

AndrÃ© M Pereira

List of Publications by Year in descending order

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142
papers

4,244
citations

145106

33
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145109

60
g-index

147
all docs

147
docs citations

147
times ranked

6578
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Refrigeration Materials at Micro-Scale. , 2022, , 440-450.		1
2	Indium segregation in Gd ₅ (Si,Ge) ₄ magnetocaloric materials. Journal of Alloys and Compounds, 2022, 893, 162245.	2.8	3
3	Hybridizing Triboelectric and Thermomagnetic Effects: A Novel Low-Grade Thermal Energy Harvesting Technology. Advanced Functional Materials, 2022, 32, .	7.8	14
4	Fabrication of FePt nanowires through pulsed electrodeposition into nanoporous alumina templates. Applied Nanoscience (Switzerland), 2022, 12, 3573-3584.	1.6	1
5	Hybridizing Triboelectric and Thermomagnetic Effects: A Novel Low-Grade Thermal Energy Harvesting Technology (Adv. Funct. Mater. 21/2022). Advanced Functional Materials, 2022, 32, .	7.8	0
6	Embedding Multi-Wall Carbon Nanotubes as Conductive Nanofiller onto Bi ₂ Te ₃ Thermoelectric Matrix. U Porto Journal of Engineering, 2022, 8, 35-41.	0.2	0
7	Numerical simulation and optimization of a solid state thermal diode based on shape-memory alloys. Energy, 2022, 255, 124460.	4.5	3
8	Giant magnetostriction in low-concentration magnetorheological elastomers. Composites Part B: Engineering, 2022, 243, 110125.	5.9	12
9	Microscopic information provided by transport measurements. , 2021, , 309-362.		0
10	Graphene-based materials: the key for the successful application of pHEMA as a blood-contacting device. Biomaterials Science, 2021, 9, 3362-3377.	2.6	14
11	Hybrid dual-function thermal energy harvesting and storage technologies: towards self-chargeable flexible/wearable devices. Dalton Transactions, 2021, 50, 9983-10013.	1.6	13
12	Thermal and thermoelectrical measurements. , 2021, , 209-251.		0
13	High-Yield Production of Nano-Lateral Size Graphene Oxide by High-Power Ultrasonication. Materials, 2021, 14, 1916.	1.3	5
14	Versatile Seebeck and electrical resistivity measurement setup for thin films. Review of Scientific Instruments, 2021, 92, 043904.	0.6	4
15	Integrated study of triboelectric nanogenerator for ocean wave energy harvesting: Performance assessment in realistic sea conditions. Nano Energy, 2021, 84, 105890.	8.2	72
16	On manipulating the thermoelectric potential of p-type ZnO by nanostructuring. Materials Today Energy, 2021, 21, 100752.	2.5	5
17	Thermal switching requirements for solid state magnetic refrigeration. Journal of Magnetism and Magnetic Materials, 2021, 533, 167979.	1.0	9
18	Smart dual-functional energy storage/fluorescent textile device based on a new redox-active Mn-doped ZnS solid-gel electrolyte. Chemical Engineering Journal, 2021, 426, 131274.	6.6	2

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19	An Interdigital Planar Energy Harvesting/Storage Device Based On an Ionic Solidâ€“Gel Polymer. ACS Applied Electronic Materials, 2021, 3, 696-703.	2.0	12
20	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. Carbon Trends, 2021, 5, 100137.	1.4	7
21	Magnetoliposomes Based on Magnetic/Plasmonic Nanoparticles Loaded with Tricyclic Lactones for Combined Cancer Therapy. Pharmaceutics, 2021, 13, 1905.	2.0	7
22	Freestanding and flexible composites of magnetocaloric Gd ₅ (Si,Ge) ₄ microparticles embedded in thermoplastic poly(methyl methacrylate) matrix. Materials and Design, 2020, 186, 108354.	3.3	9
23	Emerging triboelectric nanogenerators for ocean wave energy harvesting: state of the art and future perspectives. Energy and Environmental Science, 2020, 13, 2657-2683.	15.6	195
24	Unit cell volume reduction of Gd ₅ (Si,Ge) ₄ nanoparticles controlled by bulk compressibility. Journal of Alloys and Compounds, 2020, 849, 156384.	2.8	3
25	Pressure dependence of the Griffiths-like phase in 5:4 intermetallics. Physical Review B, 2020, 102, .	1.1	1
26	Fabrication of all-solid-state textile supercapacitors based on industrial-grade multi-walled carbon nanotubes for enhanced energy storage. Journal of Materials Science, 2020, 55, 10121-10141.	1.7	20
27	Triboelectric energy harvesting in harsh conditions: Temperature and pressure effects in methane and crude oil environments. Nano Energy, 2020, 72, 104682.	8.2	24
28	Evolution of two-step magnetic transition on nanogranular Gd ₅ Si _{1.3} Ge _{2.7} thin film. Journal of Physics Condensed Matter, 2020, 32, 265401.	0.7	1
29	Graphene Surfaces Interaction with Proteins, Bacteria, Mammalian Cells, and Blood Constituents: The Impact of Graphene Platelet Oxidation and Thickness. ACS Applied Materials & Interfaces, 2020, 12, 21020-21035.	4.0	34
30	Development of Novel Magnetoliposomes Containing Nickel Ferrite Nanoparticles Covered with Gold for Applications in Thermotherapy. Materials, 2020, 13, 815.	1.3	12
31	Nanoengineered textiles: from advanced functional nanomaterials to groundbreaking high-performance clothing. , 2020, , 611-714.		11
32	A magnetically-activated thermal switch without moving parts. Energy Conversion and Management, 2019, 197, 111881.	4.4	19
33	Highly sensitive thermoelectric touch sensor based on p-type SnO _x thin film. Nanotechnology, 2019, 30, 435502.	1.3	17
34	Experimental Evaluation of TENGs for Energy Harvesting in Maritime Applications. , 2019, , .		1
35	High-Performance 1/4-Thermoelectric Device Based on Bi ₂ Te ₃ /Sb ₂ Te ₃ p-n Junctions. ACS Applied Materials & Interfaces, 2019, 11, 38946-38954.	4.0	36
36	Giant negative thermal expansion at the nanoscale in the multifunctional material $Gd_5(Si,Ge)_4$. Physical Review B, 2019, 100, .	1.1	24

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37	Printed Flexible $1/4$ -Thermoelectric Device Based on Hybrid $\text{Bi}_2\text{Te}_3/\text{PVA}$ Composites. ACS Applied Materials & Interfaces, 2019, 11, 8969-8981.	4.0	42
38	Power-generating footwear based on a triboelectric-electromagnetic-piezoelectric hybrid nanogenerator. Nano Energy, 2019, 62, 660-666.	8.2	80
39	Effect of chemical pressure on the magnetocaloric effect of perovskite-like RCrO_3 (R-Yb, Er, Sm and Y). Journal of Alloys and Compounds, 2019, 797, 269-276.	2.8	25
40	Optical Fiber Humidity Sensor Based on Polyvinylidene Fluoride Fabry-Perot. IEEE Photonics Technology Letters, 2019, 31, 549-552.	1.3	43
41	Cluster-glass dynamics of the Griffiths phase in $\text{Tb}_5\text{Ge}_{15}$. Physical Review B, 2019, 99, .		
42	Multicaloric effect in a multiferroic composite of $\text{Gd}_5(\text{Si},\text{Ge})_4$ microparticles embedded into a ferroelectric PVDF matrix. Scientific Reports, 2019, 9, 18308.	1.6	20
43	Magnetocaloric materials: From micro- to nanoscale. Journal of Materials Research, 2019, 34, 134-157.	1.2	48
44	Development of Multifunctional Liposomes Containing Magnetic/Plasmonic $\text{MnFe}_2\text{O}_4/\text{Au}$ Core/Shell Nanoparticles. Pharmaceutics, 2019, 11, 10.	2.0	29
45	Enhanced thermoelectric properties of Sb_2Te_3 and Bi_2Te_3 films for flexible thermal sensors. Journal of Alloys and Compounds, 2019, 774, 1102-1116.	2.8	70
46	Recovery of thermal energy released in the composting process and their conversion into electricity utilizing thermoelectric generators. Applied Thermal Engineering, 2018, 138, 319-324.	3.0	15
47	Multifunctional Ferrite Nanoparticles: From Current Trends Toward the Future. , 2018, , 59-116.		34
48	Magnetoliposomes containing magnesium ferrite nanoparticles as nanocarriers for the model drug curcumin. Royal Society Open Science, 2018, 5, 181017.	1.1	31
49	Reinforcement of Thermoplastic Corn Starch with Crosslinked Starch/Chitosan Microparticles. Polymers, 2018, 10, 985.	2.0	25
50	Lanthanum Dilution Effects on the Giant Magnetocaloric $\text{Gd}_5\text{Si}_{1.8}\text{Ge}_{2.2}$ Compound. Physica Status Solidi (B): Basic Research, 2018, 255, 1800101.	0.7	4
51	Geometrical optimization of a thermoelectric device: Numerical simulations. Energy Conversion and Management, 2018, 169, 217-227.	4.4	50
52	Multifunctional mixed valence N-doped $\text{CNT}@\text{MFe}_2\text{O}_4$ hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. Nanoscale, 2018, 10, 12820-12840.	2.8	26
53	Tailoring Bi-Te based nanomaterials by electrodeposition: Morphology and crystalline structure. Materials and Design, 2017, 118, 168-174.	3.3	12
54	Insights on the origin of the TbGe magnetocaloric effect. Physica B: Condensed Matter, 2017, 513, 72-76.	1.3	0

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55	Magnetoliposomes as carriers for promising antitumor thieno[3,2-b]pyridin-7-arylamines: photophysical and biological studies. <i>RSC Advances</i> , 2017, 7, 15352-15361.	1.7	27
56	Pressure effects on spin-lattice coupling of CdCr ₂ S ₄ . <i>Journal of Alloys and Compounds</i> , 2017, 715, 83-90.	2.8	1
57	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosan-Based Nanocatalyst for Nitroarenes Reduction. <i>ChemCatChem</i> , 2017, 9, 3930-3941.	1.8	31
58	Exchange bias and enhanced anisotropy from exchange coupled Fe ₃ C/CoO nanoaggregates. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 332-337.	1.0	6
59	On the nature of the (de)coupling of the magnetostructural transition in Er ₅ Si ₄ . <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700143.	0.7	1
60	Suppression of magnetostructural transition on GdSiGe thin film after thermal cyclings. <i>Thin Solid Films</i> , 2017, 621, 247-252.	0.8	8
61	Novel thermal switch based on magnetic nanofluids with remote activation. <i>Nano Energy</i> , 2017, 31, 278-285.	8.2	41
62	Bi-Te Thin Film Produced by Ion Beam Sputtering: Impact of Beam Voltage in the Seebeck Coefficient. <i>Materials Today: Proceedings</i> , 2017, 4, 12383-12390.	0.9	3
63	Progress in the Raman spectra analysis of covalently functionalized multiwalled carbon nanotubes: unraveling disorder in graphitic materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12784-12796.	1.3	232
64	Triboelectric driven turbine to generate electricity from the motion of water. <i>Nano Energy</i> , 2016, 30, 379-386.	8.2	58
65	Optimization of the physical properties of magnetocaloric materials for solid state magnetic refrigeration. <i>Applied Thermal Engineering</i> , 2016, 99, 514-517.	3.0	34
66	Magnetically recyclable mesoporous iron oxide-silica materials for the degradation of acetaminophen in water under mild conditions. <i>Polyhedron</i> , 2016, 106, 125-131.	1.0	10
67	Magnetocaloric effect and refrigerant capacity in polycrystalline YCrO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2016, 91, 182-188.	1.9	24
68	Publisher's Note: Quantifying the deleterious role of strong correlations in La _{1-x} Ca _x MnO ₃ at the magnetocaloric transition [Phys. Rev. B 91, 134410 (2015)]. <i>Physical Review B</i> , 2015, 91, .	1.1	1
69	Annealing influence on the magnetostructural transition in Gd ₅ Si _{1.3} Ge _{2.7} thin films. <i>Materials Letters</i> , 2015, 159, 301-304.	1.3	11
70	On the Growth and Physical-chemical Characterization of Tb ₅ Si ₂ Ge ₂ Thin Films Produced by Electron-beam Evaporation. <i>Materials Today: Proceedings</i> , 2015, 2, 26-32.	0.9	1
71	Magnetocaloric effect in La _{0.7} Ca _{0.3} MnO ₃ nanotube arrays with broad working temperature span. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	14
72	Dynamics of the First-Order Metamagnetic Transition in Magnetocaloric La(Fe,Si) ₁₃ : Reducing Hysteresis. <i>Advanced Energy Materials</i> , 2015, 5, 1401639.	10.2	67

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73	Gd ₅ (Si,Ge) ₄ thin film displaying large magnetocaloric and strain effects due to magnetostructural transition. Applied Physics Letters, 2015, 106, .	1.5	27
74	Architected design of superparamagnetic Fe ₃ O ₄ nanoparticles for application as MRI contrast agents: mastering size and magnetism for enhanced relaxivity. Journal of Materials Chemistry B, 2015, 3, 6261-6273.	2.9	39
75	Influence of short time milling in R ₅ (Si,Ge) ₄ , R = Gd and Tb, magnetocaloric materials. Materials and Design, 2015, 85, 32-38.	3.3	27
76	Automatized and desktop AC-susceptometer for the in situ and real time monitoring of magnetic nanoparticles synthesis by coprecipitation. Review of Scientific Instruments, 2015, 86, 043904.	0.6	6
77	Quantifying the deleterious role of strong correlations in the magnetocaloric transition. Physical Review B, 2015, 91, .		
78	Phase Competitions behind the Giant Magnetic Entropy Variation: Gd ₅ Si ₂ Ge ₂ and Tb ₅ Si ₂ Ge ₂ Case Studies. Entropy, 2014, 16, 3813-3831.	1.1	19
79	Maximizing the temperature span of a solid state active magnetic regenerative refrigerator. Applied Energy, 2014, 113, 1149-1154.	5.1	44
80	Star-shaped magnetite@gold nanoparticles for protein magnetic separation and SERS detection. RSC Advances, 2014, 4, 3690-3698.	1.7	86
81	Room temperature magnetocaloric effect and refrigerant capacitance in La _{0.7} Sr _{0.3} MnO ₃ nanotube arrays. Applied Physics Letters, 2014, 105, .	1.5	34
82	Dielectric and magnetic studies of (NK _{1-x} NL _x) _{1-x} (NZFO) _x multiferroic composites. Journal of Alloys and Compounds, 2014, 614, 277-282.	2.8	7
83	Tailored design of Co _x Mn _{1-x} Fe ₂ O ₄ nanoferrites: a new route for dual control of size and magnetic properties. Journal of Materials Chemistry C, 2014, 2, 5818-5828.	2.7	52
84	Spontaneous magnetization above T _C in polycrystalline La _{0.7} Ca _{0.3} MnO ₃ and La _{0.7} Ba _{0.3} MnO ₃ . Physical Review B, 2014, 90, .	1.1	37
85	Nanoporous alumina as templates for multifunctional applications. Applied Physics Reviews, 2014, 1, 031102.	5.5	225
86	The Effect of Coolants on the Performance of Magnetic Micro-Refrigerators. Journal of Nanoscience and Nanotechnology, 2014, 14, 4337-4340.	0.9	4
87	Critical magnetic behavior of magnetocaloric materials with the Gd ₅ Si ₄ -type structure. Journal of Applied Physics, 2013, 113, .	1.1	17
88	Alkene epoxidation by manganese(III) complexes immobilized onto nanostructured carbon CMK-3. Catalysis Today, 2013, 203, 103-110.	2.2	45
89	Dynamic engineering of Cr ₃ ions and short-range magneto-electric clusters in CdCr ₂ S ₅ nanowires. Journal of Materials Chemistry, 2012, 22, 3110.	1.1	28
90	Precise control of the filling stages in branched nanopores. Journal of Materials Chemistry, 2012, 22, 3110.	6.7	27

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91	Phase control studies in Gd ₅ Si ₂ Ge ₂ giant magnetocaloric compound. Journal of Alloys and Compounds, 2012, 529, 89-95.	2.8	25
92	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
93	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.	1.1	15
94	On the Curie temperature dependency of the magnetocaloric effect. Applied Physics Letters, 2012, 100, .	1.5	67
95	Solid state magnetic refrigerator. Applied Energy, 2012, 93, 570-574.	5.1	71
96	Oxidovanadium(IV) acetylacetonate immobilized onto CMK-3 for heterogeneous epoxidation of geraniol. Microporous and Mesoporous Materials, 2012, 160, 67-74.	2.2	37
97	Unravelling the effect of interparticle interactions and surface spin canting in γ -Fe ₂ O ₃ @SiO ₂ superparamagnetic nanoparticles. Journal of Applied Physics, 2011, 109, .	1.1	38
98	[VO(acac) ₂] hybrid catalyst: from complex immobilization onto silica nanoparticles to catalytic application in the epoxidation of geraniol. Catalysis Science and Technology, 2011, 1, 784.	2.1	51
99	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
100	Size and surface effects on the magnetic properties of NiO nanoparticles. Physical Chemistry Chemical Physics, 2011, 13, 9561.	1.3	140
101	Insights into the role of magnetoelastic anisotropy in the magnetization reorientation of magnetic nanowires. Physical Review B, 2011, 84, .	1.1	21
102	Unveiling the (De)coupling of magnetostructural transition nature in magnetocaloric R ₅ Si ₂ Ge ₂ (R = Tb, Dy, Ho, Er, Tm, Yb, Lu) compounds. Applied Physics Letters, 2011, 98, .	1.5	20
103	Magnetotransport properties of La _{0.7} Sr _{0.3} MnO ₃ /Nd _{0.6} Ca _{0.4} MnO ₃ superlattices up to 25 T. Journal of Applied Physics, 2011, 109, .	1.1	1
104	Electron scattering processes in Ho ₅ (SixGe _{1-x}) ₄ compounds: Electrical resistivity studies. Physical Review B, 2011, 83, .	1.1	9
105	Superconductivity in the high-T _c superconductor HgBa ₂ CaCu ₂ O ₈ . Applied Physics Letters, 2011, 98, .	1.1	2
106	Understanding the role played by Fe on the tuning of magnetocaloric effect in Tb ₅ Si ₂ Ge ₂ . Applied Physics Letters, 2011, 98, .	1.5	18
107	Influence of Micro-Channel Shape and Magnetic Material on the Magneto-Refrigeration Process of Integrated Circuits. Journal of Nanoscience and Nanotechnology, 2010, 10, 2590-2593.	0.9	2
108	Study of Nanostructured Array of Antidots Using Pulsed Magnetic Fields. Journal of Low Temperature Physics, 2010, 159, 245-248.	0.6	12

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109	High-Field Magnetoresistance of La _{0.67} Sr _{0.33} MnO ₃ Thin Films Deposited on LiNbO ₃ Substrates. Journal of Low Temperature Physics, 2010, 159, 156-159.	0.6	3
110	Coupling between phonons and magnetic excitations in orthorhombic $\text{Eu}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2010, 81, .	1.1	36
111	Polar properties and phase sequence in Eu _{0.8} Y _{0.2} MnO ₃ . Journal of Physics Condensed Matter, 2010, 22, 125901.	0.7	7
112	La _{2/3} Sr _{1/3} MnO ₃ thin films deposited by laser ablation on lithium niobate substrates. Journal of Physics: Conference Series, 2010, 200, 052007.	0.3	2
113	Griffiths-like phase of magnetocaloric $\text{Eu}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2010, 82, .	1.1	14
114	Superparamagnetic $\text{Fe}_3\text{O}_4/\text{SiO}_2$ nanoparticles: a novel support for the immobilization of [VO(acac) ₂]. Dalton Transactions, 2010, 39, 2842.	1.6	109
115	Strong magnetoelastic coupling in orthorhombic $\text{Eu}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2010, 82, .	1.1	18
116	Magnetic field strength and orientation effects on Co-Fe discontinuous multilayers close to percolation. Physical Review B, 2010, 82, .	1.1	7
117	Percolation processes and spin-reorientation of $\text{PrNi}_{1-x}\text{Co}_x$. Physical Review B, 2009, 79, .	1.1	14
118	Magnetic and crystal structure of Ho ₅ (SixGe _{1-x}) ₄ studied by neutron diffraction. Physical Review B, 2009, 80, .	1.1	13
119	High refrigerant capacity of $\text{PrNi}_{1-x}\text{Co}_x$ magnetic compounds exploiting its spin reorientation and magnetic transition over a wide temperature zone. Journal Physics D: Applied Physics, 2009, 42, 055002.	1.3	13
120	Magnetic characterization of MnPt/CoFe bilayers using the MOKE technique. Vacuum, 2008, 82, 1486-1488.	1.6	1
121	Transport properties near the magneto/structural transition of Tb ₅ Si ₂ Ge ₂ . Journal of Non-Crystalline Solids, 2008, 354, 5298-5300.	1.5	8
122	Structural, magnetic and transport properties of ion beam deposited Co thin films. Journal of Non-Crystalline Solids, 2008, 354, 5279-5281.	1.5	15
123	Stress induced magnetic anisotropy on BaTiO ₃ /CoFe ₂ O ₄ nanogranular composite thin films. Journal of Non-Crystalline Solids, 2008, 354, 5250-5252.	1.5	10
124	Simulations of refrigeration on integrated circuits using micro-channels. Journal of Non-Crystalline Solids, 2008, 354, 5295-5297.	1.5	7
125	Preparation of compounds using RF-induction. Journal of Non-Crystalline Solids, 2008, 354, 5292-5294.	1.5	4
126	Studies of local fields in the Pr _{1-x} CaxMnO ₃ system using perturbed angular correlation spectroscopy. Journal of Non-Crystalline Solids, 2008, 354, 5315-5317.	1.5	4

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127	Structural and magnetic properties of $\text{Ho}_5\text{Mn}_2\text{S}_7$. Physical Review B, 2008, 77, .		
128	Three-state memory combining resistive and magnetic switching using tunnel junctions. Journal Physics D: Applied Physics, 2007, 40, 5819-5823.	1.3	16
129	Effect of rare earth ion in the thermopower of compounds with R=Gd and Tb. Journal of Magnetism and Magnetic Materials, 2007, 310, e580-e582.	1.0	5
130	Transport Properties of Low Resistance Underoxidized Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2007, 43, 2815-2817.	1.2	1
131	Observation of a Griffiths-like Phase in the Magnetocaloric Compound $\text{Tb}_5\text{Si}_2\text{Ge}_2$. Physical Review Letters, 2006, 96, 167201.	2.9	191
132	Ferromagnetic/mictomagnetic transitions in Fe rich $\text{Fe}_{1-x}\text{Al}_x$ alloys: A magnetoresistivity study. Journal of Alloys and Compounds, 2006, 423, 84-86.	2.8	0
133	Transport and magnetic properties of the Er_5Si_4 compound. Journal of Alloys and Compounds, 2006, 423, 66-68.	2.8	6
134	Thermopower in specular spin valves. Journal of Alloys and Compounds, 2006, 423, 240-243.	2.8	2
135	Electromigration-driven resistance switching in non-magnetic tunnel junctions. Journal of Alloys and Compounds, 2006, 423, 181-183.	2.8	1
136	Domain imaging, MOKE and magnetoresistance studies of CoFeB films for MRAM applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 180-186.	1.7	29
137	Heat Generation in Tunnel Junctions for Current-Written Pinned Layer Switching. Materials Science Forum, 2006, 514-516, 323-327.	0.3	8
138	Short-Range Effects and Magnetization Reversal in $\text{Co}_{80}\text{Fe}_{20}$ Thin Films: A MOKE Magnetometry/ Domain Imaging and AMR Study. Materials Science Forum, 2006, 514-516, 1145-1149.	0.3	1
139	Thermopower and electrical resistivity behavior near the martensitic transition in $\text{Gd}_5(\text{SixGe}_{1-x})_4$ magnetocaloric compounds. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 661-664.	1.0	11
140	Multi-step and anomalous reproducible behaviour of the electrical resistivity near the first-order magnetostructural transition of $\text{Gd}_5(\text{Si}_{0.1}\text{Ge}_{0.9})_4$. Journal of Physics Condensed Matter, 2005, 17, 2461-2476.	0.7	13
141	Transport and magnetic study of the spin reorientation transition in the $\text{Tb}_5(\text{Si}_{0.5}\text{Ge}_{0.5})_4$ magnetocaloric compound. Journal of Physics Condensed Matter, 2005, 17, 4941-4949.	0.7	17
142	Design of electromagnetic shielding textiles based on industrial-grade multiwalled carbon nanotubes and graphene nanoplatelets by dip-coating dry process. Physica Status Solidi (A) Applications and Materials Science, 0, , .	0.8	4