Raghavan Gopalan

List of Publications by Year
in descending order

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159 papers	2,846 citations	201385 27 h-index	253896 43 g-index
160 all docs	160 docs citations	160 times ranked	2871 citing authors

#	Article	IF	Citations
1	Influence of postâ€synthesis NaCl flux treatment on the magnetic properties of jetâ€milled SrFe₁₂O₁₉ powders. Journal of the American Ceramic Society, 2022, 105, 1116-1126.	1.9	5
2	Interfacial thermoelectric and mechanical properties of indigenously prepared Niâ€“Crâ€“Cu/Co4Sb12 skutterudite thermoelectric joints. Ceramics International, 2022, 48, 29175-29182.	2.3	3
3	Magnetocaloric Effect, Magnetic Interactions and Phase Transition in La1.3Fe11.6-xSi1.4Gax Alloys. Journal of Superconductivity and Novel Magnetism, 2022, 35, 2505-2518.	0.8	3
4	Investigation of Magnetocaloric Properties and Critical Behavior in Layered Type (Ce_{0.65}La_{0.35})Mn₂Ge₂ Room Temperature Ferromagnet. IEEE Transactions on Magnetics, 2022, 58, 1-7.	1.2	0
5	Pressure induced enhancement in the thermoelectric and mechanical properties of Ni-doped skutterudites during spark plasma sintering. Materials Research Innovations, 2021, 25, 227-232.	1.0	5
6	Thermally stable, low resistance Mg2Si0.4Sn0.6/Cu thermoelectric contacts using SS 304 interlayer by one step sintering. Materials Research Bulletin, 2021, 136, 111147.	2.7	13
7	On the Structural and Magnetic Properties of Mn-Bi Alloy Jet Milled at Different Feed Rates. Journal of Superconductivity and Novel Magnetism, 2021, 34, 733-737.	0.8	0
8	Effect of Refractory Tantalum Metal Filling on the Microstructure and Thermoelectric Properties of Co₄Sb₁₂ Skutterudites. ACS Omega, 2021, 6, 3900-3909.	1.6	7
9	Compositionâ€Dependent Longâ€Term Stability of Mosaic Solidâ€Electrolyte Interface for Longâ€Life Lithiumâ€Ion Battery. Batteries and Supercaps, 2021, 4, 1720-1730.	2.4	5
10	Magnetic and optical properties of green synthesized nickel ferrite nanoparticles and its application into photocatalysis. Nanotechnology, 2021, 32, 505725.	1.3	9
11	Effect of ball-milling on the phase formation and enhanced thermoelectric properties in zinc antimonides. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115274.	1.7	12
12	Enhancing the thermoelectric efficiency in p-type Mg₃Sb₂via Mg site co-doping. Sustainable Energy and Fuels, 2021, 5, 4104-4114.	2.5	19
13	Unusual Case of Higher Cyclic Stability at a Wider Voltage Window in Sodium Vanadium Phosphate. ACS Applied Energy Materials, 2021, 4, 12581-12592.	2.5	4
14	Surface oxygen vacancy engineering and physical protection by in-situ carbon coating process of lithium rich layered oxide. Journal of Power Sources, 2021, 515, 230623.	4.0	14
15	Influence of nanoprecipitates, solid solution and grain size on the magnetic and electrical properties of Fe-P-Si alloys. Journal of Magnetism and Magnetic Materials, 2020, 493, 165743.	1.0	5
16	Tailoring micro resistance spot welding parameters for joining nickel tab to inner aluminium casing in a cylindrical lithium ion cell and its influence on the electrochemical performance. Journal of Manufacturing Processes, 2020, 49, 463-471.	2.8	20
17	Development of high-coercivity state in high-energy and high-temperature Sm-Co-Fe-Cu-Zr magnets upon step cooling. Journal of Alloys and Compounds, 2020, 820, 153103.	2.8	10
18	On the giant magnetocaloric and mechanical properties of Mnâ€“Feâ€“Pâ€“Si-Ge alloy. Journal of Alloys and Compounds, 2020, 817, 153232.	2.8	16

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19	Comprehensive effort on electrode slurry preparation for better electrochemical performance of LiFePO4 battery. Journal of Power Sources, 2020, 480, 228837.	4.0	26
20	A Novel Î±â€MoO₃/Singleâ€Walled Carbon Nanohorns Composite as Highâ€Performance Anode Material for Fastâ€Charging Lithiumâ€Ion Battery. Advanced Energy Materials, 2020, 10, 2001627.	10.2	54
21	Investigation of magnetocaloric and mechanical properties of Ni49-xMn39Sb12Cox alloys. Journal of Alloys and Compounds, 2020, 847, 156558.	2.8	13
22	Effect of recovery and recrystallization on microstructure and magnetic properties of Fe-0.4P rolled sheets. Materialia, 2020, 13, 100863.	1.3	0
23	Concentration Gradient-Driven Aluminum Diffusion in a Single-Step Coprecipitation of a Compositionally Graded Precursor for LiNi_{0.8}Co_{0.135}Al_{0.065}O₂ with Mitigated Irreversibility of H2 â†” H3 Phase Transition. ACS Applied Materials & Interfaces, 2020, 12, 34959-34970.	4.0	8
24	A Sustainable Tamarind Kernel Powder Based Aqueous Binder for Graphite Anode in Lithiumâ€Ion Batteries. ChemistrySelect, 2020, 5, 1199-1208.	0.7	5
25	Recent Developments in Electrode Materials for Lithium-Ion Batteries for Energy Storage Application. , 2020, , 1297-1333.		0
26	Charge transport mechanism and thermoelectric behavior in Te:(PEDOT:PSS) polymer composites. Materials Research Express, 2019, 6, 115302.	0.8	11
27	Sc-doping induced cation-disorder in LiNi0.5Mn1.5O4 spinel leading to improved electrochemical performance as cathode in lithium ion batteries. Electrochimica Acta, 2019, 327, 135008.	2.6	31
28	Superior Cycling and Rate Performance of Micronâ€Sized Tin Using Aqueousâ€Based Binder as a Sustainable Anode for Lithiumâ€Ion Batteries. Energy Technology, 2019, 7, 1900849.	1.8	4
29	Structural stability and superior electrochemical performance of Sc-doped LiMn2O4 spinel as cathode for lithium ion batteries. Electrochimica Acta, 2019, 301, 342-351.	2.6	83
30	Coercivity kinetics upon step annealing of sintered Sm(Co0.88â€“Fe Cu0.09Zr0.03)7 magnets. Journal of Rare Earths, 2019, 37, 1059-1065.	2.5	13
31	Magnetocaloric properties and critical exponents in anti-PbFCl type ZnMnSb room temperature ferromagnet prepared via different routes. Journal of Magnetism and Magnetic Materials, 2019, 489, 165437.	1.0	3
32	Thermal conductivity of nanostructured Fe0.04Co0.96Sb3 skutterudite. Materials Letters, 2019, 252, 231-234.	1.3	14
33	Mn2V0.5Co0.5Z (Zâ€¯=â€¯Ga, Al) Heusler alloys: High TC compensated P-type ferrimagnetism in arc melted bulk and N-type ferrimagnetism in melt-spun ribbons. Journal of Magnetism and Magnetic Materials, 2019, 489, 165298.	1.0	11
34	Microstructure and Magnetic Properties of Anisotropic Strontium Hexaferrite Powders. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	7
35	Enhancement of martensite transition temperature and inverse magnetocaloric effect in Ni43Mn47Sn11 alloy with B doping. Journal of Alloys and Compounds, 2019, 795, 519-527.	2.8	19
36	Tuning of Mg content to enhance the thermoelectric properties in binary Mg_{2+Î´}Si (Î´ = 0, 0.1, 0.15, 0.2). Materials Research Express, 2019, 6, 125519.	0.8	5

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37	Structure and Magnetic Properties of Heat-Resistant Sm(Co0.796â^'xFe0.177CuxZr0.027)6.63 Permanent Magnets with High Coercivity. Jom, 2019, 71, 559-566.	0.9	8
38	Elevated Temperature Behavior of CuPb18SbTe20/Nano-Ag/Cu Joints for Thermoelectric Devices. Journal of Electronic Materials, 2019, 48, 1276-1285.	1.0	7
39	Tuning the optical and thermoelectric properties of SrTi0.8â^'x Sn0.2FexO3. Materials Research Express, 2019, 6, 045905.	0.8	4
40	Correlation of microstructure and magnetic properties in Sm(CobalFe0.1Cu0.1Zr0.033)6.93 magnets solution-treated at different temperatures. Rare Metals, 2019, 38, 20-28.	3.6	27
41	Investigation on polyvinyl alcohol and sodium alginate as aqueous binders for lithium-titanium oxide anode in lithium-ion batteries. Ionics, 2019, 25, 2549-2561.	1.2	27
42	Recent Developments in Electrode Materials for Lithium-Ion Batteries for Energy Storage Application. , 2019, , 1-37.		0
43	Chapter 3. Intercalation-based Layered Materials for Rechargeable Sodium-ion Batteries. RSC Smart Materials, 2019, , 71-94.	0.1	0
44	Tamarind seed skin-derived fiber-like carbon nanostructures as novel anode material for lithium-ion battery. Ionics, 2018, 24, 3413-3421.	1.2	11
45	Tailoring the optical phonon modes and dielectric properties of nanocrystalline SrTiO3via Yb doping. Materials Research Express, 2018, 5, 046301.	0.8	3
46	Peculiar Kinetics of Coercivity of Sintered Sm(Co_{0.78}Fe_{0.10}Cu_{0.10}Zr_{0.02})₇ Magnet Upon Slow Cooling. IEEE Transactions on Magnetics, 2018, 54, 1-7.	1.2	9
47	Near total magnetic moment compensation with high Curie temperature in Mn₂V_{0.5}Co_{0.5}Z (Zâ€‰â€‰=â€‰â€‰Ga,Al) Heusler alloys. Journal Physics D: Applied Physics, 2018, 51, 075002.	1.3	16
48	Investigation of structural and magnetic properties of Al and Cu doped MnBi alloy. Journal of Magnetism and Magnetic Materials, 2018, 458, 23-29.	1.0	21
49	In Situ/ex Situ Investigations on the Formation of the Mosaic Solid Electrolyte Interface Layer on Graphite Anode for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 28717-28726.	1.5	62
50	Microstructure and doping effect on the enhancement of the thermoelectric properties of Ni doped Dy filled CoSb₃skutterudites. Sustainable Energy and Fuels, 2018, 2, 2687-2697.	2.5	40
51	Infrared Spectroscopy Signatures of Aluminum Segregation and Partial Oxygen Substitution by Sulfur in LiNi_{0.8}Co_{0.15}Al_{0.05}O₂. ACS Applied Energy Materials, 2018, 1, 2536-2545.	2.5	6
52	Effects of surfactant on the structural and magnetic properties of hydrothermally synthesized NiFe2O4 nanoparticles. Materials Chemistry and Physics, 2018, 218, 70-76.	2.0	50
53	High temperature magnetic studies on Bi1-xCaxFe1â^'yTiyO3-Î´ nanoparticles: Observation of Hopkinson-like effect above TN. Journal of Applied Physics, 2018, 124, .	1.1	6
54	Synthesis of graphene sheets from single walled carbon nanohorns: novel conversion from cone to sheet morphology. Materials Research Express, 2017, 4, 035008.	0.8	6

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55	On the formation of phases and their influence on the thermal stability and thermoelectric properties of nanostructured zinc antimonide. Journal Physics D: Applied Physics, 2017, 50, 015602.	1.3	6
56	Microstrain engineered magnetic properties in Bi_{1â^'x}Ca_xFe_{1â^'y}Ti_yO_{3â^'Î´}nanopar deviation from NÃ©elâ€™s 1/dsize-dependent magnetization behaviour. Materials Research Express, 2017, 4, 106106.	0.8	9
57	In-situ carbon encapsulation of LiNi1/3Co1/3Mn1/3O2 using pillared ethylene glycol trapped in the metal hydroxide interlayers for enhanced cyclic stability. Electrochimica Acta, 2017, 251, 363-377.	2.6	12
58	Role of Cu layer thickness on the magnetic anisotropy of pulsed electrodeposited Ni/Cu/Ni tri-layer. Materials Research Express, 2017, 4, 075040.	0.8	1
59	Dual Stabilization and Sacrificial Effect of Na₂CO₃ for Increasing Capacities of Na-Ion Cells Based on P2-Na_xMO₂ Electrodes. Chemistry of Materials, 2017, 29, 5948-5956.	3.2	95
60	Effect of Si addition on AC and DC magnetic properties of (Fe-P)-Si alloy. AIP Advances, 2016, 6, .	0.6	4
61	Phase stability and lattice thermal conductivity reduction in CoSb3 skutterudites, doped with chalcogen atoms. AIP Advances, 2016, 6, 075308.	0.6	17
62	Structural and magnetic properties of the low temperature phase MnBi with ball milling. Materials Research Express, 2016, 3, 056102.	0.8	10
63	Phase stability and thermoelectric properties of Cu10.5Zn1.5Sb4S13 tetrahedrite. Journal of Alloys and Compounds, 2016, 667, 323-328.	2.8	24
64	52.7 kOe high coercivity in Sm(Co0.9Cu0.1)4.8 melt-spun ribbons. AIP Advances, 2015, 5, .	0.6	11
65	The effect of Cu₂O nanoparticle dispersion on the thermoelectric properties of n-type skutterudites. Journal Physics D: Applied Physics, 2015, 48, 455309.	1.3	23
66	Effect of Iron on the Enhancement of Magnetic Properties for Cobalt-Based Soft Magnetic Metallic Glasses. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1019-1023.	1.1	17
67	Corrigendum to â€œCoercivity of Sm(Co0.9Cu0.1)4.8 melt-spun ribbonsâ€•[J. Alloys Compd. 436 (2007) 358â€“363]. Journal of Alloys and Compounds, 2015, 641, 162.	2.8	1
68	On the temperature dependent magnetic properties of as-spun Mnâ€“Bi ribbons. Journal of Magnetism and Magnetic Materials, 2015, 377, 485-489.	1.0	16
69	Fabrication of Visible-Light-Driven N-Doped Ordered Mesoporous TiO₂ Photocatalysts and Their Photocatalytic Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 3181-3186.	0.9	6
70	Raman spectral signature of Mn-rich nanoscale phase segregations in carbon free LiFe_{1â^'x}Mn_xPO₄ prepared by hydrothermal technique. RSC Advances, 2014, 4, 64429-64437.	1.7	16
71	AC Magnetic Properties and Core Loss Behavior of Feâ€“P Soft Magnetic Sheets. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	10
72	On the Question of Thermal Stability and Magnetic Properties of Mn_{0.6}Zn_{0.4}Fe₂O₄ Nanoparticles Prepared by Sol-Gel Method. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	13

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73	Microstructural and magnetic properties study of Feâ€“P rolled sheet alloys. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 38-43.	1.0	16
74	Efficient reduced graphene oxide grafted porous Fe3O4 composite as a high performance anode material for Li-ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 5284.	1.3	128
75	Preparation of LiMn₂O₄ Graphene Hybrid Nanostructure by Combustion Synthesis and Their Electrochemical Properties. AIMS Materials Science, 2014, 1, 174-183.	0.7	4
76	Urea and sucrose assisted combustion synthesis of LiFePO4/C nano-powder for lithium-ion battery cathode application. AIMS Materials Science, 2014, 1, 191-201.	0.7	8
77	High saturation magnetization in Feâ€“0.4 wt% P alloy processed by a two-step heat treatment. Journal of Magnetism and Magnetic Materials, 2013, 345, 239-242.	1.0	5
78	Corrigendum to â€œEffect of sintering temperature on the structure and magnetic properties of SmCo5/Fe nanocomposite magnets prepared by spark plasma sinteringâ€•[Intermetallics 17/7 (2009) 517â€“522]. Intermetallics, 2013, 42, 198.	1.8	1
79	Effect of sintering temperature on the structure and magnetic properties of SmCo5/Fe nanocomposite magnets prepared by spark plasma sintering. Intermetallics, 2013, 42, 199-204.	1.8	13
80	Large low-field inverse magnetocaloric effect near room temperature in Ni50â^'x Mn37+x In13 Heusler alloys. Applied Physics A: Materials Science and Processing, 2010, 99, 265-270.	1.1	19
81	Improved magnetoelectricity by uniaxial magnetic field pressed and sintered composites in BaTiO3 (x)â€“BaFe12O19 (1â^'x) system (x=0.8, 0.6). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 289-293.	1.7	24
82	High coercivity FePtâ€“C bulk magnet processed by spark plasma sintering and hot deformation. Journal of Magnetism and Magnetic Materials, 2010, 322, 3423-3427.	1.0	6
83	Effect of Fe addition on microstructure and magnetocaloric effect in Gd5SixGe3.9â^'xFe0.1 alloys with varying Si/Ge ratio. Intermetallics, 2010, 18, 518-522.	1.8	7
84	Microstructure and coercivity variation in melt-spun Smâ€“Coâ€“Feâ€“Zr ribbons. Intermetallics, 2010, 18, 2244-2249.	1.8	11
85	Effect of annealing on the martensitic transformation of a CoNiAl ferromagnetic shape memory alloy. Journal of Alloys and Compounds, 2010, 491, 22-25.	2.8	20
86	A Large Inverse Magnetocaloric Effect in Ni_{49.0}Mn_{37.4}Sn_{13.6} Melt-Spun Ribbons at Room Temperature. Nanoscience and Nanotechnology Letters, 2009, 1, 151-155.	0.4	5
87	Structural, magnetic, and magnetotransport studies in bulk Ni55.2Mn18.1Ga26.7 alloy. Journal of Applied Physics, 2009, 105, 023903.	1.1	20
88	Coupled magnetostructural transformations in melt-spun Ni55Mn19.6Ga25.4 ribbon: An electron spin resonance study. Journal of Applied Physics, 2009, 105, 123904.	1.1	2
89	Direct evidence for Cu concentration variation and its correlation to coercivity in Sm(Co0.74Fe0.1Cu0.12Zr.04)7.4 ribbons. Scripta Materialia, 2009, 60, 764-767.	2.6	75
90	High saturation magnetization and microstructure in melt-spun Feâ€“P ribbons. Scripta Materialia, 2009, 61, 544-547.	2.6	12

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91	Anisotropic Ndâ€“Feâ€“B nanocrystalline magnets processed by spark plasma sintering and in situ hot pressing of hydrogenationâ€“decompositionâ€“desorptionâ€“recombination powder. Scripta Materialia, 2009, 61, 978-981.	2.6	40
92	Room temperature multiferroism and magnetoelectric coupling in system. Solid State Communications, 2009, 149, 367-370.	0.9	55
93	Composition, structure and magnetic properties of sputter deposited Niâ€“Mnâ€“Ga ferromagnetic shape memory thin films. Journal of Magnetism and Magnetic Materials, 2009, 321, 630-634.	1.0	23
94	Effect of Fe-substitution on microstructure, hysteresis behaviour and magnetocaloric effect in Gd5Si2Ge2 Alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 1300-1305.	1.0	14
95	Consolidation of hydrogenationâ€“disproportionationâ€“desorptionâ€“recombination processed Ndâ€“Feâ€“B magnets by spark plasma sintering. Journal of Magnetism and Magnetic Materials, 2009, 321, 3681-3686.	1.0	22
96	Magnetic, phase transformation and magnetocaloric studies in ferromagnetic Ni₅₅Mn₂₀Ga₂₅Heusler alloy. Journal of Physics: Conference Series, 2009, 144, 012066.	0.3	3
97	Effect of sintering temperature on the structure and magnetic properties of SmCo5/Fe nanocomposite magnets prepared by spark plasma sintering. Intermetallics, 2009, 17, 517-522.	1.8	18
98	Studies on ordering temperature and martensite stabilization in Ni55Mn20â^'xGa25+x alloys. Journal of Alloys and Compounds, 2009, 475, 276-280.	2.8	16
99	Textured resin-bonded Sm(Co,Fe,Cu)5 nanostructured magnets exploiting magnetic field and surfactant-assisted milling. Journal of Alloys and Compounds, 2009, 477, 322-327.	2.8	30
100	Microstructure, magnetic properties and magnetocaloric effect in melt-spun Niâ€“Mnâ€“Ga ribbons. Journal of Alloys and Compounds, 2009, 478, 59-62.	2.8	49
101	Study on morphology and magnetic behavior of SmCo5 and SmCo5/Fe nanoparticles synthesized by surfactant-assisted ball milling. Journal of Alloys and Compounds, 2009, 480, 645-649.	2.8	35
102	Dynamic inverse-magnetocaloric and martensite transition in Ni49Mn38Sn13nanocrystals in low magnetic fields. Philosophical Magazine Letters, 2009, 89, 399-407.	0.5	10
103	Phase coexistence, microstructure and magnetism in Niâ€“Mnâ€“Sb alloys. Journal Physics D: Applied Physics, 2009, 42, 065002.	1.3	14
104	MÃ¶ssbauer study of nano-crystalline Liâ€“Zn ferrites. Hyperfine Interactions, 2008, 183, 81-86.	0.2	8
105	Magnetic and structural transformation in off-stoichiometric NiMnGa alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 476, 195-200.	2.6	14
106	Magnetocaloric effect in high-energy ball-milled Gd5Si2Ge2 and Gd5Si2Ge2/Fe nanopowders. Journal of Magnetism and Magnetic Materials, 2008, 320, 1479-1484.	1.0	23
107	Thermal, structural and magnetic characterization of Niâ€“Mnâ€“Ga sheets fabricated by powder in tube roll bonding technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 199-204.	1.7	3
108	Microstructure and magnetocaloric effect in Gd5Si2(Ge1â^'xGax)2 alloys. Journal of Alloys and Compounds, 2008, 461, 14-20.	2.8	17

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109	Phase formation, microstructure and magnetic properties investigation in Cu and Fe substituted SmCo5 melt-spun ribbons. Journal of Alloys and Compounds, 2008, 463, 73-77.	2.8	20
110	Structural and MÃ¶ssbauer studies on mechanical milled SmCo5/Î±-Fe nanocomposite magnetic powders. Intermetallics, 2008, 16, 636-641.	1.8	11
111	Structural, Magnetic And Magneto-transport Studies In Melt-Spun Ni-Mn-Ga Ribbons. AIP Conference Proceedings, 2008, , .	0.3	0
112	Spark plasma sintered Sm₂Co₁₇â€“FeCo nanocomposite permanent magnets synthesized by high energy ball milling. Nanotechnology, 2008, 19, 335701.	1.3	21
113	Microstructure, magnetic and MÃ¶ssbauer studies on spark-plasma sintered Smâ€“Coâ€“Fe/Fe(Co) nanocomposite magnets. Journal Physics D: Applied Physics, 2008, 41, 065001.	1.3	15
114	Phase relationship, microstructure and magnetocaloric effect in Gd_{1â^'x}(Si_{0.5}Ge_{0.5})_xalloys. Journal Physics D: Applied Physics, 2008, 41, 055008.	1.3	9
115	MÃ¶ssbauer studies on structural ordering and magnetic properties of melt-spun Niâ€“Feâ€“Ga ribbons. Applied Physics Letters, 2008, 93, .	1.5	12
116	Amorphization, nanocrystallization and magnetic properties of mechanically milled Smâ€“Co magnetic powders. International Journal of Materials Research, 2008, 99, 773-778.	0.1	6
117	Synthesis and Characterisation of Nanomaterials. Defence Science Journal, 2008, 58, 504-516.	0.5	35
118	SmCo₅/Fe nanocomposite magnetic powders processed by magnetic field-assisted ball milling with and without surfactant. Journal Physics D: Applied Physics, 2007, 40, 5021-5026.	1.3	25
119	Phase transformation and magnetic properties in Niâ€“Mnâ€“Ga Heusler alloys. Journal of Alloys and Compounds, 2007, 432, 23-29.	2.8	38
120	Corrosion behaviour of FePt-based bulk magnets in artificial saliva solution. Journal of Alloys and Compounds, 2007, 436, 309-312.	2.8	11
121	Coercivity of Sm(Co0.9Cu0.1)4.8 melt-spun ribbons. Journal of Alloys and Compounds, 2007, 436, 358-363.	2.8	15
122	Magnetostructural transformation, microstructure, and magnetocaloric effect in Ni-Mn-Ga Heusler alloys. Journal of Applied Physics, 2007, 102, 013906.	1.1	31
123	Magneto-structural transformation studies in melt-spun Niâ€“Mnâ€“Ga ribbons. Scripta Materialia, 2007, 56, 405-408.	2.6	38
124	Structural and magnetic studies on spark plasma sintered SmCo5/Fe bulk nanocomposite magnets. Journal of Magnetism and Magnetic Materials, 2007, 312, 252-257.	1.0	59
125	Microstructures and coercivities of SmCox and Sm(Co,Cu)5 films prepared by magnetron sputtering. Journal of Magnetism and Magnetic Materials, 2007, 310, 1-7.	1.0	35
126	Magnetic Properties of Mechanically Milled Sm-Co Permanent Magnetic Materials with the TbCu₇ Structure. Materials Transactions, 2006, 47, 2264-2268.	0.4	7

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127	Identification of the cell boundary phase in the isothermally aged commercial Sm(Co0.725Fe0.1Cu0.12Zr0.04)7.4 sintered magnet. Scripta Materialia, 2006, 54, 1345-1349.	2.6	51
128	Coercivity enhancement in melt-spun SmCo5 by Sn addition. Scripta Materialia, 2006, 54, 2047-2051.	2.6	39
129	Investigation on structure-magnetic property correlation in melt-spun Sm(Co0.56Fe0.31Cu0.04Zr0.05B0.04)z ribbons. Journal of Magnetism and Magnetic Materials, 2005, 292, 150-158.	1.0	10
130	Nanoscale microstructure and magnetic properties of melt-spun Sm(Co0.725Fe0.1Cu0.12Zr0.04B0.015)7.4 ribbons. Journal of Magnetism and Magnetic Materials, 2005, 295, 7-20.	1.0	21
131	Mechanically milled and spark plasma sintered FePt-based bulk magnets with high coercivity. Scripta Materialia, 2005, 52, 761-765.	2.6	27
132	Platelet microstructure and magnetic properties in rapidly solidified Sm20.8Co63.4Fe7.9Cu2.4Zr1.6B4 ribbons. Scripta Materialia, 2005, 53, 367-371.	2.6	9
133	Fabrication of bulk nanocrystalline Feâ€“C alloy by spark plasma sintering of mechanically milled powder. Scripta Materialia, 2005, 53, 863-868.	2.6	97
134	Sm(Co,Cu)5â^•Fe exchange spring multilayer films with high energy product. Applied Physics Letters, 2005, 86, 122509.	1.5	142
135	Microstructure and magnetic properties of melt-spun Sm(Co0.58Fe0.31Cu0.04Zr0.05B0.02)z ribbons. Journal of Applied Physics, 2004, 95, 4962-4967.	1.1	23
136	Microstructural evolution and the magnetic properties of melt-spun Smâ€“Coâ€“Cuâ€“B and Smâ€“Coâ€“Feâ€“Cuâ€“B ribbons. Journal of Magnetism and Magnetic Materials, 2004, 284, 321-329.	1.0	12
137	Microstructure and its correlation to magnetic properties in 2:17 type (Sm,Gd)-Co-Fe-Cu-Zr alloys. Journal of Materials Science, 2004, 39, 3433-3442.	1.7	7
138	Metallurgical and magnetic characterisation of mechanically milled Sm(Co0.9â^'xFexCu0.1)4.8 alloys. Scripta Materialia, 2003, 48, 1555-1559.	2.6	4
139	Studies on structural transformation and magnetic properties in Sm2Co17 type alloys. Journal of Materials Science, 2001, 36, 4117-4123.	1.7	25
140	Isachne jayachandranii (Gramineae): A New Grass from Southern Western Ghats, India. Kew Bulletin, 2000, 55, 1005.	0.4	1
141	X-ray diffraction and microstructural studies in 2 : 17 type Smâ€“Co magnetic alloys containing Fe, Cu, and Zr. Journal of Materials Research, 1999, 14, 2430-2435.	1.2	3
142	Evolution of texture in melt-grown Y-Ba-Cu-O and Gd-Ba-Cu-O superconductors. Journal of Materials Science, 1997, 32, 2595-2598.	1.7	1
143	Microstructural investigations on melt grown RE-Ba-Cu-O (RE = Y, Gd and Nd) systems. Journal of Materials Science, 1996, 31, 2557-2561.	1.7	7
144	Structural and superconducting properties of melt-grown Yâ€“Baâ€“Cuâ€“O superconductors. Journal of Materials Research, 1996, 11, 2406-2415.	1.2	1

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145	Pole figure studies in melt grown Y-Ba-Cu-O samples. Journal of Materials Science Letters, 1995, 14, 1043-1045.	0.5	3
146	Microstructural and magnetisation study in melt-grown YBaCuO samples. Physica C: Superconductivity and Its Applications, 1995, 244, 106-114.	0.6	34
147	Magnetic shielding using high-temperature superconductors. Bulletin of Materials Science, 1994, 17, 87-93.	0.8	2
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149	Study of iron doped La2â^'xSrxCuO4. Nuclear Instruments & Methods in Physics Research B, 1993, 76, 325-327.	0.6	1
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