorder-induced phase segregation in La _{2/3} Ca _{1/3} MnO ₃ manganites. Physical Review B, 2003, 68, .	1.1	13
155	Strain induced phase separation in La _{0.67} Ca _{0.33} MnO ₃ ultra thin films. Journal of Physics and Chemistry of Solids, 2006, 67, 472-475.	1.9	13
156	Dielectric-constant logarithmic correction in RbH ₂ PO ₄ above the Curie point. Physical Review B, 1985, 32, 400-402.	1.1	12
157	The structure of Fe-Ni amorphous alloys. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 159-160.	1.0	12
158	Polymorphism in the oxides R ₂ BaNiO ₅ (R=Tm, Yb, Lu). Solid State Ionics, 1993, 63-65, 915-921.	1.3	12
159	The effect of substitutional mis-site disorder on the structural, magnetic and electronic transport properties of Sr ₂ FeMoO ₆ double perovskites. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 729-731.	1.0	12
160	Order-Disorder Transitions and Magnetic Behaviour in Lithium Ferrites Li _{0.5+0.5x} Fe _{2.5-1.5x} Ti _x O ₄ (x =) Tj ETQq0 0,0 rgBT /Overlock 10	1.0	12
161	Pressure effect in the structure, transport properties, and magnetic interactions of Ti ₂ Mn ₂ O ₇ pyrochlore derivatives. Physical Review B, 2003, 67, .	1.1	12
162	Synthesis, Structural, and Magnetic Characterization of YCrMnO ₅ . European Journal of Inorganic Chemistry, 2005, 2005, 2600-2606.	1.0	12

#	ARTICLE	IF	CITATIONS
163	Crystal field splitting and magnetic behavior of Nd ₂ BaCuO ₅ single crystals. <i>Physical Review B</i> , 2005, 71, .	1.1	12
164	Structural Features, Anisotropic Thermal Expansion, and Thermoelectric Performance in Bulk Black Phosphorus Synthesized under High Pressure. <i>Inorganic Chemistry</i> , 2020, 59, 14932-14943.	1.9	12
165	Magnetic structure of $\text{FeC}_2\text{O}_4 \cdot 2\text{D}_2\text{O}$. <i>Journal of Applied Physics</i> , 1987, 61, 3420-3422.	1.1	11
166	Observation of propagating collective excitations in liquid SO ₂ . <i>Journal of Chemical Physics</i> , 1991, 95, 5387-5391.	1.2	11
167	Phase diagram on La ^{1-x} Ca _x MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 520-521.	1.0	11
168	Crystal and Magnetic Structure of PrCaCrO ₄ . <i>Journal of Solid State Chemistry</i> , 1999, 142, 29-32.	1.4	11
169	Collective dynamics on a crystal composed by disparate-mass particles: Li ₂ Pb ₅ . <i>Physical Review E</i> , 1999, 59, 3212-3222.	0.8	11
170	Structural characterisation and spin glass behaviour of the new oxide Ba ₂ ScCoO ₅ . <i>Journal of Materials Chemistry</i> , 1999, 9, 525-528.	6.7	11
171	Electron injection in Te-doped derivatives of Ti ₂ Mn ₂ O ₇ pyrochlore. <i>Physical Review B</i> , 2001, 64, .	1.1	11
172	Temperature dependence of remagnetization process in bistable magnetic microwires. <i>Journal of Non-Crystalline Solids</i> , 2003, 329, 123-130.	1.5	11
173	Divalent chromium in the octahedral positions of the novel hybrid perovskites CH ₃ NH ₃ Pb _{1-x} Cr _x (Br,Cl) ₃ (x = 0.25, 0.5): Induction of narrow bands inside the bandgap. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153414.	2.8	11
174	Temperature dependence of the Raman spectra of RbH ₂ PO ₄ and RbD ₂ PO ₄ . <i>Ferroelectrics</i> , 1985, 65, 43-53.	0.3	10
175	Thermochemistry of molecular complexes. 3. Molecular complexes of iodine with halogenated benzene derivatives. <i>Journal of Organic Chemistry</i> , 1990, 55, 1122-1125.	1.7	10
176	Hypersonic relaxation in liquid methanol. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 569-576.	0.7	10
177	Dynamical study of the structural and magnetic phases in Pr ₂ NiO ₄ single crystals by Raman spectroscopy. <i>Physical Review B</i> , 1992, 45, 12821-12829.	1.1	10
178	On the origin of the low-frequency excitations in glassy selenium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 175, 217-224.	0.9	10
179	Nature of the first diffraction peak in glassy selenium. <i>Physical Review B</i> , 1995, 51, 11932-11935.	1.1	10
180	Phase transitions and magnetic behaviour of R _{1-x} Ca _x CrO ₄ oxides (R = Y or Sm) (0 ≤ x ≤ 0.5). <i>Journal of Alloys and Compounds</i> , 1995, 225, 203-207.	2.8	10

#	ARTICLE	IF	CITATIONS
181	Nd ³⁺ crystal-field transitions studied by Raman and FIR spectroscopies in Nd ₂ BaZnO ₅ . Physical Review B, 1997, 55, 3568-3573.	1.1	10
182	Magnetic Dynamics in Condensed Oxygen: Recent Experimental Results. Journal of Low Temperature Physics, 1998, 111, 287-303.	0.6	10
183	Redistribution of Cr ³⁺ defect centres in LiNbO ₃ crystals: the MgO effect. Optical Materials, 1998, 10, 69-77.	1.7	10
184	La ^{1-x} Ca ^x Mn ^{1-y} O manganites thin films on silicon. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 530-531.	1.0	10
185	A New Family of Manganese(II,III) Rare Earth Pyrochlores. Chemistry of Materials, 2000, 12, 1217-1221.	3.2	10
186	First-order transition and phase separation in pyrochlores with colossal magnetoresistance. Physical Review B, 2002, 66, .	1.1	10
187	Structural and Magnetic Study of Sr _{3.3} Ca _{0.7} CoRh ₂ O ₉ : A New Partially Ordered Antiferromagnetic System. Chemistry of Materials, 2002, 14, 4948-4954.	3.2	10
188	Magnetic characterization of layered Ba ₆ Mn ₅ O ₁₆ and Ba ₄ Mn ₃ O ₁₀ . Physical Review B, 2004, 69, .	1.1	10
189	Thermoelectric functionality of Ca ₃ Co ₄ O ₉ epitaxial thin films on yttria-stabilized zirconia crystalline substrate. Journal of Alloys and Compounds, 2017, 710, 151-158.	2.8	10
190	Temperature dependence of internal modes and local symmetry of PO ₄ tetrahedra in RbH ₂ PO ₄ (RDP) and RbD ₂ PO ₄ (DRDP) by Raman scattering. Solid State Communications, 1984, 52, 499-501.	0.9	9
191	Optical spectroscopy of Pb ²⁺ in NaCl: Validity of a Jahn-Teller (Fukuda) model. Physical Review B, 1985, 31, 5437-5442.	1.1	9
192	Evidence for magnetic excitations in liquid oxygen. Journal of Physics Condensed Matter, 1991, 3, 3849-3853.	0.7	9
193	Collective excitations in a dense dipolar fluid studied by inelastic neutron scattering. Journal of Physics Condensed Matter, 1991, 3, 4075-4087.	0.7	9
194	Maximum entropy analysis of dipolar anisotropic magnetic scattering above TC in EuS. Physica B: Condensed Matter, 1992, 180-181, 214-216.	1.3	9
195	Magnetic dynamics in the disordered phases of condensed oxygen. Journal of Physics Condensed Matter, 1993, 5, 423-442.	0.7	9
196	Muon spin relaxation in condensed oxygen. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1996, 73, 689-705.	0.6	9
197	Temperature evolution of the magnetic structures in R ₂ BaNiO ₅ oxides. Physica B: Condensed Matter, 1997, 234-236, 567-568.	1.3	9
198	Outstanding Atomic Order in Ruddlesden-Popper Oxide Microcrystals. Chemistry of Materials, 2015, 27, 1397-1404.	3.2	9

#	ARTICLE	IF	CITATIONS
199	Influence of Nanostructuring on PbTe Alloys Synthesized by Arc-Melting. <i>Materials</i> , 2019, 12, 3783.	1.3	9
200	Structural evolution, optical gap and thermoelectric properties of $\text{CH}_3\text{NH}_3\text{SnBr}_3$ hybrid perovskite, prepared by mechanochemistry. <i>Materials Advances</i> , 2021, 2, 3620-3628.	2.6	9
201	Enhancing the Néel temperature in 3d/5d $\text{R}_2\text{NiR}_6\text{O}_6$ (R=La, Pr and Nd) double perovskites by reducing the R^{3+} ionic radii. <i>Acta Materialia</i> , 2021, 207, 116684.	3.8	9
202	Magnetic Properties of Efficient Catalysts Based on La-Doped Ceria-Supported Nickel Nanoparticles for rWGS Reaction. Influence of Ni Loading. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100029.	2.7	9
203	Atomic Structure and Lattice Dynamics of CoSb_3 Skutterudite-Based Thermoelectrics. <i>Chemistry of Materials</i> , 2022, 34, 1213-1224.	3.2	9
204	Antiferromagnetism in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4-y}$. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1273-1274.	0.6	8
205	Magnetic excitations in single crystal $\text{U}(\text{Pd}_{1-x}\text{Pt}_x)_3$. <i>Physica B: Condensed Matter</i> , 1990, 163, 371-374.	1.3	8
206	X-ray absorption spectroscopy and magnetization study of the $\text{Y}_2\text{Ca}_z\text{BaNiO}_5$ oxides. <i>Journal of Alloys and Compounds</i> , 1994, 210, 31-35.	2.8	8
207	Structural behavior of sputtered Co/Cu multilayers. <i>Solid State Communications</i> , 1996, 98, 179-184.	0.9	8
208	Structural and magnetoresistance study of $\text{La}_x\text{Mn}_y\text{O}_{3\pm z}$. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 708-709.	1.3	8
209	Raman phonons in orthorhombic manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 453-454.	1.0	8
210	Cation Distribution in Lithium Nickel Oxide Crystals. <i>Chemistry of Materials</i> , 2000, 12, 2001-2007.	3.2	8
211	Structural evolution of a Ge-substituted SnSe thermoelectric material with low thermal conductivity. <i>Journal of Applied Crystallography</i> , 2018, 51, 337-343.	1.9	8
212	Features of the High-Temperature Structural Evolution of GeTe Thermoelectric Probed by Neutron and Synchrotron Powder Diffraction. <i>Metals</i> , 2020, 10, 48.	1.0	8
213	Correlation between Crystal Structure and Thermoelectric Properties of $\text{Sr}_{1-x}\text{Ti}_{0.9}\text{Nb}_{0.1}\text{O}_{3\pm z}$ Ceramics. <i>Crystals</i> , 2020, 10, 100.	1.0	8
214	Metastable Materials Accessed under Moderate Pressure Conditions ($P \approx 3.5$ GPa) in a Piston-Cylinder Press. <i>Materials</i> , 2021, 14, 1946.	1.3	8
215	Unveiling the Structural Behavior under Pressure of Filled $\text{M}_{0.5}\text{Co}_4\text{Sb}_{12}$ (M = K, Sr, La, Ce, and Yb) Thermoelectric Skutterudites. <i>Inorganic Chemistry</i> , 2021, 60, 7413-7421.	1.9	8
216	Low frequency relaxation effects in pure and doped BaTiO_3 . <i>Ferroelectrics</i> , 1988, 81, 19-22.	0.3	7

#	ARTICLE	IF	CITATIONS
217	Thermal hysteresis and relaxation effects near T_C in alanine doped triglycine sulphate. <i>Ferroelectrics</i> , 1988, 81, 49-52.	0.3	7
218	Neutron-diffraction study on the field dependent magnetic ordering in Co/Cu superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 93, 89-94.	1.0	7
219	Magnetic transitions in Pr_2NiO_4 single crystal. <i>Journal of Applied Physics</i> , 1991, 70, 6329-6331.	1.1	7
220	Spin dynamics in beta -oxygen. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 6295-6312.	0.7	7
221	Collective low-frequency excitations in a molecular glass. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 405-420.	0.7	7
222	Correlated atomic motions in glassy selenium. <i>Physical Review B</i> , 1994, 50, 13286-13296.	1.1	7
223	Magnetic properties of novel R_2BaCoO_5 oxides ($\text{R} = \text{Pr, Nd, Ho}$). <i>Journal of Alloys and Compounds</i> , 1994, 207-208, 257-262.	2.8	7
224	Anomalous temperature dependence of the first diffraction peak in vitreous boron trioxide. <i>Physical Review B</i> , 1996, 54, 244-254.	1.1	7
225	Electrical Transport and Magnetic Properties of Misfit Layered Compounds Intercalated with Cobaltocene. <i>Chemistry of Materials</i> , 1999, 11, 2737-2742.	3.2	7
226	Low Frequency Magnetic Response in Antiferromagnetically Coupled Fe/Cr Multilayers. <i>Physical Review Letters</i> , 2002, 88, 187201.	2.9	7
227	Powder magnetoresistance of $\text{Tl}_2\text{Mn}_2\text{O}_7$ and related compounds. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 3465-3480.	0.7	7
228	Studies of magnetoresistance and structure in Co-Ni-Cu thin wires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3717-3721.	0.8	7
229	Structural-Magnetic Properties Relationship in a New Commensurate Material: $\text{Sr}_9\text{Mn}_5\text{Co}_2\text{O}_{21}$. <i>Chemistry of Materials</i> , 2004, 16, 5408-5413.	3.2	7
230	Detailed Structural Features of the Perovskite-Related Halide RbPb_3 for Solar Cell Applications. <i>Inorganic Chemistry</i> , 2022, 61, 5502-5511.	1.9	7
231	Temperature dependence of the internal bias in TGS-Alanine crystals near T_c . <i>Ferroelectrics</i> , 1982, 44, 221-226.	0.3	6
232	Dielectric constant discontinuity of tetragonal RbD_2PO_4 at the phase transition. <i>Solid State Communications</i> , 1984, 52, 1-3.	0.9	6
233	Epitaxial growth of metals: from monolayer to superlattice. <i>Vacuum</i> , 1990, 41, 482-484.	1.6	6
234	EXAFS and Raman study of stoichiometric and oxidized Nd_2NiO_4 . <i>Solid State Communications</i> , 1991, 80, 975-980.	0.9	6

#	ARTICLE	IF	CITATIONS
235	Collective excitations in a molecular classical liquid. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 172, 177-183.	0.9	6
236	Weak ferromagnetism of $Gd_{1.85}Th_{0.15}CuO_4$ under pressure. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 532-534.	1.0	6
237	Lattice dynamics of ortho-terphenyl. <i>Molecular Physics</i> , 1993, 80, 1263-1267.	0.8	6
238	Inelastic neutron and light scattering studies on liquid sulphur dioxide. <i>Molecular Physics</i> , 1993, 78, 821-836.	0.8	6
239	New phases in the SrO - La_2O_3 - TiO_2 - CuO system with the K_2NiF_4 structure. <i>Journal of Materials Chemistry</i> , 1997, 7, 661-666.	6.7	6
240	Nickel Oxidation State and Magnetic Properties of Hole-Doped and Reduced $Nd_{2-x}Sr_xNiO_y$ Compounds. <i>Journal of Solid State Chemistry</i> , 1998, 140, 278-284.	1.4	6
241	Synthesis and Structural Study of the Thermochromic Compounds Bis(2-amino-4-oxo-6-methylpyrimidinium) Tetrachlorocuprate(II) and Bis(2-amino-4-chloro-6-methylpyrimidinium) Hexachlorodicuprate(II). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1999, 54, 718-724.	0.3	6
242	Local structure around Fe and Cu ions in $PrBaFeCuO_5$. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 102-106.	2.8	6
243	Influence of charge-carrier density on the magnetic and magnetotransport properties of $Ti_{2-x}Cd_xMn_2O_7$ pyrochlores ($x < 0.2$). <i>Physical Review B</i> , 2002, 66, .	1.1	6
244	Long length scale interaction between magnetism and superconductivity in $La_{0.3}Ca_{0.7}MnO_3/YBa_2Cu_3O_7$ superlattices. <i>European Physical Journal B</i> , 2004, 40, 479-482.	0.6	6
245	Electron and hole doping effects in Sr_2FeMoO_6 double perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1732-1733.	1.0	6
246	Pulsed laser deposition of Sr_2FeMoO_6 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, e119-e122.	1.0	6
247	Vortex decoupling in LCMO/YBCO superlattices. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 387-390.	1.9	6
248	$SnSe:Kx$ intermetallic thermoelectric polycrystals prepared by arc-melting. <i>Journal of Materials Science</i> , 2022, 57, 8489-8503.	1.7	6
249	Spin dynamics in 1D antiferromagnetic system $Y_2BaNi_{1-x}Zn_xO_5$. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 572-573.	1.3	5
250	Conduction mechanisms in pure and doped polycrystalline orthorhombic manganites. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 527-530.	2.8	5
251	A neutron diffraction study of the crystallographic and magnetic structure of $LuVO_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2163-2164.	1.0	5
252	Neutron powder diffraction study on Nd_2BaCuO_5 oxide. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 613-617.	2.8	5

#	ARTICLE	IF	CITATIONS
253	Role of volume versus defects in the electrical resistivity of lattice-distorted V(001) ultrathin films. <i>Physical Review B</i> , 2007, 76, .	1.1	5
254	An evaluation of activation and radiation damage effects for the European Spallation Source Target. <i>Journal of Nuclear Science and Technology</i> , 2018, 55, 548-558.	0.7	5
255	Lower temperature of the structural transition, and thermoelectric properties in Sn-substituted GeTe. <i>Materials Today: Proceedings</i> , 2021, 44, 3450-3457.	0.9	5
256	Strongly reduced lattice thermal conductivity in Sn-doped rare-earth (M) filled skutterudites $M_{x}Co_{4}Sb_{12}ySn_{y}$, promoted by Sb-Sn disordering and phase segregation. <i>RSC Advances</i> , 2021, 11, 26421-26431.	1.7	5
257	On the lack of monoclinic distortion in the insulating regime of EuNiO_3 and GdNiO_3 perovskites by high-angular resolution synchrotron X-ray diffraction: a comparison with YNiO_3 . <i>Dalton Transactions</i> , 2021, 50, 7085-7093.	1.6	5
258	Well behaved temperature dependence of the ferroelectric coercive field near T_{cin} Tgs. <i>Ferroelectrics</i> , 1982, 44, 5-10.	0.3	4
259	Statistical theory of $\hat{\pm}$ -alanine doped triglycine sulphate near T_{c} and comparison with experimental data. <i>Ferroelectrics</i> , 1988, 88, 101-109.	0.3	4
260	Magnetic dynamics in the disordered phases of oxygen. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 843-844.	1.3	4
261	Coherent excitations in liquid deuterium. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 845-847.	1.3	4
262	Spin waves in the ferrimagnetic and ferromagnetic phases of thulium. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 158-160.	1.3	4
263	Polymorphism and magnetic properties of $\text{Tm}_2\text{BaNiO}_5$. <i>Materials Chemistry and Physics</i> , 1992, 31, 145-149.	2.0	4
264	Microscopic dynamics in molecular glasses. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 201, 286-294.	1.2	4
265	Neutron scattering from polycrystalline ice (Ih): Some keys to understanding the collective behavior of liquid water. <i>Physical Review E</i> , 1993, 48, 2300-2303.	0.8	4
266	Magnetic properties of R_2BaNiO_5 oxides. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 193-194.	1.3	4
267	Redetermination of Bis(2-aminopyrimidinium) Tetrabromocopper(II) at 200 and 100K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 1786-1789.	0.4	4
268	Effects of extra oxygen on the structure and superconductivity of $\text{La}_{2-x}\text{Ca}_x\text{CuO}_{4+y}$ prepared by chemical oxidation. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 297, 277-293.	0.6	4
269	Influence of the microstructure on the magnetoresistance of manganite thin films. <i>Thin Solid Films</i> , 2000, 373, 98-101.	0.8	4
270	Anomalous magnetic behavior of iron thin films prepared by DC sputtering at very low temperatures. <i>Scripta Materialia</i> , 2000, 43, 919-923.	2.6	4

#	ARTICLE	IF	CITATIONS
271	Spin-glass-like static and dynamic properties of mechanically alloyed Fe ^{1-x} Re ^x Cr. Journal of Applied Physics, 2000, 87, 6534-6536.	1.1	4
272	Study of the incommensurate ^{1-x} commensurate magnetic transition in HoMnO ₃ perovskite. Journal of Alloys and Compounds, 2001, 323-324, 486-489.	2.8	4
273	Structural characterization and physical properties of LaNi _{1-x} MoxO ₃ (0.05 ≤ x ≤ 0.20) perovskites. Journal of Materials Chemistry, 2001, 11, 673-677.	6.7	4
274	Raman spectroscopic evidence of phase segregation and its dependence on isotope substitution in (La _{1-x} Nd _x) _{0.7} Ca _{0.3} MnO ₃ . Journal of Magnetism and Magnetic Materials, 2002, 242-245, 651-654.	1.0	4
275	Microstructural characterization of iron thin films prepared by sputtering at very low temperatures. Vacuum, 2002, 67, 583-588.	1.6	4
276	Transport properties and magnetoresistance of La ^{1-x} Ca ^x manganites near the optimal doping concentrations. Journal of Solid State Chemistry, 2003, 171, 76-83.	1.4	4
277	Magnetoresistance in Co ^{1-x} Ni ^x Cu glass coated microwires. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1389-E1391.	1.0	4
278	Magnetoresistance in Granular Co ^{1-x} Cu Glass-Coated Microwires. IEEE Transactions on Magnetics, 2004, 40, 2254-2256.	1.2	4
279	Spin dependent transport at oxide La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ ferromagnet/superconductor interfaces. Journal of the European Ceramic Society, 2007, 27, 3967-3970.	2.8	4
280	Low temperature colossal magnetocapacitance in. Journal of Magnetism and Magnetic Materials, 2007, 316, e677-e679.	1.0	4
281	Facile Preparation of State-of-the Art Thermoelectric Materials by High-pressure Synthesis. Materials Today: Proceedings, 2015, 2, 661-668.	0.9	4
282	Chlorine Insertion Promoting Iron Reduction in Ba ^{1-x} Fe ^x Hexagonal Perovskites: Effect on the Structural and Magnetic Properties. Inorganic Chemistry, 2016, 55, 6261-6270.	1.9	4
283	Atomically Resolved Short-Range Order at the Nanoscale in the Ca ^{1-x} Mn ^x O System. Inorganic Chemistry, 2017, 56, 11753-11761.	1.9	4
284	Facile preparation of SnSe derivatives in nanostructured polycrystalline form by arc-melting synthesis. Materials Today: Proceedings, 2018, 5, 10218-10226.	0.9	4
285	Well behaved temperature dependence of the ferroelectric coercive field near T _c in TGS. Ferroelectrics, Letters Section, 1982, 44, 5-10.	0.4	4
286	The structural evolution, optical gap, and thermoelectric properties of the RbPb ₂ Br ₅ layered halide, prepared by mechanochemistry. Journal of Materials Chemistry C, 2022, 10, 6857-6865.	2.7	4
287	Magnetization Processes Analysis in Co-Cu Superlattices. Materials Research Society Symposia Proceedings, 1989, 151, 117.	0.1	3
288	Neutron quasielastic scattering from molecular liquids and glasses. Physica B: Condensed Matter, 1992, 182, 289-301.	1.3	3

#	ARTICLE	IF	CITATIONS
289	Magnetic properties of 3D-metal superlattices and multilayers: a neutron diffraction study. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 39-42.	1.3	3
290	Low temperature phase and magnetic ordering in Pr ₂ NiO ₄ . <i>Physica B: Condensed Matter</i> , 1992, 180-181, 122-124.	1.3	3
291	Some Notes on Debye-Waller Factors of Molecular Glassy Materials. <i>Europhysics Letters</i> , 1993, 24, 545-550.	0.7	3
292	Temperature dependence of collective excitations in liquid deuterium studied by neutron inelastic scattering. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 5743-5754.	0.7	3
293	Dipolar anisotropy of spinwaves in the isotropic ferromagnets EuS and Pd ₂ MnSn. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 303-305.	1.3	3
294	Bulk magnetic characterization of RCaCrO ₄ (R → Y, Pr, Sm) oxides. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1179-1180.	1.0	3
295	Structural behavior of Co/Cu multilayers studied by X-ray absorption spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 161, 31-36.	1.0	3
296	Comment on "Transition from Normal to Fast Sound in Liquid Water". <i>Physical Review Letters</i> , 1997, 78, 975-975.	2.9	3
297	Luminescence properties of Nd ₂ BaZnO ₅ . <i>Journal of Luminescence</i> , 1997, 72-74, 174-176.	1.5	3
298	Observation of a spin-polarized current through single atom quantum point contacts. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 264-265.	1.3	3
299	Analysis of magnetotransport data of Ti ₂ Mn ₂ O ₇ pyrochlore: evidence for half-metallicity. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 8725-8732.	0.7	3
300	Superlattices of magnetoresistive Ca- and Sr-doped manganese perovskites: Interface effects. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, e115-e118.	1.0	3
301	Correlation between atomic structure and magnetic properties of La _{0.7} Ca _{0.3} MnO ₃ thin films grown on SrTiO ₃ (100). <i>Physica B: Condensed Matter</i> , 2005, 357, 159-164.	1.3	3
302	Nanostructured Thermoelectric Chalcogenides. , 2018, , .		3
303	Magnon-mediated magnetoresistance in layered manganites. <i>Physical Review B</i> , 2019, 99, .	1.1	3
304	Novel insights into the magnetic behavior of non-stoichiometric LaMnO _{3-x} nanoparticles. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10361-10371.	2.7	3
305	Singular manifolds of the star potential in the six-dim space. <i>Ferroelectrics</i> , 1984, 54, 25-28.	0.3	2
306	A re-examination of the incommensurate phase of RbD ₃ (SeO ₃) ₂ by neutron diffraction. <i>Ferroelectrics</i> , 1987, 76, 167-173.	0.3	2

#	ARTICLE	IF	CITATIONS
307	Longitudinal spin fluctuations in nickel. <i>Journal of Applied Physics</i> , 1990, 67, 5436-5438.	1.1	2
308	Quasielastic neutron scattering in condensed oxygen. <i>Physica B: Condensed Matter</i> , 1992, 182, 409-414.	1.3	2
309	Relaxational dynamics in molecular glass formers. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 167-174.	1.5	2
310	Low-temperature thermal expansion of crystalline ortho-terphenyl. <i>Molecular Physics</i> , 1995, 85, 1037-1042.	0.8	2
311	Effect of the rare earth substitution on the optical phonons of LaRBaCuO ₅ (R=Nd and Eu) oxides. <i>Journal of Alloys and Compounds</i> , 1995, 225, 216-219.	2.8	2
312	Characterization and magnetic properties of R ₂ ~xCaxBaNiO ₅ oxides (R = 1/4 Y and Sm). <i>Journal of Alloys and Compounds</i> , 1995, 225, 208-211.	2.8	2
313	Effect of magnetic ordering on the low energy excitations of R ₂ BaNiO ₅ (R = Ho, Er) studied by neutron and optic spectroscopies. <i>Physica B: Condensed Matter</i> , 1997, 241-243, 646-648.	1.3	2
314	Structure and magnetic properties of LaBaCuPtO oxide. <i>Annales De Chimie: Science Des Materiaux</i> , 1998, 23, 301-304.	0.2	2
315	Magnetism of RCaCrO ₄ (R: Pr, Nd, Sm and Eu) oxides. <i>Journal of Alloys and Compounds</i> , 2000, 303-304, 293-297.	2.8	2
316	Synthesis and properties of Tl ₂ Mn _{2-x} Ti _x O ₇ pyrochlores with colossal magnetoresistance. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 10991-11000.	0.7	2
317	Pressure Dependence of the Transport and Magnetic Properties of Colossal Magnetoresistance Tl ₂ Mn ₂ O ₇ Pyrochlore System. <i>High Pressure Research</i> , 2002, 22, 143-146.	0.4	2
318	Magnetic and transport properties of a Pb substituted Tl ₂ Mn ₂ O ₇ pyrochlore. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 725-728.	1.0	2
319	Neutron-diffraction magnetic scattering in ordered and disordered Sr ₂ FeMoO ₆ . <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1752-s1754.	1.1	2
320	Doping effects on the valence band of Tl ₂ Mn ₂ O ₇ pyrochlores: Relation to magnetoresistance. <i>Applied Physics Letters</i> , 2004, 84, 4209-4211.	1.5	2
321	High Pressure Synthesis and Characterization of New Members of the RuSr ₂ (RE, Ce) ₂ Cu ₂ O ₁₀ Family (RE) Tj ETQq _{1,0,6} 0.7843 ₂ 14 rgBT		
322	Magnetic properties and magnetic structure of. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1575-1577.	1.0	2
323	Nanostructured State-of-the-Art Thermoelectric Materials Prepared by Straight-Forward Arc-Melting Method. , 0, , .		2
324	Large Seebeck coefficients in La ₂ NiO ₄ +δ with tuned δ values. <i>Materials Today: Proceedings</i> , 2018, 5, 10203-10210.	0.9	2

#	ARTICLE	IF	CITATIONS
325	Hydroxyapatites as Versatile Inorganic Hosts of Unusual Pentavalent Manganese Cations. Chemistry of Materials, 2020, 32, 10584-10593.	3.2	2
326	On the magnetic structure and magnetic behaviour of the most distorted member of the series of RNiO ₃ perovskites (R= Lu). Dalton Transactions, 2022, , .	1.6	2
327	Phase rule for critical coexistence manifolds. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 102, 340-342.	0.9	1
328	Ferroelectric mean-field equation of state for rochelle salt near the upper T _c . Phase Transitions, 1987, 9, 253-258.	0.6	1
329	Inelastic scattering from molecular liquids and glasses. Physica B: Condensed Matter, 1992, 180-181, 831-833.	1.3	1
330	Spin fluctuations in Ni above TC: comparison with RG. Physica B: Condensed Matter, 1992, 180-181, 219-221.	1.3	1
331	Neutron inelastic scattering from molecular liquids and glasses. Journal of Molecular Structure, 1993, 296, 295-311.	1.8	1
332	Collective excitations in liquid deuterium in three thermodynamic states. Journal of Molecular Structure, 1993, 296, 313-320.	1.8	1
333	Magnetic properties of Nd ²⁺ xSr _x NiO ₄ + $\hat{\Gamma}$ oxides. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1561-1562.	0.6	1
334	Structural features of metallic superlattices and multilayers studied by X-ray absorption spectroscopy. Physica B: Condensed Matter, 1995, 208-209, 617-618.	1.3	1
335	Nonlinear susceptibility as a probe for magnetic correlations in CeNiSn. European Physical Journal D, 1996, 46, 1995-1996.	0.4	1
336	Nonlinear susceptibility in U _{0.9} Th _{0.1} Be ₁₃ : Direct test of a quadrupolar Kondo ground state. Physica B: Condensed Matter, 1996, 223-224, 475-477.	1.3	1
337	Magnetic Properties of the LaNi _{1-x} W _x O ₃ (0≤x≤0.25) Perovskites. Journal of Solid State Chemistry, 1997, 134, 274-281.	1.4	1
338	Magnetic properties of new oxides of the type R ₂ Ba ₂ CuPtO ₈ (R=Er and Lu). Journal of Alloys and Compounds, 1998, 275-277, 127-129.	2.8	1
339	Ground state properties of. Physica B: Condensed Matter, 1999, 259-261, 419-420.	1.3	1
340	Intergranular Coulomb barriers in thin films of magnetoresistive manganites. Thin Solid Films, 2000, 373, 94-97.	0.8	1
341	Reverse Monte Carlo study of local structural and magnetic cross-correlations in x=1/3 (La,Ca) manganites. Journal of Alloys and Compounds, 2001, 323-324, 404-407.	2.8	1
342	Crystal structure and thermochromism of bisguanidinium tetrachlorocuprate dihydrate at 123 and 293 K. Crystallography Reports, 2001, 46, 779-785.	0.1	1

#	ARTICLE	IF	CITATIONS
343	Low-frequency response in antiferromagnetically coupled Fe/Cr multilayers. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1806-1807.	1.0	1
344	Low-frequency response in the magnetic susceptibility of antiferromagnetically coupled Fe/Cr multilayers. Journal of Magnetism and Magnetic Materials, 2002, 240, 501-503.	1.0	1
345	Synthesis, Structural Characterization, and Magnetic Study of Sr ₄ Mn ₂ CoO ₉ . ChemInform, 2003, 34, no.	0.1	1
346	Unusual magnetic susceptibility and magnetoresistance in [Fe ²⁺ •Cr(001)] ₁₀ multilayers at low temperatures. Journal of Applied Physics, 2005, 97, 10C505.	1.1	1
347	Magnetoresistance in La _{0.7} Ca _{0.3} MnO ₃ •YBa ₂ Cu ₃ O ₇ F/S/F trilayers. Journal of Magnetism and Magnetic Materials, 2007, 316, e745-e748.	1.0	1
348	Surprising resistivity decrease in manganites with constant electronic density. Journal of Physics Condensed Matter, 2013, 25, 484002.	0.7	1
349	A comparison of the structure and mechanical properties of commercially pure tungsten rolled plates for the target of the European spallation source. International Journal of Refractory Metals and Hard Materials, 2018, 70, 45-55.	1.7	1
350	ESS Proton Beam Window Design Update. Journal of Physics: Conference Series, 2018, 1021, 012065.	0.3	1
351	Magnetic properties of Sr _{0.7} R _{0.3} CoO ₃ •R ³⁺ (R ³⁺ = Tb, Er and Ho) perovskites. Journal of Alloys and Compounds, 2020, 844, 156121.	2.8	1
352	Ni K-Edge XANES Studies of Hole Doped Nd _{2-x} Sr _x NiO ₄ and Reduced Nd _{2-x} Sr _x NiO _y . European Physical Journal Special Topics, 1997, 7, C2-1203-C2-1204.	0.2	1
353	Magnetic field induced transitions in Pr ₂ NiO ₄ single crystals. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1225-1226.	0.6	0
354	High frequency excitations in a molecular glass. Journal of Molecular Structure, 1991, 250, 413-419.	1.8	0
355	Magnetic behaviour of ⁷ Li ₃ CrO ₄ . Journal of Materials Chemistry, 1998, 8, 139-140.	6.7	0
356	Ground-state crossover in U _{1-x} Th _x Be ₁₃ (O ²⁻) _{1/2} (²⁺) _{1/2} (0.15). Journal of Physics Condensed Matter, 2000, 12, 4187-4193.	0.7	0
357	Domain Wall Magnetoresistance and Complex magnetic Response in Antiferromagnetically Coupled Fe/Cr Multilayers. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	0
358	Complex magnetic response in magnetic tunnel junctions determined via magnetic and transport measurements. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	0
359	Chemical Substitutions in Tl ₂ Mn ₂ O ₇ Pyrochlore, Synthesized Under High Pressure: Effects on the Colossal Magnetoresistance. High Pressure Research, 2002, 22, 563-568.	0.4	0
360	Magnetic Behavior of R ₂ Ba ₂ CuPtO ₈ Oxides (R=Ho, Er, Tm, Yb, Lu, and Y). Journal of Solid State Chemistry, 2002, 165, 297-302.	1.4	0

#	ARTICLE	IF	CITATIONS
361	Synthesis and Structural Characterization of Ba ₆ Mn ₅ O ₁₆ : The First Layered Oxide Isostructural to Cs ₆ Ni ₅ F ₁₆ .. ChemInform, 2003, 34, no-no.	0.1	0
362	Structural and Magnetic Study of Sr _{3.3} Ca _{0.7} CoRh ₂ O ₉ : A New Partially Ordered Antiferromagnetic System.. ChemInform, 2003, 34, no.	0.1	0
363	Structure and Magnetic Properties of Sr ₂ CoWO ₆ : An Ordered Double Perovskite Containing Co ²⁺ (HS) with Unquenched Orbital Magnetic Moment.. ChemInform, 2003, 34, no.	0.1	0
364	Preparation, Crystal and Magnetic Structure, and Magnetotransport Properties of the Double Perovskite CaCu _{2.5} Mn _{4.5} O ₁₂ .. ChemInform, 2003, 34, no.	0.1	0
365	Thermal Evolution of the Crystallographic and Magnetic Structure in LuVO ₃ : A Neutron Diffraction Study.. ChemInform, 2004, 35, no.	0.1	0
366	Synthesis, Structural, and Magnetic Characterization of a New Ferrimagnetic Oxide: YFeMnO ₅ .. ChemInform, 2004, 35, no.	0.1	0
367	Manganese Sites and Valence States in RCu _{3-x} Mn _{4+x} O ₁₂ (R = Ca or La) Magnetoresistive Perovskites. Physica Scripta, 2005, , 251.	1.2	0
368	Structural?Magnetic Properties Relationship in a New Commensurate Material: Sr ₉ Mn ₅ Co ₂ O ₂₁ .. ChemInform, 2005, 36, no.	0.1	0
369	A Study of the Magnetic Structure of LaMn ₂ O ₅ from Neutron Powder Diffraction Data.. ChemInform, 2005, 36, no.	0.1	0
370	Synthesis, Structural, and Magnetic Characterization of YCrMnO ₅ .. ChemInform, 2005, 36, no.	0.1	0
371	High Pressure Synthesis and Characterization of New Members of the RuSr ₂ (Ln, Ce) ₂ Cu ₂ O ₁₀ Family (Ln: Tj ETQq _{1,1} 0.784314 rgBT 0.1 0)	0.1	0
372	Peculiar Magnetic Behavior of the TbCu ₃ Mn ₄ O ₁₂ Complex Perovskite.. ChemInform, 2005, 36, no.	0.1	0
373	Large Magnetoresistance at Oxide La _{0.7} Ca _{0.3} MnO ₃ and YBa ₂ Cu ₃ O ₇ Interfaces. Advances in Science and Technology, 2006, 45, 2545-2553.	0.2	0
374	Complex structural ordering of the oxygen deficiency in La _{0.5} Ca _{2.5} Mn ₂ O ₇ Ruddlesdenâ€“Popper phases. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 644-651.	0.0	0
375	Temperature Dependence of the Sound Velocity in a Polar Liquid: SO ₂ . Springer Series in Solid-state Sciences, 1993, , 264-265.	0.3	0
376	Phonon and Luminescence Processes Studied by Raman Spectroscopy in High-Tc Related Oxides. Springer Series in Solid-state Sciences, 1993, , 196-197.	0.3	0