

Mar Garcia-Hernandez

List of Publications by Year in descending order

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307
papers

9,970
citations

57758

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46799

89
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314
all docs

314
docs citations

314
times ranked

15765
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct growth of graphene-MoS ₂ heterostructure: Tailored interface for advanced devices. Applied Surface Science, 2022, 581, 151858.	6.1	16
2	Role of the metal supply pathway on silicon patterning by oblique ion beam sputtering. Applied Surface Science, 2022, 580, 152267.	6.1	6
3	Impedance Spectroscopy of Encapsulated Single Graphene Layers. Nanomaterials, 2022, 12, 804.	4.1	0
4	Superconducting density of states and band structure at the surface of the candidate topological superconductor $Au_{2}Pb$. Physical Review Research, 2022, 4, .	3.6	6
5	Large magnetoresistance in the iron-free pnictide superconductor LaRu ₂ P ₂ . Journal of Physics Condensed Matter, 2021, 33, 145501.	1.8	1
6	Spin-state-dependent electrical conductivity in single-walled carbon nanotubes encapsulating spin-crossover molecules. Nature Communications, 2021, 12, 1578.	12.8	47
7	Ferroionic inversion of spin polarization in a spin-memristor. APL Materials, 2021, 9, .	5.1	7
8	Coherent coupling between vortex bound states and magnetic impurities in 2D layered superconductors. Nature Communications, 2021, 12, 4668.	12.8	5
9	LiCl Photodissociation on Graphene: A Photochemical Approach to Lithium Intercalation. ACS Applied Materials & Interfaces, 2021, 13, 42205-42211.	8.0	2
10	Integrating superconducting van der Waals materials on paper substrates. Materials Advances, 2021, 2, 3274-3281.	5.4	6
11	Tailored graphenic structures directly grown on titanium oxide boost the interfacial charge transfer. Applied Surface Science, 2020, 504, 144439.	6.1	4
12	Oxygen intercalation in PVD graphene grown on copper substrates: A decoupling approach. Applied Surface Science, 2020, 529, 147100.	6.1	10
13	FeCo Nanowire-Strontium Ferrite Powder Composites for Permanent Magnets with High-Energy Products. ACS Applied Nano Materials, 2020, 3, 9842-9851.	5.0	14
14	Direct Transformation of Crystalline MoO ₃ into Few-Layers MoS ₂ . Materials, 2020, 13, 2293.	2.9	2
15	Graphene Oxide Microfibers Promote Regenerative Responses after Chronic Implantation in the Cervical Injured Spinal Cord. ACS Biomaterials Science and Engineering, 2020, 6, 2401-2414.	5.2	21
16	Symmetry Breakdown in Franckeite: Spontaneous Strain, Rippling, and Interlayer Moiré. Nano Letters, 2020, 20, 1141-1147.	9.1	25
17	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
18	Nanostructure stabilization by low-temperature dopant pinning in multiferroic BiFeO ₃ -based thin films produced by aqueous chemical solution deposition. Journal of Materials Chemistry C, 2020, 8, 4234-4245.	5.5	12

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19	Magnetoimpedance spectroscopy of phase-separated $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ polycrystalline manganites. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11625-11636.	2.8	7
20	Covalent post-synthetic modification of switchable iron-based coordination polymers by volatile organic compounds: a versatile strategy for selective sensor development. <i>Dalton Transactions</i> , 2020, 49, 7315-7318.	3.3	18
21	Linear nonsaturating magnetoresistance in the Nowotny chimney ladder compound RuMn_2Pn . <i>Physical Review B</i> , 2020, 101, .		
22	Controlled Sign Reversal of Electroresistance in Oxide Tunnel Junctions by Electrochemical-Ferroelectric Coupling. <i>Physical Review Letters</i> , 2020, 125, 266802.	7.8	15
23	Observation of a gel of quantum vortices in a superconductor at very low magnetic fields. <i>Physical Review Research</i> , 2020, 2, .	3.6	15
24	Ultra-thin NaCl films as protective layers for graphene. <i>Nanoscale</i> , 2019, 11, 16767-16772.	5.6	6
25	Ferroelectric Control of Interface Spin Filtering in Multiferroic Tunnel Junctions. <i>Physical Review Letters</i> , 2019, 122, 037601.	7.8	28
26	Magnetic phase diagram, magnetotransport and inverse magnetocaloric effect in the noncollinear antiferromagnet Mn_5Si_3 . <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165451.	2.3	8
27	Thickness determination of MoS_2 , MoSe_2 , WS_2 and WSe_2 on transparent stamps used for deterministic transfer of 2D materials. <i>Nano Research</i> , 2019, 12, 1691-1695.	10.4	46
28	Mechanical and liquid phase exfoliation of cylindrite: a natural van der Waals superlattice with intrinsic magnetic interactions. <i>2D Materials</i> , 2019, 6, 035023.	4.4	38
29	Attractive interaction between superconducting vortices in tilted magnetic fields. <i>Communications Physics</i> , 2019, 2, .	5.3	9
30	MnBi thin films for high temperature permanent magnet applications. <i>AIP Advances</i> , 2019, 9, .	1.3	2
31	Reversible graphene decoupling by NaCl photo-dissociation. <i>2D Materials</i> , 2019, 6, 025021.	4.4	8
32	Versatile Graphene-Based Platform for Robust Nanobiohybrid Interfaces. <i>ACS Omega</i> , 2019, 4, 3287-3297.	3.5	9
33	Characterization of Main Phase in K_xp -Terphenyl and Its Largest Congener $\text{K}_x\text{poly(p-phenylene)}$: A Report of Their Magnetic and Electric Properties. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5264-5272.	3.1	5
34	Tuning the size, composition and structure of Au and $\text{Co}_{50}\text{Au}_{50}$ nanoparticles by high-power impulse magnetron sputtering in gas-phase synthesis. <i>Nanotechnology</i> , 2019, 30, 065606.	2.6	11
35	Tailored amorphous ITAZO transparent conductive electrodes. <i>Materials Science in Semiconductor Processing</i> , 2019, 90, 252-258.	4.0	9
36	Structural characterization of as-grown and quasi-free standing graphene layers on SiC. <i>Applied Surface Science</i> , 2019, 466, 51-58.	6.1	8

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37	Magnetic anisotropy of functionalized multi-walled carbon nanotube suspensions. Carbon, 2018, 131, 229-237.	10.3	15
38	Chemistry below graphene: Decoupling epitaxial graphene from metals by potential-controlled electrochemical oxidation. Carbon, 2018, 129, 837-846.	10.3	30
39	Microwave-assisted solution synthesis, microwave sintering and magnetic properties of cobalt ferrite. Journal of the European Ceramic Society, 2018, 38, 2360-2368.	5.7	63
40	Direct visualization of phase separation between superconducting and nematic domains in Co-doped CaFe_2As_2 close to a first-order phase transition. Physical Review B, 2018, 97, .	3.2	14
41	In situ generation of 3D graphene-like networks from cellulose nanofibres in sintered ceramics. Nanoscale, 2018, 10, 10488-10497.	5.6	13
42	Ultrathin films of L1-MnAl on GaAs (001): A hard magnetic MnAl layer onto a soft Mn-Ga-As-Al interface. APL Materials, 2018, 6, .	5.1	12
43	Toward Air Stability of Thin GaSe Devices: Avoiding Environmental and Laser-Induced Degradation by Encapsulation. Advanced Functional Materials, 2018, 28, 1805304.	14.9	49
44	Surface Ferromagnetism in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ Nanoparticles as a Consequence of Local Imbalance in $\text{Mn}^{3+}:\text{Mn}^{4+}$ Ratio. Chemistry of Materials, 2018, 30, 7138-7145.	6.7	18
45	Tailoring nanostructured surfaces with plasmonic/magnetic multifunctional response. Applied Physics Letters, 2018, 113, 101908.	3.3	2
46	Structural, magnetic and dielectric properties of the novel magnetic spinel compounds ZnCoSnO_4 and ZnCoTiO_4 . Journal of the European Ceramic Society, 2018, 38, 4986-4993.	5.7	5
47	Direct synthesis of graphene on silicon oxide by low temperature plasma enhanced chemical vapor deposition. Nanoscale, 2018, 10, 12779-12787.	5.6	26
48	Multifunctional ZnO/Fe-O and graphene oxide nanocomposites: Enhancement of optical and magnetic properties. Journal of the European Ceramic Society, 2017, 37, 3747-3758.	5.7	8
49	Resonant electron tunnelling assisted by charged domain walls in multiferroic tunnel junctions. Nature Nanotechnology, 2017, 12, 655-662.	31.5	92
50	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite $\text{Mn}_2\text{FeSbO}_6$. Angewandte Chemie, 2017, 129, 4509-4513.	2.0	6
51	Lithography-free electrical transport measurements on 2D materials by direct microprobing. Journal of Materials Chemistry C, 2017, 5, 11252-11258.	5.5	6
52	Highly selective covalent organic functionalization of epitaxial graphene. Nature Communications, 2017, 8, 15306.	12.8	45
53	High-quality PVD graphene growth by fullerene decomposition on Cu foils. Carbon, 2017, 119, 535-543.	10.3	29
54	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite $\text{Mn}_2\text{FeSbO}_6$. Angewandte Chemie - International Edition, 2017, 56, 4438-4442.	13.8	23

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55	Effects of thermal annealing on the structural and electronic properties of rare earth-implanted MoO ₃ nanoplates. CrystEngComm, 2017, 19, 2339-2348.	2.6	6
56	High coercive LTP-MnBi for high temperature applications: From isolated particles to film-like structures. Journal of Alloys and Compounds, 2017, 729, 1156-1164.	5.5	13
57	Modified magnetic anisotropy at LaCoO ₃ /La _{0.7} Sr _{0.3} MnO ₃ interfaces. APL Materials, 2017, 5, .	5.1	12
58	Sepiolite nanoplatform for the simultaneous assembly of magnetite and zinc oxide nanoparticles as photocatalyst for improving removal of organic pollutants. Journal of Hazardous Materials, 2017, 340, 281-290.	12.4	57
59	Low temperature metal free growth of graphene on insulating substrates by plasma assisted chemical vapor deposition. 2D Materials, 2017, 4, 015009.	4.4	38
60	Inter-grain effects on the magnetism of M-type strontium ferrite. Journal of Alloys and Compounds, 2017, 692, 280-287.	5.5	6
61	Optical contrast and refractive index of natural van der Waals heterostructure nanosheets of franckeite. Beilstein Journal of Nanotechnology, 2017, 8, 2357-2362.	2.8	27
62	Magnetically controlled space charge capacitance at La _{1-x} Sr _x MnO ₃ /Sr _x La _{1-x} TiO ₃ interfaces. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2243-2253.		
63	Investigation of the magnetic properties of proton irradiated type Ib HPHT diamond. Diamond and Related Materials, 2016, 64, 197-201.	3.9	3
64	Magnetic properties of point defects in proton irradiated diamond. Journal of Magnetism and Magnetic Materials, 2016, 413, 76-80.	2.3	9
65	Characterization of SrBiMn _{2-x} Ti _x O ₆ perovskites: Local ordering influence on the dielectric and magnetic response. Ceramics International, 2016, 42, 11889-11900.	4.8	3
66	Strong enhancement of superconductivity at high pressures within the charge-density-wave states of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2016, 93, .		
67	Materials science of graphene: a flagship perspective. 2D Materials, 2016, 3, 010401.	4.4	19
68	Formation of biomineral iron oxides compounds in a Fe hyperaccumulator plant: Imperata cylindrica (L.) P. Beauv.. Journal of Structural Biology, 2016, 193, 23-32.	2.8	25
69	Magnetic field dependence of the density of states in the multiband superconductor $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2015, 92, .		
70	Charge density wave in layered $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2015, 92, .		
71	Phase separation enhanced magneto-electric coupling in La _{0.7} Ca _{0.3} MnO ₃ /BaTiO ₃ ultra-thin films. Scientific Reports, 2015, 5, 17926.	3.3	26
72	Atomically Flat Ultrathin Cobalt Ferrite Islands. Advanced Materials, 2015, 27, 5955-5960.	21.0	26

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73	High pressure synthesis and properties of Bi _{0.5} Pb _{0.5} CrO ₃ : A novel Cr ⁴⁺ /Cr ³⁺ perovskite. Journal of Solid State Chemistry, 2015, 225, 321-329.	2.9	9
74	Hollow Iron Oxide Nanoparticles in Polymer Nanobeads as MRI Contrast Agents. Journal of Physical Chemistry C, 2015, 119, 6246-6253.	3.1	14
75	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi _{0.5} Na _{0.5}) _{0.945} Ba _{0.055} TiO ₃ and multiferroic BiFeO ₃ . Journal of Applied Physics, 2015, 117, 064105.	2.5	3
76	Three axis vector magnet set-up for cryogenic scanning probe microscopy. Review of Scientific Instruments, 2015, 86, 013706.	1.3	26
77	Magnetic and magnetoresistance in half-doped manganite La _{0.5} Ca _{0.5} MnO ₃ and La _{0.5} Ca _{0.4} Ag _{0.1} MnO ₃ . Journal of Alloys and Compounds, 2015, 644, 632-637.	5.5	33
78	Understanding Internal Mechanisms To Obtain Nanomanganites by Hydrothermal Synthesis: The Particular Case of 4H-SrMnO ₃ . Crystal Growth and Design, 2015, 15, 2192-2203.	3.0	5
79	Large area graphene and graphene oxide patterning and nanographene fabrication by one-step lithography. Carbon, 2015, 90, 110-121.	10.3	13
80	Proximity Driven Commensurate Pinning in YBa ₂ Cu ₃ O ₇ through All-Oxide Magnetic Nanostructures. Nano Letters, 2015, 15, 7526-7531.	9.1	5
81	Effect of argon plasma-treated polyethylene terephthalate on ZnO:Al properties for flexible thin film silicon solar cells applications. Solar Energy Materials and Solar Cells, 2015, 133, 170-179.	6.2	28
82	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. Nanoscale, 2015, 7, 4598-4810.	5.6	2,452
83	Mapping Chemical Disorder and Ferroelectric Distortions in the Double Perovskite Compound Sr _{2-x} Gd _x MnTiO ₆ by Atomic Resolution Electron Microscopy and Spectroscopy. Microscopy and Microanalysis, 2014, 20, 731-739.	0.4	2
84	Effective high-energy ball milling in air of Fe ₆₅ Co ₃₅ alloys. Journal of Applied Physics, 2014, 115, 17B505.	2.5	15
85	SPIN WAVES ALONG THE EDGE STATES. Spin, 2014, 04, 1440003.	1.3	1
86	Pattern-Wavelength Coarsening from Topological Dynamics in Silicon Nanofoams. Physical Review Letters, 2014, 112, 094103.	7.8	18
87	Growth and characterization of FeB nanoparticles for potential application as magnetic resonance imaging contrast agent. Materials Research Express, 2014, 1, 025008.	1.6	9
88	On the origin of remanence enhancement in exchange-uncoupled CoFe ₂ O ₄ -based composites. Applied Physics Letters, 2014, 105, .	3.3	30
89	Synthesis of 4H-SrMnO ₃ Nanoparticles from a Molecular Precursor and Their Topotactic Reduction Pathway Identified at Atomic Scale. Chemistry of Materials, 2014, 26, 2256-2265.	6.7	10
90	Influence of particle sizes on the electronic behavior of Zn _x Co _{1-x} Fe ₂ O ₄ spinels (x=0.2,0.3). Journal of Alloys and Compounds, 2014, 601, 130-139.	5.5	4

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91	Evidence of Oxygen Ferromagnetism in ZnO Based Materials. <i>Advanced Functional Materials</i> , 2014, 24, 2094-2100.	14.9	38
92	Bionanocomposites containing magnetic graphite as potential systems for drug delivery. <i>International Journal of Pharmaceutics</i> , 2014, 477, 553-563.	5.2	36
93	Signatures of a Two-Dimensional Ferromagnetic Electron Gas at the $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ Interface Arising From Orbital Reconstruction. <i>Advanced Materials</i> , 2014, 26, 7516-7520.	21.0	23
94	One-pot electrochemical synthesis of polydopamine coated magnetite nanoparticles. <i>RSC Advances</i> , 2014, 4, 48353-48361.	3.6	46
95	The ultimate step towards a tailored engineering of core@shell and core@shell@shell nanoparticles. <i>Nanoscale</i> , 2014, 6, 13483-13486.	5.6	101
96	Thin Film Multiferroic Nanocomposites by Ion Implantation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1909-1915.	8.0	12
97	Magnetoresistance and Ferromagnetism in Disordered $\text{La}_{0.5}\text{Mn}_{0.5}\text{O}_3$ Perovskite. <i>Chemistry of Materials</i> , 2013, 25, 2100-2108.	6.7	12
98	Influence of the Annealing Atmosphere on the Performance of ZnO Nanowire Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16349-16356.	3.1	74
99	Stoichiometric magnetite grown by infrared nanosecond pulsed laser deposition. <i>Applied Surface Science</i> , 2013, 282, 642-651.	6.1	17
100	Thermoset Magnetic Materials Based on Poly(ionic liquid)s Block Copolymers. <i>Macromolecules</i> , 2013, 46, 1860-1867.	4.8	48
101	Versatile electronic behavior of the $\text{Li}_x\text{Mn}_{3-x}\text{Fe}_y\text{O}_4$ spinels. <i>Journal of Alloys and Compounds</i> , 2013, 577, 269-277.	5.5	4
102	Solution Synthesis of BiFeO_3 Thin Films onto Silicon Substrates with Ferroelectric, Magnetic, and Optical Functionalities. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3061-3069.	3.8	26
103	Magnetic and electronic properties of bimagnetic materials comprising cobalt particles within hollow silica decorated with magnetite nanoparticles. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	9
104	Matrix and interaction effects on the magnetic properties of Co nanoparticles embedded in gold and vanadium. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 316-329.	2.8	27
105	Electron Doping by Charge Transfer at $\text{LaFeO}_3/\text{Sm}_2\text{CuO}_4$ Epitaxial Interfaces. <i>Advanced Materials</i> , 2013, 25, 1468-1473.	21.0	8
106	Influence of the Bi^{3+} -electron lone pair in the evolution of the crystal and magnetic structure of $\text{La}_{1-x}\text{Bi}_x\text{Mn}_2\text{O}_5$ oxides. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 216002.	1.8	3
107	Low temperature magnetic transitions of single crystal HoBi. <i>Solid State Communications</i> , 2013, 171, 59-63.	1.9	10
108	Colloidal Ordered Assemblies in a Polymer Shell—A Novel Type of Magnetic Nanobeads for Theranostic Applications. <i>Chemistry of Materials</i> , 2013, 25, 1055-1062.	6.7	56

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109	Thermal Diffusion at Nanoscale: From CoAu Alloy Nanoparticles to Co@Au Core/Shell Structures. Journal of Physical Chemistry C, 2013, 117, 3101-3108.	3.1	35
110	Pressure dependence of superconducting critical temperature and upper critical field of 2H-NbS_2 . Physical Review B, 2013, 87, .	3.2	63
111	Relationship between the Magnetic Properties and the Formation of a ZnS/ZnO Interface in S-Capped ZnO Nanoparticles and ZnS/ZnO Thin Films. Journal of Physical Chemistry C, 2013, 117, 12199-12209.	3.1	14
112	Magnetic properties of iron oxide nanoparticles prepared by seeded-growth route. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	23
113	Intrinsic Compositional Inhomogeneities in Bulk Ti-Doped BiFeO ₃ : Microstructure Development and Multiferroic Properties. Chemistry of Materials, 2013, 25, 1533-1541.	6.7	100
114	Room temperature in-plane $\sim 100^\circ$ magnetic easy axis for Fe ₃ O ₄ /SrTiO ₃ (001):Nb grown by infrared pulsed laser deposition. Journal of Applied Physics, 2013, 114, .	2.5	37
115	Magnetoelastic Coupling in $\text{Ca}_{0.7}\text{Mn}_{0.3}\text{O}$. Physical Review B, 2013, 88, .	3.2	7
116	Superconductivity and magnetism on flux-grown single crystals of NiBi ₃ . Physical Review B, 2013, 88, .	3.2	28
117	Structural and magnetic characterization of magnetite deposits prepared by infrared pulsed laser deposition. 2013.		0
118	Ferroelectric substrate effects on the magnetism, magnetotransport, and electroresistance of La _{0.7} Ca _{0.3} MnO ₃ . Physical Review Letters, 2012, 108, 207205.	3.2	25
119	Effect of Interface-Induced Exchange Fields on Cuprate-Manganite Spin Switches. Physical Review Letters, 2012, 108, 207205.	7.8	22
120	Supramolecular mechanisms in the synthesis of mesoporous magnetic nanospheres for hyperthermia. Journal of Materials Chemistry, 2012, 22, 64-72.	6.7	45
121	Enhancement of localization phenomena driven by covalency in the SrBiMn _{1.75} Ti _{0.25} O ₆ manganite. Journal of Alloys and Compounds, 2012, 522, 123-129.	5.5	5
122	On the discrimination between magnetite and maghemite by XANES measurements in fluorescence mode. Measurement Science and Technology, 2012, 23, 015602.	2.6	49
123	Magnetite (Fe ₃ O ₄): a new variant of relaxor multiferroic?. Journal of Physics Condensed Matter, 2012, 24, 086007.	1.8	38
124	XMCD Proof of Ferromagnetic Behavior in ZnO Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 6608-6614.	3.1	45
125	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La _{0.5} Ca _{0.5} MnO ₃ . Chemistry of Materials, 2012, 24, 2519-2526.	6.7	14
126	Water-Soluble Iron Oxide Nanocubes with High Values of Specific Absorption Rate for Cancer Cell Hyperthermia Treatment. ACS Nano, 2012, 6, 3080-3091.	14.6	638

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127	Non-symmetric superparamagnetic clusters in the relaxor manganites $\text{Sr}_{2-x}\text{Bi}_x\text{MnTiO}_6$ ($0 \leq x \leq 0.75$). Journal of Materials Chemistry, 2012, 22, 11826.	6.7	11
128	Magnetoimpedance spectroscopy of epitaxial multiferroic thin films. Physical Review B, 2012, 86, .	3.2	80
129	Novel Near-Room-Temperature Type I Multiferroic: $\text{Pb}(\text{Fe}_{0.5}\text{Ti}_{0.25}\text{W}_{0.25})\text{O}_3$ with Coexistence of Ferroelectricity and Weak Ferromagnetism. Chemistry of Materials, 2012, 24, 2664-2672.	6.7	16
130	Magnetic and superconducting phase diagrams in $\text{ErNi}_2\text{B}_2\text{C}$. Solid State Communications, 2012, 152, 1076-1079.	1.9	6
131	Electronic and Magnetic Reconstructions in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ A Case of Enhanced Interlayer Coupling Controlled by the Interface. Physical Review Letters, 2011, 106, 147205.	7.8	83
132	New $\text{Fe}^{3+}/\text{Cr}^{3+}$ Perovskites with Anomalous Transport Properties: The Solid Solution $\text{La}_x\text{Bi}_{1-x}\text{Fe}_{0.5}\text{Cr}_{0.5}\text{O}_3$ ($0.4 \leq x \leq 1$). Inorganic Chemistry, 2011, 50, 8340-8347.	4.0	15
133	Exotic magnetic anisotropy map in epitaxial $\text{La}_{0.3}\text{Sr}_{0.7}\text{MnO}_3$ $\text{Ca}_{0.3}\text{MnO}$	3.2	15
134	Room temperature electroresistance in $\text{Sr}_{2-x}\text{Gd}_x\text{MnTiO}_6$ perovskites ($0 \leq x \leq 1$). Journal of Alloys and Compounds, 2011, 509, 4917-4923.	5.5	12
135	Structural Characterization and Evolution of the Electronic Behavior of New $\text{Sr}_{2-x}\text{Gd}_x\text{MnTiO}_6$ ($0 \leq x \leq 1$) Perovskites. Journal of the American Ceramic Society, 2011, 94, 269-276.	3.8	4
136	Tuning magnetic critical behaviour in Ti-manganites by doping with vacancies in A-sites: $\text{Sr}_{1-x}\text{La}_x\text{MnTiO}_6$ ($0 \leq x \leq 0.15$). Materials Chemistry and Physics, 2011, 130, 280-284.	4.0	5
137	Correlating Magneto-Structural Properties to Hyperthermia Performance of Highly Monodisperse Iron Oxide Nanoparticles Prepared by a Seeded-Growth Route. Chemistry of Materials, 2011, 23, 4170-4180.	6.7	134
138	Morphological, structural, and magnetic properties of Co nanoparticles in a silicon oxide matrix. Journal of Nanoparticle Research, 2011, 13, 5321-5333.	1.9	23
139	Tailoring Interface Structure in Highly Strained YSZ/STO Heterostructures. Advanced Materials, 2011, 23, 5268-5274.	21.0	36
140	Magneto-resistance in $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_{2.5}$. Chemistry - A European Journal, 2011, 17, 2709-2715.	3.3	6
141	Multiferroic nanoparticulate thin film composites by Co implantation of ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ PbTiO_3 single crystal targets. Journal Physics D: Applied Physics, 2011, 44, 495306.	2.8	2
142	Interface and Temperature Dependent Magnetic Properties in Permalloy Thin Films and Tunnel Junction Structures. Journal of Nanoscience and Nanotechnology, 2011, 11, 7653-7664.	0.9	14
143	Anisotropic magnetic transport in $\text{La}_{0.3}\text{Sr}_{0.7}\text{MnO}_3$ surface electron gases generated by Ar^{+} sputtering	3.2	40
144	Confinement effects on the low temperature magnetic structure of MnP nanocrystals. Applied Physics Letters, 2011, 99, 182506.	3.3	7

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145	Symmetrical interfacial reconstruction and magnetism in La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ /La _{0.7} Ca _{0.3} MnO ₃ heterostructures. <i>Physical Review B</i> , 2011, 84, .	3.2	29
146	Magnetic Properties of Fe Oxide Nanoparticles Produced by Laser Pyrolysis for Biomedical Applications. , 2010, , .		4
147	Crystal and magnetic study of the disordered perovskites Ca(Mn _{0.5} Sb _{0.5})O ₃ and Ca(Fe _{0.5} Sb _{0.5})O ₃ . <i>Materials Research Bulletin</i> , 2010, 45, 1449-1454.	5.2	10
148	Ru ⁴⁺ Ru Metal ⁴⁺ Metal Bonding in the Chains of Edge ⁴⁺ Sharing Octahedra of NdMn ₂ ^{1.5} Ru _{0.5} O ₅ : A Neutron Powder Diffraction and Magnetic Study. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 781-789.	2.0	3
149	Charge Leakage at LaMnO ₃ /SrTiO ₃ Interfaces. <i>Advanced Materials</i> , 2010, 22, 627-632.	21.0	113
150	Synthesis, structural study and magnetic properties of TbFeMnO ₅ . <i>Solid State Communications</i> , 2010, 150, 1831-1836.	1.9	9
151	Microstructural Origin of Magnetic and Giant Dielectric Behavior of Sr ₂ MnTiO ₆ Perovskite Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2311-2319.	3.8	15
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153	Magnetic and transport properties in ordered arrays of permalloy antidots and thin films. <i>Journal of Applied Physics</i> , 2010, 107, 083918.	2.5	12
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