

Pedro B Tavares

List of Publications by Year in descending order

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155
papers

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101384

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docs citations

157
times ranked

6773
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic MFe ₂ O ₄ (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. Chemistry of Materials, 2012, 24, 1496-1504.	3.2	446
2	Oxidation of CO, ethanol and toluene over TiO ₂ supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	10.8	221
3	Magnetocaloric effect in Er- and Eu-substituted ferromagnetic La-Sr manganites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 686-689.	1.0	172
4	Synthesis and thermodynamic stability of multiferroic BiFeO ₃ . Materials Letters, 2008, 62, 3984-3986.	1.3	149
5	Designing Novel Hybrid Materials by One-Pot Co-condensation: From Hydrophobic Mesoporous Silica Nanoparticles to Superamphiphobic Cotton Textiles. ACS Applied Materials & Interfaces, 2011, 3, 2289-2299.	4.0	147
6	Size and surface effects on the magnetic properties of NiO nanoparticles. Physical Chemistry Chemical Physics, 2011, 13, 9561.	1.3	140
7	Catalytic oxidation of toluene on Ce-Co and La-Co mixed oxides synthesized by exotemplating and evaporation methods. Catalysis Today, 2015, 244, 161-171.	2.2	129
8	Corn's cob as a potential ecological thermal insulation material. Energy and Buildings, 2011, 43, 1985-1990.	3.1	114
9	Spin-phonon coupling and magnetoelectric properties $\frac{EuMnO_3}{1.1}$ $\frac{112}{112}$ Physical Review B, 2009, 79	1.1	112
10	Superparamagnetic ⁵⁷ Fe ₂ O ₃ @SiO ₂ nanoparticles: a novel support for the immobilization of [VO(acac) ₂]. Dalton Transactions, 2010, 39, 2842.	1.6	109
11	Characterization of corn cob as a possible raw building material. Construction and Building Materials, 2012, 34, 28-33.	3.2	107
12	Metal-free graphene-based catalytic membrane for degradation of organic contaminants by persulfate activation. Chemical Engineering Journal, 2019, 369, 223-232.	6.6	104
13	Evaluation of the catalytic activity of Pd-Ag alloys on ethanol oxidation and oxygen reduction reactions in alkaline medium. Journal of Power Sources, 2011, 196, 6092-6098.	4.0	101
14	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	2.2	99
15	Effect of Mg, Ca, and Sr on Ce ₂ Based Catalysts for the Oxidative Coupling of Methane: Investigation on the Oxygen Species Responsible for Catalytic Performance. Industrial & Engineering Chemistry Research, 2012, 51, 10535-10541.	1.8	96
16	Photocatalytic production of hydrogen from methanol and saccharides using carbon nanotube-TiO ₂ catalysts. Applied Catalysis B: Environmental, 2015, 178, 82-90.	10.8	93
17	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce _{1-x} Sm _x O ₃ mixed oxides. Journal of Hazardous Materials, 2013, 261, 512-521.	6.5	92
18	Effect of preparation method on the solid state properties and the deN ₂ O performance of Cu-Ce ₂ oxides. Catalysis Science and Technology, 2015, 5, 3714-3727.	2.1	88

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19	Magnetic entropy change of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ manganites ($0.2 \leq x \leq 0.95$). <i>Physical Review B</i> , 2005, 71, .	1.1	80
20	Gold supported on metal oxides for carbon monoxide oxidation. <i>Nano Research</i> , 2011, 4, 180-193.	5.8	76
21	Nanostructured iron oxide catalysts with gold for the oxidation of carbon monoxide. <i>RSC Advances</i> , 2012, 2, 2957.	1.7	74
22	Selective photocatalytic oxidation of benzyl alcohol to benzaldehyde by using metal-loaded g-C ₃ N ₄ photocatalysts. <i>Catalysis Today</i> , 2017, 287, 70-77.	2.2	72
23	Photocatalytic degradation of Reactive Black 5 with TiO ₂ -coated magnetic nanoparticles. <i>Catalysis Today</i> , 2013, 209, 116-121.	2.2	69
24	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. <i>Catalysis Today</i> , 2010, 154, 21-30.	2.2	65
25	Ce-Doped La ₂ O ₃ based catalyst for the oxidative coupling of methane. <i>Catalysis Communications</i> , 2013, 42, 50-53.	1.6	65
26	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. <i>Applied Catalysis A: General</i> , 2014, 472, 101-112.	2.2	58
27	N-modified TiO ₂ photocatalytic activity towards diphenhydramine degradation and <i>Escherichia coli</i> inactivation in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 66-74.	10.8	57
28	Quantitative and qualitative assessment of the amorphous phase of a Class F fly ash dissolved during alkali activation reactions – Effect of mechanical activation, solution concentration and temperature. <i>Composites Part B: Engineering</i> , 2016, 103, 1-14.	5.9	57
29	Disinfection of simulated and real winery wastewater using sulphate radicals: Peroxymonosulphate/transition metal/UV-A LED oxidation. <i>Journal of Cleaner Production</i> , 2017, 149, 805-817.	4.6	53
30	Facile one-pot synthesis of Pt nanoparticles /SBA-15: an active and stable material for catalytic applications. <i>Energy and Environmental Science</i> , 2011, 4, 2020.	15.6	49
31	Effect of chloride on the sinterization of Au/CeO ₂ catalysts. <i>Catalysis Today</i> , 2010, 154, 293-302.	2.2	48
32	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	46
33	Treatment of crystallized-fruit wastewater by UV-A LED photo-Fenton and coagulation–flocculation. <i>Chemosphere</i> , 2016, 145, 351-359.	4.2	43
34	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 795-804.	3.3	39
35	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 344-355.	3.3	37
36	Coupling between phonons and magnetic excitations in orthorhombic $\frac{1}{2} \left(\frac{1}{2} \right)$ <i>Physical Review B</i> , 2010, 81, .	1.1	36

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37	Photocatalytic degradation of an agro-industrial wastewater model compound using a UV LEDs system: kinetic study. <i>Journal of Environmental Management</i> , 2020, 269, 110740.	3.8	36
38	Photocatalytic oxidation of Reactive Black 5 with UV-A LEDs. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 109-114.	3.3	35
39	The effect of chemical distribution on the magnetocaloric effect: A case study in second-order phase transition manganites. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5301-5303.	1.5	34
40	Room temperature structure and multiferroic properties in Bi _{0.7} La _{0.3} FeO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2013, 554, 97-103.	2.8	32
41	Optimization of N ₂ O decomposition activity of CuO@CeO ₂ mixed oxides by means of synthesis procedure and alkali (Cs) promotion. <i>Catalysis Science and Technology</i> , 2018, 8, 2312-2322.	2.1	32
42	Gold nanoparticles supported on magnesium oxide for CO oxidation. <i>Nanoscale Research Letters</i> , 2011, 6, 435.	3.1	31
43	Ferroelectric phase transitions studies in 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ -0.5(Ba _{0.7} Ca _{0.3})TiO ₃ ceramics. <i>Journal of Electroceramics</i> , 2015, 35, 135-140.	0.8	31
44	Structural and insulator-to-metal phase transition at 50 GPa in GdMnO ₃ . <i>Physical Review B</i> , 2012, 85, .	1.1	29
45	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. <i>Molecules</i> , 2016, 21, 644.	1.7	29
46	Photocatalytic Activity and UV-Protection of TiO ₂ ; Nanocoatings on Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 2011, 11, 8979-8985.	0.9	28
47	Sustainable alkaline activation of fly ash, aluminium anodising sludge and glass powder blends with a recycled alkaline cleaning solution. <i>Construction and Building Materials</i> , 2019, 204, 609-620.	3.2	28
48	Spectroscopic and structural studies of di-ureasils doped with lithium perchlorate. <i>Electrochimica Acta</i> , 2007, 53, 1466-1475.	2.6	27
49	Structural, electrical and magnetic properties of magnetoelectric GdMnO ₃ thin films prepared by a sol-gel method. <i>Thin Solid Films</i> , 2014, 564, 419-425.	0.8	26
50	Dynamic and structural properties of orthorhombic rare-earth manganites under high pressure. <i>Physical Review B</i> , 2014, 90, .	1.1	26
51	Hybrid magnetic graphitic nanocomposites towards catalytic wet peroxide oxidation of the liquid effluent from a mechanical biological treatment plant for municipal solid waste. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 645-657.	10.8	26
52	Multifunctional mixed valence N-doped CNT@MFe ₂ O ₄ hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. <i>Nanoscale</i> , 2018, 10, 12820-12840.	2.8	26
53	Phase control studies in Gd ₅ Si ₂ Ge ₂ giant magnetocaloric compound. <i>Journal of Alloys and Compounds</i> , 2012, 529, 89-95.	2.8	25
54	Anomalous low-field magnetization in La _{2/3} Ca _{1/3} MnO ₃ near the critical point: Stable clusters?. <i>Journal of Applied Physics</i> , 1998, 83, 7154-7156.	1.1	24

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55	Gold on oxide-doped alumina supports as catalysts for CO oxidation. Applied Nanoscience (Switzerland), 2012, 2, 35-46.	1.6	24
56	Discontinuous transition effects in manganites: magnetization study in the paramagnetic phase. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 655-658.	1.0	23
57	Effects of adhesion layer (Ti or Zr) and Pt deposition temperature on the properties of PZT thin films deposited by RF magnetron sputtering. Applied Surface Science, 2005, 243, 113-124.	3.1	23
58	Anisotropic electrical transport in epitaxial La _{2/3} Ca _{1/3} MnO ₃ thin films. Journal of Applied Physics, 2000, 87, 5570-5572.	1.1	22
59	Tricritical points in La-based ferromagnetic manganites. Journal of Applied Physics, 2003, 93, 7646-7648.	1.1	22
60	Magnetocaloric effect on the Pr _{0.43} Gd _{0.25} Ca _{0.32} MnO ₃ manganite. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2385-2386.	1.0	22
61	Catalytic decomposition of N ₂ O on inorganic oxides: Effect of doping with Au nanoparticles. Molecular Catalysis, 2017, 436, 78-89.	1.0	22
62	Hybrid magnetic graphitic nanocomposites for catalytic wet peroxide oxidation applications. Catalysis Today, 2017, 280, 184-191.	2.2	21
63	Crossover in the pressure evolution of elementary distortions in $R_{1-x}Fe_xO_3$ perovskites and its impact on their phase transition. Physical Review B, 2019, 99, .	1.1	21
64	Magnetocaloric effect of the (Pr,Ca)MnO ₃ manganite at low temperatures. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 694-696.	1.0	20
65	Novel alkoxysilane pentacoordinate OV(IV) complexes as supported catalysts for cyclohexane oxidation with dioxygen. Applied Catalysis A: General, 2010, 384, 136-146.	2.2	20
66	Tailoring the properties of immobilized titanium dioxide/carbon nanotube composites for photocatalytic water treatment. Journal of Environmental Chemical Engineering, 2013, 1, 945-953.	3.3	20
67	Microalgae and immobilized TiO ₂ /UV-A LEDs as a sustainable alternative for winery wastewater treatment. Water Research, 2021, 203, 117464.	5.3	20
68	Phase diagram of the orthorhombic, lightly lutetium doped EuMnO ₃ magnetoelectric system. Physical Review B, 2011, 84, .	1.1	19
69	Strong magnetoelastic coupling in orthorhombic $Eu_{1-x}Mn_xO_3$. Physical Review B, 2010, 82, .	1.1	18
70	Resistive switching in ferroelectric lead-free 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ ∕0.5(Ba _{0.7} Ca _{0.3})TiO ₃ thin films. Journal Physics D: Applied Physics, 2016, 49, 335301.		18
71	Scaling spin-phonon and spin-spin interactions in magnetoelectric Gd _{1-x} Y _x MnO ₃ . Journal of Solid State Chemistry, 2015, 228, 76-81.	1.4	17
72	Critical Role of the Spacer Length of Gemini Surfactants on the Formation of Ionic Liquid Crystals and Thermotropic Behavior. Journal of Physical Chemistry B, 2017, 121, 10583-10592.	1.2	17

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73	Substrate, annealing, and Mn excess effects on La ^{0.8} Ca ^{0.2} MnO ₃ thin films grown by metalorganic chemical vapor deposition: A way to room-temperature T _c . Journal of Applied Physics, 1999, 85, 5411-5413.	1.1	16
74	Structure and physical properties of Eu _{0.8} Y _{0.2} MnO ₃ ceramics. Journal of Electroceramics, 2010, 25, 203-211.	0.8	15
75	Dzyaloshinskii-Moriya nature of ferroelectric ordering in magnetoelectric Gd _{1-x} Y _x MnO ₃ system. Solid State Communications, 2015, 208, 34-40.	0.9	15
76	Photocatalytic discolouration of Reactive Black 5 by UV-A LEDs and solar radiation. Journal of Environmental Chemical Engineering, 2015, 3, 2948-2956.	3.3	15
77	Advanced Oxidation Processes as sustainable technologies for the reduction of elderberry agro-industrial water impact. Water Resources and Industry, 2020, 24, 100137.	1.9	15
78	Percolation processes and spin-reorientation of PrNi ₅ Mn ₅ . Physical Review B, 2009, 79, .	1.1	14
79	THz and infrared studies of multiferroic hexagonal Y _{1-x} Eu _x MnO ₃ (x=0.2) ceramics. Phase Transitions, 2010, 83, 931-941.		14
80	Ferroelectricity in antiferromagnetic phases of Eu _{1-x} Y _x MnO ₃ . Solid State Communications, 2011, 151, 368-371.	0.9	14
81	A versatile synthesis method of dendrites-free segmented nanowires with a precise size control. Nanoscale Research Letters, 2012, 7, 168.	3.1	14
82	Wireless UV-A LEDs-driven AOP in the treatment of agro-industrial wastewaters. Environmental Research, 2021, 200, 111430.	3.7	14
83	High refrigerant capacity of PrNi ₅ Co ₅ magnetic compounds exploiting its spin reorientation and magnetic transition over a wide temperature zone. Journal of Applied Physics, 2009, 42, 055002.	1.3	13
84	Magnetic phase diagram of the TbMnO ₃ . Physica B: Condensed Matter, 2017, 506, 163-167.	1.1	13
85	Magnetoelectric coupling in multiferroic heterostructure of rf-sputtered Ni ^{0.5} Mn ^{0.5} Ga thin film on PMN-PT. Journal of Magnetism and Magnetic Materials, 2012, 324, 1882-1886.	1.0	12
86	Tailoring Bi-Te based nanomaterials by electrodeposition: Morphology and crystalline structure. Materials and Design, 2017, 118, 168-174.	3.3	12
87	Anisotropic transport properties of epitaxial La _{2/3} Ca _{1/3} MnO ₃ thin films with different growth orientations (invited). Journal of Magnetism and Magnetic Materials, 2000, 211, 1-8.	1.0	11
88	Competing exchanges and spin-phonon coupling in Eu _{1-x} R _x MnO ₃ (R=Y, Lu). Journal of Physics Condensed Matter, 2013, 25, 235602.	0.7	11
89	Annealing influence on the magnetostructural transition in Gd ₅ Si _{1.3} Ge _{2.7} thin films. Materials Letters, 2015, 159, 301-304.	1.3	11
90	On the ferroelectric and magnetoelectric mechanisms in low Fe ³⁺ doped TbMnO ₃ . Journal of Magnetism and Magnetic Materials, 2017, 439, 167-172.	1.0	11

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91	Excitation of the cooperative Jahn-Teller distortion and its effect on the Raman octahedra-rotation modes of TbMnO_3 . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 436002.	1.1	11
92	Magnetically-induced lattice distortions and ferroelectricity in magnetoelectric GdMnO_3 . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 436002.	0.7	10
93	One-Step Cathodic and Anodic Synthesis of Hydrophilic Carbon Nanomaterials. <i>ChemElectroChem</i> , 2017, 4, 2693-2702.	1.7	10
94	Novel multiferroic state and ME enhancement by breaking the AFM frustration in LuMn_2O_3 . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1335-1341.	1.3	10
95	Magnetocaloric Effect in Manganites: Ferromagnetism and Charge-Ordering Effects. <i>Materials Science Forum</i> , 2004, 455-456, 148-152.	0.3	9
96	Single site anchored novel Cu(II) catalysts for selective liquid-phase O ₂ oxidation of n-alkanes. <i>Journal of Molecular Catalysis A</i> , 2012, 357, 125-132.	4.8	9
97	Peculiar Magnetoelectric Coupling in BaTiO_3 : $\text{Fe}_{113\text{\AA}}$ Nanoscopic Segregations. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24741-24747.	4.0	9
98	Light controlled resistive switching and photovoltaic effects in ferroelectric $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ thin films. <i>Journal of the European Ceramic Society</i> , 2017, 37, 583-591.	2.8	9
99	Hyperfine Fields at the Cd Site in $\text{La}_{0.67}\text{Cd}_{0.25}\text{MnO}_3$ CMR Manganites. <i>Hyperfine Interactions</i> , 2001, 133, 89-94.	0.2	8
100	Charge-ordering contribution to the magnetic entropy change of $\text{La}_{0.67}\text{Cd}_{0.25}\text{MnO}_3$. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 436002.	1.0	8
101	The urea-combustion method in the preparation of precursors for high-TC single phase $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8+\text{f}$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 1643-1646.	0.6	8
102	Hyperfine local probe study of alkaline-earth manganites SrMnO_3 and BaMnO_3 . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 215401.	0.7	8
103	Narrow optical gap ferroelectric $\text{Bi}_2\text{ZnTiO}_6$ thin films deposited by RF sputtering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10696-10701.	5.2	8
104	Light-driven oxygen evolution from water oxidation with immobilised TiO_2 engineered for high performance. <i>Scientific Reports</i> , 2021, 11, 21306.	1.6	8
105	Positive and colossal magnetocaloric effect due to charge ordering in CMR manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2393-2394.	1.0	7
106	Polar properties of $\text{Eu}_{0.6}\text{Y}_{0.4}\text{MnO}_3$ ceramics and their magnetic field dependence. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 446002.	0.7	7
107	Polar properties and phase sequence in $\text{Eu}_{0.8}\text{Y}_{0.2}\text{MnO}_3$. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 125901.	0.7	7
108	Dual Behaviour of Amorphous Carbon Released Electrochemically from Graphite. <i>ChemistrySelect</i> , 2016, 1, 4126-4130.	0.7	7

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109	Treatment of Agro-Industrial Wastewaters by Coagulation-Flocculation-Decantation and Advanced Oxidation Processes – A literature Review. , 0, , .		7
110	Structural and magnetic study of self-doped $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1753-1755.	1.0	6
111	Dielectric and Magnetic Properties of ReMnO_3 (Re = Eu, Gd) Ceramics. Ferroelectrics, 2008, 368, 107-113.	0.3	6
112	Effect of the external fields on the polar and dielectric properties of $\text{Eu}_{0.8}\text{Y}_{0.2}\text{MnO}_3$. Journal of Applied Physics, 2010, 107, 024108.	1.1	6
113	Single site anchored novel pentacoordinate Schiff-base Co(II) complexes over SBA-15 for selective oxidation (O_2) of n-alkanes and kinetic study. Polyhedron, 2014, 69, 119-126.	1.0	6
114	Magnetoelectric effect probe through ppm Fe doping in BaTiO_3 . Journal of Alloys and Compounds, 2016, 661, 495-500.	2.8	6
115	Monitoring of oxidation phases of copper thin films using long period fiber gratings. Sensors and Actuators A: Physical, 2017, 253, 69-74.	2.0	6
116	Hydrophilic Carbon Nanomaterials: Characterisation by Physical, Chemical, and Biological Assays. ChemMedChem, 2019, 14, 699-711.	1.6	6
117	The performance of Zr as barrier layer for Pt bottom electrodes in $\text{Pb}(\text{Zr,Ti})\text{O}_3$ thin film capacitors. Thin Solid Films, 2005, 483, 21-26.	0.8	5
118	Synthesis and application of Fe(III), Ni(II) and Mn(II) complexes anchored to HMS as efficient catalysts for cycloalkane oxyfunctionalization. Journal of Molecular Catalysis A, 2014, 383-384, 159-166.	4.8	5
119	Heat capacity, magnetic and lattice dynamic properties of $\text{TbMn}_{1-x}\text{Fe}_x\text{O}_3$. Journal of Physics: Conference Series, 2015, 592, 012119.	0.3	5
120	Study of the traditional constructions in the Alto Tãçmega region. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	5
121	Tuning of Magnetocaloric Effect in Ferromagnetic La-Sr Manganites through Er and Eu Doping. Materials Science Forum, 2006, 514-516, 299-303.	0.3	4
122	Preparation of compounds using RF-induction. Journal of Non-Crystalline Solids, 2008, 354, 5292-5294.	1.5	4
123	Studies of local fields in the $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ system using perturbed angular correlation spectroscopy. Journal of Non-Crystalline Solids, 2008, 354, 5315-5317.	1.5	4
124	Induced polarized state in intentionally grown oxygen deficient KTaO_3 thin films. Journal of Applied Physics, 2013, 114, 034101.	1.1	4
125	Unravelling the effect of SrTiO_3 antiferrodistortive phase transition on the magnetic properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. Journal Physics D: Applied Physics, 2014, 47, 435002.	1.3	4
126	Breaking the geometric magnetic frustration in controlled off-stoichiometric $\text{LuMn}_{1+z}\text{O}_{3+\hat{r}}$ compounds. Physical Chemistry Chemical Physics, 2016, 18, 13519-13523.	1.3	4

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127	Enhancement of resistivity and magnetization of Bi _{1-x} La _x Fe _{1-y} Mn _y O ₃ ceramics by composition optimization. Journal of Alloys and Compounds, 2020, 835, 155404.	2.8	4
128	Deposition of Magnetoresistive La _{1-x} Ca _x MnO ₃ ; Thin Films by Aerosol-Assisted MOCVD. Key Engineering Materials, 1997, 132-136, 1416-1419.	0.4	3
129	Cadmium doping at Mn site in Pr _{0.5} Ca _{0.5} MnO ₃ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1767-1768.	1.0	3
130	Synthesis of BiFeO ₃ ; Ceramic Targets and Thin Film Deposition by Laser Ablation. Materials Science Forum, 2006, 514-516, 328-332.	0.3	3
131	Tuning the Stoichiometry of Ag ₂ S Thin Films for Resistive Switching Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 2608-2612.	0.9	3
132	Handling magnetic and structural properties of EuMnO ₃ thin films by the combined effect of Lu doping and substrate strain. Journal of Alloys and Compounds, 2018, 762, 319-325.	2.8	3
133	Cd-Doped LaMnO ₃ ; Manganites Prepared by the Sol-Gel Technique. Materials Science Forum, 2006, 514-516, 289-293.	0.3	2
134	The Effects of Ca and Mn Excess Co-Doping in CMR Manganites Solid Solution Structures. Materials Science Forum, 2006, 514-516, 294-298.	0.3	2
135	Phase Separation of La _{0.70-x} Er _x Sr _{0.30} MnO ₃ ; and its Effect on Magnetic and Magnetocaloric Properties. Materials Science Forum, 0, 587-588, 338-342.		2
136	Influence of the Magnetic Anisotropy on the Magnetic Entropy Change of $\{m Ni\}_2\{m Mn\}({m} T)_{ETQ} / \text{Overlock } 10 T f 5$	1.2	2
137	Perturbed angular correlations investigations on YMnO ₃ multiferroic manganite. Hyperfine Interactions, 2010, 197, 83-88.	0.2	2
138	Low Temperature Deposition of Ferromagnetic Ni-Mn-Ga Thin Films From Two Different Targets via rf Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2010, 1250, 1.	0.1	2
139	Oxygen ordering in the high- T_c $\text{HgBa}_2\text{CuO}_8$ superconductor $\text{HgBa}_2\text{CuO}_8$	1.1	2
140	Persistence of the orthorhombic phase in YMnO ₃ hexagonal thin films. Ferroelectrics, 2016, 498, 80-84.	0.3	2
141	Strain-Engineered Tetragonal Phase and Ferroelectricity in GdMnO ₃ Thin Films Grown on SrTiO ₃ (001). Scientific Reports, 2019, 9, 18755.	1.6	2
142	Giant Magnetoresistance in La _{1-x} Ca _x MnO ₃ ; Ceramics and Thin Films. Key Engineering Materials, 1997, 132-136, 1412-1415.	0.4	1
143	Deposition of LaCaMnO ₃ thin films using aerosol-assisted metalorganic chemical vapor deposition (MOCVD) substrate and annealing effects. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 490-492.	1.0	1
144	Infrared anisotropy averaging in polycrystalline samples and resonant scattering: the example of YMnO ₃ . Journal of Optics (United Kingdom), 2012, 14, 045707.	1.0	1

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145	Magnetic phase diagram of multiferroic $\text{Eu}_{1-x}\text{Lu}_x\text{MnO}_3$ investigated by infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2014, 70, 18-27.	1.2	1
146	Tackling Polar Response in Oxygen Deficient KTaO_3 Thin Films. <i>Ferroelectrics</i> , 2014, 465, 44-53.	0.3	1
147	On the Growth and Physical-chemical Characterization of $\text{Tb}_5\text{Si}_2\text{Ge}_2$ Thin Films Produced by Electron-beam Evaporation. <i>Materials Today: Proceedings</i> , 2015, 2, 26-32.	0.9	1
148	Infrared reflectivity investigation of the phase transition sequence in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 408, 81-88.	1.0	1
149	Thermal Infrared Image Processing to Assess Heat Generated by Magnetic Nanoparticles for Hyperthermia Applications. <i>Lecture Notes in Computer Science</i> , 2015, , 25-34.	1.0	1
150	Disentangling the phase sequence and correlated critical properties in $\text{Bi}_{1-x}\text{Mn}_x\text{O}_{7-m}$ by structural studies. <i>Physical Review B</i> , 2021, 104, .		
151	Towards the Preparation of Superconductor $\text{Bi}_{2-x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$ Films by Electrodeposition. <i>Key Engineering Materials</i> , 2002, 230-232, 144-147.	0.4	0
152	Substrate and Composition Effects on BSCCO Thin Films Deposited by Aerosol MOCVD. <i>Key Engineering Materials</i> , 2002, 230-232, 173-176.	0.4	0
153	Perturbed Angular Correlations Studies in the $\text{HgBa}_2\text{CaCu}_2\text{O}_{6+\delta}$ high-TC Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1153-1156.	0.8	0
154	Deposition parameters and annealing key role in setting structural and polar properties of $\text{Bi}_{0.9}\text{La}_{0.1}\text{Fe}_{0.9}\text{Mn}_{0.1}\text{O}_3$ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12690-12697.	1.1	0
155	Anomalous Low-Field Magnetization in $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Near Critical Point. , 1998, , 153-158.		0