Pedro B Tavares

List of Publications by Year
in descending order

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155 papers	4,972 citations	101384 36 h-index	106150 65 g-index
157 all docs	157 docs citations	157 times ranked	6773 citing authors

#	Article	IF	Citations
1	Microalgae and immobilized TiO2/UV-A LEDs as a sustainable alternative for winery wastewater treatment. Water Research, 2021, 203, 117464.	5.3	20
2	Wireless UV-A LEDs-driven AOP in the treatment of agro-industrial wastewaters. Environmental Research, 2021, 200, 111430.	3.7	14
3	Light-driven oxygen evolution from water oxidation with immobilised TiO2 engineered for high performance. Scientific Reports, 2021, 11, 21306.	1.6	8
4	Disentangling the phase sequence and correlated critical properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow>1 by structural studies. Physical Review B, 2021, 104, .	1.1	1
5	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
6	Enhancement of resistivity and magnetization of Bi1-xLaxFe1-yMnyO3 ceramics by composition optimization. Journal of Alloys and Compounds, 2020, 835, 155404.	2.8	4
7	Photocatalytic degradation of an agro-industrial wastewater model compound using a UV LEDs system: kinetic study. Journal of Environmental Management, 2020, 269, 110740.	3.8	36
8	Hydrophilic Carbon Nanomaterials: Characterisation by Physical, Chemical, and Biological Assays. ChemMedChem, 2019, 14, 699-711.	1.6	6
9	Narrow optical gap ferroelectric Bi₂ZnTiO₆ thin films deposited by RF sputtering. Journal of Materials Chemistry A, 2019, 7, 10696-10701.	5.2	8
10	Crossover in the pressure evolution of elementary distortions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>Fe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>perovskites and its impact on their phase transition. Physical Review B, 2019, 99, .	1.1	21
11	Sustainable alkaline activation of fly ash, aluminium anodising sludge and glass powder blends with a recycled alkaline cleaning solution. Construction and Building Materials, 2019, 204, 609-620.	3.2	28
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	Strain-Engineered Tetragonal Phase and Ferroelectricity in GdMnO3 Thin Films Grown on SrTiO3 (001). Scientific Reports, 2019, 9, 18755.	1.6	2
14	Suppression of the cooperative Jahn-Teller distortion and its effect on the Raman octahedra-rotation modes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>TbM</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mtext>â^'</mml:mtext><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:mrow></mml:math> compounds	1.1	11
15	Optimization of N₂O decomposition activity of CuOâ€“CeO₂ mixed oxides by means of synthesis procedure and alkali (Cs) promotion. Catalysis Science and Technology, 2018, 8, 2312-2322.	2.1	32
16	Handling magnetic and structural properties of EuMnO3 thin films by the combined effect of Lu doping and substrate strain. Journal of Alloys and Compounds, 2018, 762, 319-325.	2.8	3
17	Multifunctional mixed valence N-doped CNT@MFe₂O₄ hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. Nanoscale, 2018, 10, 12820-12840.	2.8	26
18	Hybrid magnetic graphitic nanocomposites for catalytic wet peroxide oxidation applications. Catalysis Today, 2017, 280, 184-191.	2.2	21

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19	Tailoring Bi-Te based nanomaterials by electrodeposition: Morphology and crystalline structure. Materials and Design, 2017, 118, 168-174.	3.3	12
20	Disinfection of simulated and real winery wastewater using sulphate radicals: Peroxymonosulphate/transition metal/UV-A LED oxidation. Journal of Cleaner Production, 2017, 149, 805-817.	4.6	53
21	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
22	Catalytic decomposition of N2O on inorganic oxides: Î•ffect of doping with Au nanoparticles. Molecular Catalysis, 2017, 436, 78-89.	1.0	22
23	Oneâ€Step Cathodic and Anodic Synthesis of Hydrophilic Carbon Nanomaterials. ChemElectroChem, 2017, 4, 2693-2702.	1.7	10
24	Deposition parameters and annealing key role in setting structural and polar properties of Bi0.9La0.1Fe0.9Mn0.1O3 thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 12690-12697.	1.1	0
25	Novel multiferroic state and ME enhancement by breaking the AFM frustration in LuMn1â^'xO3. Physical Chemistry Chemical Physics, 2017, 19, 1335-1341.	1.3	10
26	Magnetic phase diagram of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0013.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>TbMn</mml:mi></mml:mrow><mml:mrow><mml:mn>1+</mml:mn> mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: Physica B: Condensed Matter, 2017, 506, 163-167.	1.3	13
27	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
28	Hybrid magnetic graphitic nanocomposites towards catalytic wet peroxide oxidation of the liquid effluent from a mechanical biological treatment plant for municipal solid waste. Applied Catalysis B: Environmental, 2017, 219, 645-657.	10.8	26
29	Selective photocatalytic oxidation of benzyl alcohol to benzaldehyde by using metal-loaded g-C3N4 photocatalysts. Catalysis Today, 2017, 287, 70-77.	2.2	72
30	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
31	Light controlled resistive switching and photovoltaic effects in ferroelectric 0.5Ba(Zr 0.2 Ti 0.8)O 3 -0.5(Ba 0.7 Ca 0.3)TiO 3 thin films. Journal of the European Ceramic Society, 2017, 37, 583-591.	2.8	9
32	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. Molecules, 2016, 21, 644.	1.7	29
33	Breaking the geometric magnetic frustration in controlled off-stoichiometric LuMn_{1+z}O_{3+Î´} compounds. Physical Chemistry Chemical Physics, 2016, 18, 13519-13523.	1.3	4
34	Infrared reflectivity investigation of the phase transition sequence in Pr0.5Ca0.5MnO3. Journal of Magnetism and Magnetic Materials, 2016, 408, 81-88.	1.0	1
35	Quantitative and qualitative assessment of the amorphous phase of a Class F fly ash dissolved during alkali activation reactions â€“ Effect of mechanical activation, solution concentration and temperature. Composites Part B: Engineering, 2016, 103, 1-14.	5.9	57
36	Dual Behaviour of Amorphous Carbon Released Electrochemically from Graphite. ChemistrySelect, 2016, 1, 4126-4130.	0.7	7

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37	Resistive switching in ferroelectric lead-free 0.5Ba (Zr_{0.2}Ti_{0.8})O₃â€“0.5(Ba_{0.7}Ca_{0.3})TiO₃thin films. Journal Physics D: Applied Physics, 2016, 49, 335301.		18
38	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	46
39	Persistence of the orthorhombic phase in YMnO₃ hexagonal thin films. Ferroelectrics, 2016, 498, 80-84.	0.3	2
40	Magnetoelectric effect probe through ppm Fe doping in BaTiO 3. Journal of Alloys and Compounds, 2016, 661, 495-500.	2.8	6
41	Tuning the Stoichiometry of Ag₂S Thin Films for Resistive Switching Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 2608-2612.	0.9	3
42	Treatment of crystallized-fruit wastewater by UV-A LED photo-Fenton and coagulationâ€“flocculation. Chemosphere, 2016, 145, 351-359.	4.2	43
43	Photocatalytic oxidation of Reactive Black 5 with UV-A LEDs. Journal of Environmental Chemical Engineering, 2016, 4, 109-114.	3.3	35
44	Heat capacity, magnetic and lattice dynamic properties of TbMn_{1-x}Fe_xO₃. Journal of Physics: Conference Series, 2015, 592, 012119.	0.3	5
45	Annealing influence on the magnetostructural transition in Gd5Si1.3Ge2.7 thin films. Materials Letters, 2015, 159, 301-304.	1.3	11
46	On the Growth and Physical-chemical Characterization of Tb5Si2Ge2 Thin Films Produced by Electron-beam Evaporation. Materials Today: Proceedings, 2015, 2, 26-32.	0.9	1
47	Ferroelectric phase transitions studies in 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3 ceramics. Journal of Electroceramics, 2015, 35, 135-140.	0.8	31
48	Scaling spinâ€“phonon and spinâ€“spin interactions in magnetoelectric Gd1âˆ’Y MnO3. Journal of Solid State Chemistry, 2015, 228, 76-81.	1.4	17
49	Dzyaloshinskiiâ€“Moriya nature of ferroelectric ordering in magnetoelectric Gd1âˆ’xYxMnO3 system. Solid State Communications, 2015, 208, 34-40.	0.9	15
50	Effect of preparation method on the solid state properties and the deN₂O performance of CuOâ€“CeO₂ oxides. Catalysis Science and Technology, 2015, 5, 3714-3727.	2.1	88
51	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
52	Peculiar Magnetoelectric Coupling in BaTiO₃:Fe_{113Âppm} Nanoscopic Segregations. ACS Applied Materials & Interfaces, 2015, 7, 24741-24747.	4.0	9
53	N-modified TiO 2 photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. Applied Catalysis B: Environmental, 2015, 162, 66-74.	10.8	57
54	Catalytic oxidation of toluene on Ceâ€“Co and Laâ€“Co mixed oxides synthesized by exotemplating and evaporation methods. Catalysis Today, 2015, 244, 161-171.	2.2	129

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55	Photocatalytic production of hydrogen from methanol and saccharides using carbon nanotube-TiO2 catalysts. Applied Catalysis B: Environmental, 2015, 178, 82-90.	10.8	93
56	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	2.2	99
57	Thermal Infrared Image Processing to Assess Heat Generated by Magnetic Nanoparticles for Hyperthermia Applications. Lecture Notes in Computer Science, 2015, , 25-34.	1.0	1
58	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. Applied Catalysis A: General, 2014, 472, 101-112.	2.2	58
59	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. Journal of Environmental Chemical Engineering, 2014, 2, 344-355.	3.3	37
60	Magnetic phase diagram of multiferroic Eu1â^'xLuxMnO3 investigated by infrared spectroscopy. Vibrational Spectroscopy, 2014, 70, 18-27.	1.2	1
61	Single site anchored novel pentacoordinate Schiff-base Co(II) complexes over SBA-15 for selective oxidation (O2) of n-alkanes and kinetic study. Polyhedron, 2014, 69, 119-126.	1.0	6
62	Synthesis and application of FeIII, NiII and MnII complexes anchored to HMS as efficient catalysts for cycloalkane oxyfunctionalization. Journal of Molecular Catalysis A, 2014, 383-384, 159-166.	4.8	5
63	Tackling Polar Response in Oxygen Deficient KTaO3Thin Films. Ferroelectrics, 2014, 465, 44-53.	0.3	1
64	Structural, electrical and magnetic properties of magnetoelectric GdMnO3 thin films prepared by a solâ€“gel method. Thin Solid Films, 2014, 564, 419-425.	0.8	26
65	Dynamic and structural properties of orthorhombic rare-earth manganites under high pressure. Physical Review B, 2014, 90, .	1.1	26
66	Unravelling the effect of SrTiO₃antiferrodistortive phase transition on the magnetic properties of La_{0.7}Sr_{0.3}MnO₃thin films. Journal Physics D: Applied Physics, 2014, 47, 435002.	1.3	4
67	Hyperfine local probe study of alkaline-earth manganites SrMnO₃ and BaMnO₃. Journal of Physics Condensed Matter, 2014, 26, 215401.	0.7	8
68	Room temperature structure and multiferroic properties in Bi0.7La0.3FeO3 ceramics. Journal of Alloys and Compounds, 2013, 554, 97-103.	2.8	32
69	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce1â^'xSmxOÎ´ mixed oxides. Journal of Hazardous Materials, 2013, 261, 512-521.	6.5	92
70	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
71	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. Journal of Environmental Chemical Engineering, 2013, 1, 795-804.	3.3	39
72	Photocatalytic degradation of Reactive Black 5 with TiO2-coated magnetic nanoparticles. Catalysis Today, 2013, 209, 116-121.	2.2	69

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73	Ce-Doped La2O3 based catalyst for the oxidative coupling of methane. Catalysis Communications, 2013, 42, 50-53.	1.6	65
74	Competing exchanges and spinâ€“phonon coupling in Eu1âˆ’xRxMnO3(R=Y, Lu). Journal of Physics Condensed Matter, 2013, 25, 235602.	0.7	11
75	Induced polarized state in intentionally grown oxygen deficient KTaO3 thin films. Journal of Applied Physics, 2013, 114, 034101.	1.1	4
76	Structural and insulator-to-metal phase transition at 50 GPa in GdMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	29
77	Infrared anisotropy averaging in polycrystalline samples and resonant scattering: the example of YMnO3. Journal of Optics (United Kingdom), 2012, 14, 045707.	1.0	1
78	Effect of Mg, Ca, and Sr on CeO₂ 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
79	Nanostructured iron oxide catalysts with gold for the oxidation of carbon monoxide. RSC Advances, 2012, 2, 2957.	1.7	74
80	Phase control studies in Gd5Si2Ge2 giant magnetocaloric compound. Journal of Alloys and Compounds, 2012, 529, 89-95.	2.8	25
81	Magnetically-induced lattice distortions and ferroelectricity in magnetoelectric GdMnO3. Journal of Physics Condensed Matter, 2012, 24, 436002.	0.7	10
82	Superparamagnetic MFe₂O₄ (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
83	Characterization of corn cob as a possible raw building material. Construction and Building Materials, 2012, 34, 28-33.	3.2	107
84	Single site anchored novel Cu(II) catalysts for selective liquidâ€“gas phase O2 oxidation of n-alkanes. Journal of Molecular Catalysis A, 2012, 357, 125-132.	4.8	9
85	Magnetoelectric coupling in multiferroic heterostructure of rf-sputtered Niâ€“Mnâ€“Ga thin film on PMNâ€“PT. Journal of Magnetism and Magnetic Materials, 2012, 324, 1882-1886.	1.0	12
86	A versatile synthesis method of dendrites-free segmented nanowires with a precise size control. Nanoscale Research Letters, 2012, 7, 168.	3.1	14
87	Gold on oxide-doped alumina supports as catalysts for CO oxidation. Applied Nanoscience (Switzerland), 2012, 2, 35-46.	1.6	24
88	Phase diagram of the orthorhombic, lightly lutetium doped EuMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>magnetoelectric system. Physical Review B, 2011, 84, .	1.1	19
89	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
90	Facile one-pot synthesis of Pt nanoparticles /SBA-15: an active and stable material for catalytic applications. Energy and Environmental Science, 2011, 4, 2020.	15.6	49

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91	Size and surface effects on the magnetic properties of NiO nanoparticles. Physical Chemistry Chemical Physics, 2011, 13, 9561.	1.3	140
92	Photocatalytic Activity and UV-Protection of TiO₂ Nanocoatings on Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 2011, 11, 8979-8985.	0.9	28
93	The urea combustion method in the preparation of precursors for high-TC single phase HgBa2Ca2Cu3O8+Î´ superconductors. Physica C: Superconductivity and Its Applications, 2011, 471, 1643-1646.	0.6	8
94	Gold nanoparticles supported on magnesium oxide for CO oxidation. Nanoscale Research Letters, 2011, 6, 435.	3.1	31
95	Perturbed Angular Correlations Studies in the HgBa2CaCu2O6+Î´ high-TC Superconductor. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1153-1156.	0.8	0
96	Gold supported on metal oxides for carbon monoxide oxidation. Nano Research, 2011, 4, 180-193.	5.8	76
97	Corn's cob as a potential ecological thermal insulation material. Energy and Buildings, 2011, 43, 1985-1990.	3.1	114
98	Evaluation of the catalytic activity of Pdâ€“Ag alloys on ethanol oxidation and oxygen reduction reactions in alkaline medium. Journal of Power Sources, 2011, 196, 6092-6098.	4.0	101
99	Ferroelectricity in antiferromagnetic phases of Eu1âˆ’xY xMnO3. Solid State Communications, 2011, 151, 368-371.	0.9	14
100	Oxygen ordering in the high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>superconductor HgBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>CaCu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	2
101	Perturbed angular correlations investigations on YMnO3 multiferroic manganite. Hyperfine Interactions, 2010, 197, 83-88.	0.2	2
102	Structure and physical properties of Eu0.8Y0.2MnO3 ceramics. Journal of Electroceramics, 2010, 25, 203-211.	0.8	15
103	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
104	Oxidation of CO, ethanol and toluene over TiO2 supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	10.8	221
105	Effect of chloride on the sinterization of Au/CeO2 catalysts. Catalysis Today, 2010, 154, 293-302.	2.2	48
106	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. Catalysis Today, 2010, 154, 21-30.	2.2	65
107	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
108	Coupling between phonons and magnetic excitations in orthorhombic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Eu</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mr Physical Review B, 2010, 81, .	1.1	36

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109	Effect of the external fields on the polar and dielectric properties of Eu0.8Y0.2MnO3. Journal of Applied Physics, 2010, 107, 024108.	1.1	6
110	Polar properties and phase sequence in Eu0.8Y0.2MnO3. Journal of Physics Condensed Matter, 2010, 22, 125901.	0.7	7
111	Superparamagnetic Î³-Fe2O3@SiO2 nanoparticles: a novel support for the immobilization of [VO(acac)2]. Dalton Transactions, 2010, 39, 2842.	1.6	109
112	THz and infrared studies of multiferroic hexagonal Y_{1â^'}_xEu_xMnO₃(xâ€‰=â€‰0â€“0.2) ceramics. Phase Transitions, 2010, 83, 931-941.	0.6	14
113	Strong magnetoelastic coupling in orthorhombic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Eu</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>MnO3. Physical Review B, 2010, 82, .	1.1	18
114	Study of the traditionaltabiqueconstructions in theAlto TÃ¢megaregion. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	5
115	Percolation processes and spin-reorientation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PrNi</mml:mtext></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	1.1	14
116	Polar properties of Eu0.6Y0.4MnO3ceramics and their magnetic field dependence. Journal of Physics Condensed Matter, 2009, 21, 446002.	0.7	7
117	Spin-phonon coupling and magnetoelectric properties:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>EuMnO</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>GdMnO</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	1.1	112
118	High refrigerant capacity of PrNi_{5â^'x}Co_xmagnetic compounds exploiting its spin reorientation and magnetic transition over a wide temperature zone. Journal Physics D: Applied Physics, 2009, 42, 055002.	1.3	13
119	Dielectric and Magnetic Properties of ReMnO₃ (Re = Eu, Gd) Ceramics. Ferroelectrics, 2008, 368, 107-113.	0.3	6
120	Synthesis and thermodynamic stability of multiferroic BiFeO3. Materials Letters, 2008, 62, 3984-3986.	1.3	149
121	The effect of chemical distribution on the magnetocaloric effect: A case study in second-order phase transition manganites. Journal of Non-Crystalline Solids, 2008, 354, 5301-5303.	1.5	34
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 Pr1â^'xCaxMnO3 system using perturbed angular correlation spectroscopy. Journal of Non-Crystalline Solids, 2008, 354, 5315-5317.	1.5	4
124	Influence of the Magnetic Anisotropy on the Magnetic Entropy Change of ${m Ni}_{2}{m Mn}({m) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	2
125	Spectroscopic and structural studies of di-ureasils doped with lithium perchlorate. Electrochimica Acta, 2007, 53, 1466-1475.	2.6	27
126	Synthesis of BiFeO₃ Ceramic Targets and Thin Film Deposition by Laser Ablation. Materials Science Forum, 2006, 514-516, 328-332.	0.3	3

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127	Cd-Doped LaMnO₃ Manganites Prepared by the Sol-Gel Technique. Materials Science Forum, 2006, 514-516, 289-293.	0.3	2
128	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
129	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
130	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
131	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
132	Magnetocaloric effect of the (Pr,Ca)MnO3 manganite at low temperatures. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 694-696.	1.0	20
133	Magnetic entropy change of <mml:math altimg="si8.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"	1.0	8
134	The performance of Zr as barrier layer for Pt bottom electrodes in Pb(Zr,Ti)O3 thin film capacitors. Thin Solid Films, 2005, 483, 21-26.	0.8	5
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136	Magnetocaloric effect on the Pr0.43Gd0.25Ca0.32MnO3 manganite. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2385-2386.	1.0	22
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