

# Antoine Maignan

## List of Publications by Year in descending order

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730  
papers

24,290  
citations

9264

74  
h-index

19749

117  
g-index

780  
all docs

780  
docs citations

780  
times ranked

11012  
citing authors

#	ARTICLE	IF	CITATIONS
1	FeWO <sub>4</sub> Single Crystals: Structure, Oxidation States, and Magnetic and Transport Properties. Chemistry of Materials, 2022, 34, 789-797.	6.7	6
2	Fe <sub>4-x</sub> Ni <sub>x</sub> Nb <sub>2</sub> O <sub>9</sub> (x ≈ 1): Nickel impact on the magnetoelectric properties of Fe <sub>4</sub> Nb <sub>2</sub> O <sub>9</sub> . Solid State Sciences, 2022, 125, 106821.	3.2	1
3	Room-temperature tuning of magnetic anisotropy in samarium-thulium orthoferrites. Physical Review B, 2022, 105, .	3.2	1
4	Improvement of thermoelectric performance in $\text{Sb}_{2-x}\text{Te}_{3-x}\text{Sb}_x$ composites. Physical Review Materials, 2022, 6, .	2.4	1
5	Interplay between magnetism and transport in the CuCr <sub>1-x</sub> Ti <sub>1+x</sub> S <sub>4</sub> thiospinel: evidence for a strong asymmetry between p- and n-type transport. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	2
6	Sb <sub>2</sub> Te <sub>3</sub> /graphite nanocomposite: A comprehensive study of thermal conductivity. Journal of Materiomics, 2021, 7, 545-555.	5.7	5
7	Crystal structure and functional properties of Nd <sub>1.6</sub> Ca <sub>0.4</sub> Ni <sub>1-y</sub> Cu <sub>y</sub> O <sub>4+δ</sub> as prospective cathode materials for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2021, 46, 17037-17050.	7.1	13
8	Phase equilibria and stability of intermediate phases in the Sm <sub>2</sub> O <sub>3</sub> -BaO-Fe <sub>2</sub> O <sub>3</sub> system. Journal of the American Ceramic Society, 2021, 104, 2410-2417.	3.8	3
9	Fe <sub>2</sub> Co <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> : a magnetoelectric honeycomb antiferromagnet. Journal of Materials Chemistry C, 2021, 9, 14236-14246.	5.5	8
10	Thermoelectric properties beyond the standard Boltzmann model in oxides: A focus on the ruthenates. , 2021, , 3-14.		0
11	Transport and Thermoelectric Coefficients of the Co <sub>9</sub> S <sub>8</sub> Metal: A Comparison with the Spin Polarized CoS <sub>2</sub> . Journal of Physical Chemistry C, 2021, 125, 5386-5391.	3.1	8
12	Defect structure and redox energetics of NdBaCo <sub>2</sub> O <sub>6-δ</sub> . Solid State Ionics, 2021, 361, 115549.	2.7	6
13	Undoped Sr <sub>2</sub> MMoO <sub>6</sub> Double Perovskite Molybdates (M = Ni, Mg, Fe) as Promising Anode Materials for Solid Oxide Fuel Cells. Materials, 2021, 14, 1715.	2.9	41
14	Influence of A- and B-site substitutions on crystal structure and oxygen content in air-prepared Ba <sub>1-x</sub> Pr <sub>x</sub> Fe <sub>1-x</sub> Co <sub>x</sub> O <sub>3+δ</sub> perovskites. Journal of Alloys and Compounds, 2021, 860, 158438.	5.5	10
15	Defect structure and thermochemistry of YBaCo <sub>2</sub> O <sub>6-δ</sub> . Thermochemica Acta, 2021, 698, 178886.	2.7	3
16	High temperature spin-driven multiferroicity in ludwigite chromocuprate Cu <sub>2</sub> CrBO <sub>5</sub> . Applied Physics Letters, 2021, 118, 192903.	3.3	7
17	Thermopower in the Ba <sub>1-x</sub> M <sub>2+x</sub> Ru <sub>4-x</sub> O <sub>11</sub> (M=Co, Mn, Fe) magnetic hexagonal ruthenates. Physical Review B, 2021, 103, .	3.2	0
18	Phase equilibria and oxygen content of intermediate phases in the Sm <sub>2</sub> O <sub>3</sub> -SrO-Fe <sub>2</sub> O <sub>3</sub> system. Journal of the European Ceramic Society, 2021, 41, 4199-4205.	5.7	2

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19	Thermoelectric materials taking advantage of spin entropy: lessons from chalcogenides and oxides. Science and Technology of Advanced Materials, 2021, 22, 583-596.	6.1	27
20	Effect of cobalt content on the properties of quintuple perovskites Sm <sub>2</sub> Ba <sub>3</sub> Fe <sub>5</sub> -Co O <sub>15</sub> - $\hat{\Gamma}$ . Journal of Solid State Chemistry, 2021, 301, 122324.	2.9	1
21	Enhancement of oxygen permeation flux through the La <sub>1.5</sub> Sr <sub>0.5</sub> Ni <sub>1</sub> -Mn O <sub>4</sub> + $\hat{\Gamma}$ ceramic membranes by manganese doping. Journal of the European Ceramic Society, 2021, , .	5.7	1
22	Defect chemistry and high-temperature thermodynamics of PrBaCo <sub>2</sub> O <sub>6</sub> - $\hat{\Gamma}$ . Journal of Chemical Thermodynamics, 2021, 161, 106523.	2.0	4
23	Signs of superparamagnetic cluster formation in Lu <sub>3</sub> Fe <sub>3</sub> O <sub>7</sub> perovskites evidenced by magnetization reversal and Monte Carlo simulations. Physical Review B, 2021, 103, .	3.2	7
24	Structural study and evaluation of thermoelectric properties of single-phase isocubanite (CuFe <sub>2</sub> S <sub>3</sub> ) synthesized via an ultra-fast efficient microwave radiation technique. Sustainable Energy and Fuels, 2021, 5, 5804-5813.	4.9	6
25	Gd <sub>2</sub> O <sub>3</sub> -SrO-Fe <sub>2</sub> O <sub>3</sub> system: The phase diagram and oxygen content in oxides. Materials Today Communications, 2021, 29, 102885.	1.9	4
26	Redox Thermochemistry, Thermodynamics, and Solar Energy Conversion and Storage Capability of Some Double Perovskite Cobaltites. Inorganic Chemistry, 2021, 60, 18141-18153.	4.0	8
27	Thermoelectric materials developments: past, present, and future. Science and Technology of Advanced Materials, 2021, 22, 998-999.	6.1	6
28	Exploring the thermoelectric behavior of spark plasma sintered Fe <sub>7-x</sub> Co <sub>x</sub> S <sub>8</sub> compounds. Journal of Alloys and Compounds, 2020, 819, 152999.	5.5	16
29	Spin-Induced Multiferroic Behavior in Centrosymmetric Mn <sub>3</sub> WO <sub>6</sub> . Chemistry of Materials, 2020, 32, 5664-5669.	6.7	4
30	Magnetic phase diagram for Fe <sub>3-x</sub> Mn <sub>x</sub> BO <sub>5</sub> . Physical Review B, 2020, 101, .	3.2	10
31	Conductivity and stability of ceramic Sr <sub>1-x</sub> Y <sub>x</sub> FeO <sub>3</sub> - $\hat{\Gamma}$ solid solutions. Ceramics International, 2020, 46, 24718-24722.	4.8	3
32	Original Network of Zigzag Chains in the $\hat{\Gamma}$ <sup>2</sup> Polymorph of Fe <sub>2</sub> WO <sub>6</sub> : Crystal Structure and Magnetic Ordering. Inorganic Chemistry, 2020, 59, 9798-9806.	4.0	4
33	Lack of linear magnetoelectric effect in ferrimagnetic distorted honeycomb Ni <sub>4</sub> Nb <sub>2</sub> O <sub>9</sub> . Journal of Applied Physics, 2020, 127, .	2.5	11
34	Structural and magnetic characterization of barbosalite Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (OH) <sub>2</sub> . Journal of Solid State Chemistry, 2020, 287, 121357.	2.9	5
35	Mn <sub>2</sub> TeO <sub>6</sub> : Complex antiferromagnetism as a consequence of the Jahn-Teller distortion. Physical Review B, 2019, 100, .	3.2	2
36	Impact of the iron substitution on the thermoelectric properties of Co <sub>1-x</sub> Fe <sub>x</sub> S <sub>2</sub> (x=0.30). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180337.	4.4	6



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55	Spin reorientation and metamagnetic transitions in $R_2F_{1-x}e_xC_{0.5}$	3.2	45
56	Coupled dielectric permittivity and magnetic susceptibility in the insulating antiferromagnet $Ba_2FeSbSe_5$ . Applied Physics Letters, 2018, 112, 202903.	3.3	2
57	Cation order imaging and magnetic properties in the $Ca_2Fe_2GaO_5$ brownmillerite ( $O^{2-}$ ). Journal of Solid State Chemistry, 2018, 265, 129-134.	2.9	1
58	Magnetothermopower and giant magnetoresistance in the spin-glass $CuCrTiS_4$ thiospinel. Journal of Applied Physics, 2018, 124, .	2.5	23
59	$CuFe_2S_3$ as electrode material for Li-ion batteries. RSC Advances, 2018, 8, 26691-26695.	3.6	2
60	Type-II multiferroism and linear magnetoelectric coupling in the honeycomb $R_2F_{1-x}e_xT_4a_2$	2.4	21
61	Topochemical Approach for Transition-Metal Exchange Assisted by Copper Extrusion: from $Cu_2FeBO_5$ to $Fe_3BO_5$ . Inorganic Chemistry, 2017, 56, 2375-2378.	4.0	4
62	A Reversible Phase Transition for Sodium Insertion in Anatase $TiO_2$ . Chemistry of Materials, 2017, 29, 1836-1844.	6.7	68
63	Charge ordering and multiferroicity in $Fe_3BO_5$ and $Fe_2MnBO_5$ oxyborates. Journal of Solid State Chemistry, 2017, 246, 209-213.	2.9	12
64	Revisiting Hollandites: Channels Filling by Main-Group Elements Together with Transition Metals in $Bi_2V_8O_{16}$ . Chemistry of Materials, 2017, 29, 5558-5565.	6.7	4
65	Suppression of superconductivity and resistivity anomaly in $Rh_{17}S_{15}$ by cobalt substitution. Journal of Physics Condensed Matter, 2017, 29, 075604.	1.8	1
66	Structure and Electronic Properties of the Quasi-One-Dimensional $Ba_2Co_1xZn_xS_3$ Series. Inorganic Chemistry, 2017, 56, 213-223.	4.0	3
67	Structural and thermoelectric properties of n-type isocubanite $CuFe_2S_3$ . Inorganic Chemistry Frontiers, 2017, 4, 424-432.	6.0	40
68	Fast synthesis of $SrFe_{12}O_{19}$ hexaferrite in a single-mode microwave cavity. Ceramics International, 2017, 43, 4229-4234.	4.8	5
69	Nanostructured $Li_2MnO_3$ : a disordered rock salt type structure for high energy density Li ion batteries. Journal of Materials Chemistry A, 2017, 5, 21898-21902.	10.3	50
70	Thermoelectric anisotropy and texture of intercalated $TiS_2$ . Applied Physics Letters, 2017, 111, .	3.3	30
71	A vanadium oxy-phosphate $Na_4VO(PO_4)_2$ as cathode material for Na ion batteries. Solid State Sciences, 2017, 72, 124-129.	3.2	11
72	Unconventional aspects of electronic transport in delafossite oxides. Science and Technology of Advanced Materials, 2017, 18, 919-938.	6.1	49

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73	Magnetolectric coupling in ceramic of the Zn-doped CaBaCo <sub>4</sub> O <sub>7</sub> pyroelectric ferrimagnet. <i>Ceramics International</i> , 2017, 43, 208-211.	4.8	4
74	Localised Ag <sup>+</sup> vibrations at the origin of ultralow thermal conductivity in layered thermoelectric AgCrSe <sub>2</sub> . <i>Scientific Reports</i> , 2016, 6, 23415.	3.3	34
75	The BiCu <sub>1-x</sub> OS oxysulfide: Copper deficiency and electronic properties. <i>Journal of Solid State Chemistry</i> , 2016, 237, 292-299.	2.9	15
76	Spin reorientation, magnetization reversal, and negative thermal expansion observed in $R\text{Fe}_2\text{C}_2$ . <i>Physical Review B</i> , 2015, 92, .	3.2	64
77	Magnetization reversal in mixed ferrite-chromite perovskites with non magnetic cation on the A-site. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 476003.	1.8	19
78	An active thermography approach for thermal and electrical characterization of thermoelectric materials. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 285601.	2.8	10
79	Thermoelectric properties of the chalcopyrite Cu <sub>1-x</sub> MxFeS <sub>2-y</sub> series (M = Mn, Co, Ni). <i>RSC Advances</i> , 2016, 6, 55117-55124.	3.6	36
80	Robustness of Antiferromagnetism and Pyroelectricity in AgCr <sub>1-x</sub> Rh <sub>x</sub> S <sub>2</sub> . <i>Chemistry of Materials</i> , 2016, 28, 1816-1822.	6.7	2
81	Searching for new thermoelectric materials: some examples among oxides, sulfides and selenides. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 013001.	1.8	56
82	A new active LiMnO compound for high energy density Li-ion batteries. <i>Nature Materials</i> , 2016, 15, 173-177.	27.5	269
83	Hydrothermal synthesis for new multifunctional materials: A few examples of phosphates and phosphonate-based hybrid materials. <i>Journal of Solid State Chemistry</i> , 2016, 236, 236-245.	2.9	17
84	Crystal growth, electronic structure, and properties of Ni-substituted FeGa. <i>Journal of Solid State Chemistry</i> , 2016, 236, 166-172.	2.9	12
85	Impact of short-range order on transport properties of the two-dimensional metal PdCrO <sub>2</sub> . <i>Physical Review B</i> , 2015, 92, .	3.2	18
86	Large anisotropic thermal conductivity of the intrinsically two-dimensional metallic oxide PdCoO <sub>2</sub> . <i>Physical Review B</i> , 2015, 91, .	3.2	18
87	Thermopower in the quadruple perovskite ruthenates. <i>Physical Review B</i> , 2015, 91, .	3.2	18
88	Synthesis and Thermoelectric Properties in the 2D Ti <sub>1-x</sub> Nb <sub>x</sub> S <sub>3</sub> Trichalcogenides. <i>Materials</i> , 2015, 8, 2514-2522.	2.9	25
89	Crystal and electronic structures of two new iron selenides: Ba <sub>4</sub> Fe <sub>3</sub> Se <sub>10</sub> and BaFe <sub>2</sub> Se <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , 2015, 230, 293-300.	2.9	7
90	Thermoelectric properties of n-type cobalt doped chalcopyrite Cu <sub>1-x</sub> CoxFeS <sub>2</sub> and p-type eskebornite CuFeSe <sub>2</sub> . <i>Journal of Materiomics</i> , 2015, 1, 68-74.	5.7	47

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91	Intrinsic effects of substitution and intercalation on thermal transport in two-dimensional TiS <sub>2</sub> single crystals. Journal of Applied Physics, 2015, 117, 165101.	2.5	19
92	Magnetodielectric Effect in Crystals of the Noncentrosymmetric CaOFeS at Low Temperature. Inorganic Chemistry, 2015, 54, 6560-6565.	4.0	24
93	Alternative Calorimetry Based on the Photothermoelectric (PTE) Effect: Application to Magnetic Nanofluids. International Journal of Thermophysics, 2015, 36, 2441-2451.	2.1	6
94	Silver intercalation in SPS dense TiS <sub>2</sub> : staging and thermoelectric properties. Dalton Transactions, 2015, 44, 7887-7895.	3.3	32
95	Thermoelectrics (TE) used as detectors of radiation: an alternative calorimetry based on the photothermoelectric (PTE) effect. , 2015, , .		1
96	Rare earth ferrites LuFe <sub>2</sub> O <sub>4</sub> ±x polymorphism, polytypism and metastable phases. Solid State Sciences, 2015, 48, A1-A16.	3.2	7
97	On the effects of substitution, intercalation, non-stoichiometry and block layer concept in TiS <sub>2</sub> based thermoelectrics. Physical Chemistry Chemical Physics, 2015, 17, 24541-24555.	2.8	59
98	The new cerium-rich intermetallic phase Ce <sub>13</sub> Ru <sub>2</sub> Sn <sub>5</sub> : Crystal structure and physical properties. Journal of Alloys and Compounds, 2015, 622, 745-750.	5.5	4
99	Polar space group and complex magnetism in Ni <sub>11</sub> -(HPO <sub>3</sub> ) <sub>8</sub> (OH) <sub>6</sub> : towards a new multiferroic material?. Solid State Sciences, 2015, 39, 92-96.	3.2	7
100	Closely related magnetic and dielectric transitions in the "magnetolectric Zn-doped CaBaCo <sub>4</sub> O <sub>7</sub> . Journal of Applied Physics, 2014, 116, .	2.5	20
101	Multiferroics and Magnetolectrics: A Comparison between Some Chromites and Cobaltites. Chemistry of Materials, 2014, 26, 830-836.	6.7	52
102	Observation of electric polarization reversal and magnetodielectric effect in orthochromites: A comparison between LuCrO <sub>3</sub> and ErCrO <sub>3</sub> . Physical Review B, 2014, 89, .		
103	Oxygen storage capacity and structural flexibility of LuFe <sub>2</sub> O <sub>4</sub> +x (0≤x≤0.5). Nature Materials, 2014, 13, 74-80.	27.5	59
104	ZrSe <sub>3</sub> -Type Variant of TiS <sub>3</sub> : Structure and Thermoelectric Properties. Chemistry of Materials, 2014, 26, 5585-5591.	6.7	44
105	Structural, magnetic and transport properties of 2D structured perovskite oxychalcogenides. Solid State Sciences, 2014, 36, 94-100.	3.2	5
106	Synthesis, crystal structure and electronic properties of the new iron selenide Ba <sub>9</sub> Fe <sub>4</sub> Se <sub>16</sub> . Journal of Solid State Chemistry, 2014, 211, 184-190.	2.9	9
107	Nanostructures in LuFe <sub>2</sub> O <sub>4</sub> . Solid State Sciences, 2013, 23, 26-34.	3.2	7
108	Pressure effect on the magnetic order of LuFe <sub>2</sub> O <sub>4</sub> . Applied Physics Letters, 2013, 103, 082907.	3.3	6

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109	Correlation between magnetic field induced polarization and magnetoelectric coupling in a ferrimagnetic oxide $\text{CaBaCo}_4\text{O}_{13}$ . <i>Physical Review B</i> , 2012, 85, 104408.	3.2	83
110	From oxides to selenides and sulfides: The richness of the $\text{Cd}_2$ type crystallographic structure for thermoelectric properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 69-81.	1.8	69
111	From spin induced ferroelectricity to spin and dipolar glass in a triangular lattice: The $\text{CuCr}_2\text{V}_2\text{O}_{12}$ delafossite. <i>Journal of Solid State Chemistry</i> , 2013, 203, 37-43.	2.9	14
112	Spin dynamics in the unconventional multiferroic $\text{AgCrS}_2$ . <i>Physical Review B</i> , 2013, 87, .	3.2	14
113	$\text{Sr}_7\text{Co}_4(\text{CO}_3)\text{O}_{13}\hat{\Gamma}$ ( $\hat{\Gamma} = 1.64$ ), An Original Cobaltite Derivative of the Ruddlesden-Popper Series. <i>Inorganic Chemistry</i> , 2013, 52, 4977-4984.	4.0	2
114	Magnetic and magnetodielectric properties of erbium iron garnet ceramic. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	17
115	Correlation effects in $\text{CaCu}_3\text{Ru}_4\text{O}_{14}$ . <i>Physical Review B</i> , 2012, 85, .	3.2	24
116	Transport and magnetic properties of highly densified $\text{CoS}_2$ ceramic. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	20
117	Evidence of oxygen-dependent modulation in $\text{LuFe}_2\text{O}_7$ . <i>Physical Review B</i> , 2012, 85, .	3.2	34
118	Evidence of magnetic phase separation in $\text{LuFe}_2\text{O}_7$ . <i>Physical Review B</i> , 2012, 85, .	3.2	22
119	Magnetic dilution and steric effects in the multiferroic delafossite $\text{CuCrO}_2$ . <i>Physical Review B</i> , 2012, 86, .	3.2	10
120	Magnetodielectric coupling and magnetization plateaus in $\text{LaCoV}_2\text{O}_6$ crystals. <i>Journal of Materials Chemistry</i> , 2012, 22, 6436.	6.7	38
121	Revisiting some chalcogenides for thermoelectricity. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 053003.	6.1	58
122	From spin induced ferroelectricity to dipolar glasses: Spinel chromites and mixed delafossites. <i>Journal of Solid State Chemistry</i> , 2012, 195, 41-49.	2.9	54
123	Substitution effect of manganese for iron in $\text{La}_{1-x}\text{YBa}_x\text{Fe}_4\text{O}_7$ ferrite: structure, magnetism and oxygen hyperstoichiometry. <i>Journal of Materials Chemistry</i> , 2012, 22, 18923.	6.7	6
124	Magnetodielectric $\text{CuCr}_{0.5}\text{V}_{0.5}\text{O}_2$ : an example of a magnetic and dielectric multiglass. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 226002.	1.8	17
125	Spin-assisted ferroelectricity in ferrimagnetic $\text{CaBaCo}_7\text{O}_{20}$ . <i>Physical Review B</i> , 2012, 86, .	3.2	60
126	Transport, thermoelectric, and magnetic properties of a dense $\text{Cr}_2\text{S}_3$ ceramic. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	35



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127	Co-substitution at the Mn-site in YMnO <sub>3</sub> : Structural stability and physical properties. Materials Research Bulletin, 2012, 47, 974-979.	5.2	6
128	Revisiting the properties of delafossite CuCrO <sub>2</sub> : A single crystal study. Journal of Solid State Chemistry, 2012, 185, 56-61.	2.9	34
129	Bi <sub>0.75</sub> Sr <sub>0.25</sub> FeO <sub>3</sub> $\delta$ : Revealing order/disorder phenomena by combining diffraction techniques. Solid State Communications, 2012, 152, 331-336.	1.9	6
130	Quantum gapped spin excitations in the S=3/2 zigzag ladder compound $\text{CaCr}_2\text{O}_4$ . Physical Review B, 2011, 84, .	3.2	14
131	Substitution Effect on the Interplane Coupling in Crednerite: the Cu <sub>1.04</sub> Mn <sub>0.96</sub> O <sub>2</sub> Case. Chemistry of Materials, 2011, 23, 85-94.	6.7	21
132	Stability of the Sr <sub>2</sub> B <sub>3</sub> O <sub>6.5</sub> $\delta$ Phases (B = Fe, Co, Ga): Existence Range, Structural and Physical Properties. Chemistry of Materials, 2011, 23, 2786-2794.	6.7	1
133	Transport and thermoelectric properties in Copper intercalated TiS <sub>2</sub> chalcogenide. Applied Physics Letters, 2011, 99, .	3.3	149
134	Order-Disorder Transition in AgCrSe <sub>2</sub> : a New Route to Efficient Thermoelectrics. Chemistry of Materials, 2011, 23, 2510-2513.	6.7	135
135	Magnetoelastic coupling and unconventional magnetic ordering in the multiferroic triangular lattice AgCrS $\delta$ . Physical Review B, 2011, 83, .	3.2	41
136	Mg substitution in CuCrO <sub>2</sub> delafossite compounds. Solid State Communications, 2011, 151, 1798-1801.	1.9	31
137	The electronic structure of the CuRh <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub> thermoelectric materials: An X-ray photoelectron spectroscopy study. Journal of Solid State Chemistry, 2011, 184, 2387-2392.	2.9	28
138	Swedenborgite-type Cobaltites and Ferrites: Tetrahedral Frameworks with Exceptional Magnetic Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1079-1087.	1.2	9
139	Pinning efficiency of splayed columnar defects in Bi-2212 single crystal: Evidence of a cage pinning effect. Journal of Physics and Chemistry of Solids, 2011, 72, 541-544.	4.0	4
140	The ability of RP-type cobaltites to accommodate carbonate groups: A new layered oxide Sr <sub>4</sub> Co <sub>2</sub> (CO <sub>3</sub> )O <sub>5.86</sub> . Journal of Solid State Chemistry, 2011, 184, 1655-1660.	2.9	5
141	Citrate gel process and thermoelectric properties of Ge-doped In <sub>2</sub> O <sub>3</sub> bulk ceramics. Powder Technology, 2011, 208, 503-508.	4.2	8
142	The spin glass delafossite CuFe <sub>0.5</sub> V <sub>0.5</sub> O <sub>2</sub> : a dipolar glass?. Journal of Physics Condensed Matter, 2011, 23, 126005.	1.8	10
143	Magnetodielectric response of square-coordinated MnO <sub>2</sub> unit in cubic BiMn <sub>7</sub> O <sub>12</sub> . Applied Physics Letters, 2011, 98, 072903.	3.3	9
144	FeCr <sub>2</sub> O <sub>4</sub> and CoCr <sub>2</sub> O <sub>4</sub> spinels: Multiferroicity in the collinear magnetic state?. Applied Physics Letters, 2011, 99, .	3.3	124

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145	Tuning of dimensionless figure of merit via boundary scattering in $\text{In}_2\text{O}_3$ . Journal of Applied Physics, 2011, 110, 124304.	2.5	9
146	Spin-driven ferroelectricity in the delafossite $\text{CuFe}_{1-x}\text{Rh}_x\text{O}_2$ ( $0 \leq x \leq 0.15$ ). Journal of Solid State Chemistry, 2010, 183, 344-349.	2.9	43
147	Mössbauer spectroscopy investigation of $\text{SrFe}_{1-x}\text{Sc}_x\text{O}_3$ perovskites. Solid State Sciences, 2010, 12, 739-744.	3.2	5
148	Mössbauer spectroscopic analysis of $\text{Bi}_{1-x}\text{Sr}_x\text{FeO}_3$ perovskites. Solid State Sciences, 2010, 12, 1387-1392.	3.2	19
149	The oxygen deficient cubic perovskite $\text{SrFe}_{1-x}\text{Sc}_x\text{O}_{3-\delta}$ ( $x=0.5; 0.1$ ): Structural features and physical properties. Solid State Sciences, 2010, 12, 1661-1666.	3.2	9
150	Metal to insulator transition in then-type hollandite vanadate $\text{Pb}_{1.6}\text{V}_8\text{O}_{16}$ . Physical Review B, 2010, 82, .	3.2	10
151	Pressure-Induced Structural Transition in $\text{LuFe}_2\text{O}_4$ : Towards a New Charge Ordered State. Physical Review Letters, 2010, 105, 237203.	7.8	15
152	Negative magnetoresistance in a $V^{3+}/V^{4+}$ mixed valent vanadate. Applied Physics Letters, 2010, 96, 232502.	3.3	1
153	Ordering with staggered magnetic chirality in the $\text{S}_2\text{O}_7^{2-}$ compound. Physical Review B, 2010, 81, 114407.	3.2	44
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