Mar Garcia-Hernandez

List of Publications by Year
in descending order

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307 papers	9,970 citations	57758 44 h-index	46799 89 g-index
314 all docs	314 docs citations	314 times ranked	15765 citing authors

#	Article	IF	Citations
1	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. Nanoscale, 2015, 7, 4598-4810.	5.6	2,452
2	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
3	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
4	Finding Universal Correlations between Cationic Disorder and Low Field Magnetoresistance in FeMo Double Perovskite Series. Physical Review Letters, 2001, 86, 2443-2446.	7.8	232
5	Origin of neutron magnetic scattering in antisite-disorderedSr2FeMoO6double perovskites. Physical Review B, 2002, 65, .	3.2	150
6	Architectural Control of Seeded-Grown Magneticâ"Semicondutor Iron Oxideâ"TiO₂ Nanorod Heterostructures: The Role of Seeds in Topology Selection. Journal of the American Chemical Society, 2010, 132, 2437-2464.	13.7	139
7	Conduction channels and magnetoresistance in polycrystalline manganites. Physical Review B, 1999, 60, 7328-7334.	3.2	136
8	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
9	Low-temperature magnetoresistance in polycrystalline manganites: connectivity versus grain size. Applied Physics Letters, 1999, 74, 3884-3886.	3.3	132
10	â€œCharge Leakageâ€•at LaMnO₃/SrTiO₃ Interfaces. Advanced Materials, 2010, 22, 627-632.	21.0	113
11	The ultimate step towards a tailored engineering of core@shell and core@shell@shell nanoparticles. Nanoscale, 2014, 6, 13483-13486.	5.6	101
12	Intrinsic Compositional Inhomogeneities in Bulk Ti-Doped BiFeO₃: Microstructure Development and Multiferroic Properties. Chemistry of Materials, 2013, 25, 1533-1541.	6.7	100
13	Strong enhancement of superconductivity at high pressures within the charge-density-wave states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â"</m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â"</m Physical Review B, 2016, 93, .	3.2	96
14	Resonant electron tunnelling assisted by charged domain walls in multiferroic tunnel junctions. Nature Nanotechnology, 2017, 12, 655-662.	31.5	92
15	Electronic and Magnetic Reconstructions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mn>0.7</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mm A Case of Enhanced Interlayer Coupling Controlled by the Interface. Physical Review Letters, 2011, 106, 147205.	7.8	83
16	Residual stress profiling in the ferrite and cementite phases of cold-drawn steel rods by synchrotron X-ray and neutron diffraction. Acta Materialia, 2004, 52, 5303-5313.	7.9	81
17	Evidence of intrinsic magnetism in capped ZnO nanoparticles. Physical Review B, 2010, 82, .	3.2	81
18	Magnetoimpedance spectroscopy of epitaxial multiferroic thin films. Physical Review B, 2012, 86, .	3.2	80

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19	Coulomb blockade versus intergrain resistance in colossal magnetoresistive manganite granular films. Physical Review B, 2000, 61, 9549-9552.	3.2	78
20	Influence of the Annealing Atmosphere on the Performance of ZnO Nanowire Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2013, 117, 16349-16356.	3.1	74
21	Magnetic properties of graphite irradiated with MeV ions. Physical Review B, 2010, 81, .	3.2	63
22	Pressure dependence of superconducting critical temperature and upper critical field of 2<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>H</mml:mi></mml:math>-NbS<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>. Physical Review B, 2013, 87, .	3.2	63
23	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
24	Enhanced Pressure Dependence of Magnetic Exchange in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>A</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:ms stretchy="false">[</mml:mo><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">]</mml:mo><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml	7.8	62
25	Exchange-Coupled Bimagnetic Cobalt/Iron Oxide Branched Nanocrystal Heterostructures. Nano Letters, 2009, 9, 366-376.	9.1	62
26	Collective excitations in liquid methanol: A comparison of molecular, latticeâ€dynamics, and neutronâ€scattering results. Journal of Chemical Physics, 1992, 96, 7696-7709.	3.0	57
27	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
28	Colloidal Ordered Assemblies in a Polymer Shellâ€”A Novel Type of Magnetic Nanobeads for Theranostic Applications. Chemistry of Materials, 2013, 25, 1055-1062.	6.7	56
29	Record saturation magnetization, Curie temperature, and magnetoresistance in Sr2FeMoO6 double perovskite synthesized by wet-chemistry techniques. Applied Physics Letters, 2004, 85, 266-268.	3.3	55
30	Residual stresses in cold drawn pearlitic rods. Scripta Materialia, 2005, 52, 1223-1228.	5.2	54
31	Residual stresses in cold drawn ferritic rods. Scripta Materialia, 2005, 52, 305-309.	5.2	53
32	Magnetic field dependence of the density of states in the multiband superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î²</mml:mi><mml:mo>â^'</mml:mo> Physical Review B, 2015, 92, .	3.2	53
33	Switching from ferro- to antiferromagnetism in A2CrSbO6 (A = Ca, Sr) double perovskites: a neutron diffraction study. Journal of Materials Chemistry, 2007, 17, 3555.	6.7	49
34	Urea-Melt Assisted Synthesis of Ni/NiO Nanoparticles Exhibiting Structural Disorder and Exchange Bias. Chemistry of Materials, 2010, 22, 6529-6541.	6.7	49
35	On the discrimination between magnetite and maghemite by XANES measurements in fluorescence mode. Measurement Science and Technology, 2012, 23, 015602.	2.6	49
36	Toward Air Stability of Thin GaSe Devices: Avoiding Environmental and Laserâ€Induced Degradation by Encapsulation. Advanced Functional Materials, 2018, 28, 1805304.	14.9	49

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37	Colloidal semiconductor/magnetic heterostructures based on iron-oxide-functionalized brookite TiO2 nanorods. Physical Chemistry Chemical Physics, 2009, 11, 3680.	2.8	48
38	Thermoset Magnetic Materials Based on Poly(ionic liquid)s Block Copolymers. Macromolecules, 2013, 46, 1860-1867.	4.8	48
39	Origin of the inverse spin-switch behavior in manganite/cuprate/manganite trilayers. Physical Review B, 2008, 78, .	3.2	47
40	Spin-state-dependent electrical conductivity in single-walled carbon nanotubes encapsulating spin-crossover molecules. Nature Communications, 2021, 12, 1578.	12.8	47
41	Low-frequency excitations in a molecular glass: Single-particle dynamics. Physical Review B, 1992, 46, 6173-6186.	3.2	46
42	Microscopic nature of the electron doping effects in the double perovskite Sr2â^'xLaxFeMoO6(0 â‰¤ x â‰¤ 1) series. Journal of Materials Chemistry, 2003, 13, 1771-1777.	6.7	46
43	One-pot electrochemical synthesis of polydopamine coated magnetite nanoparticles. RSC Advances, 2014, 4, 48353-48361.	3.6	46
44	Thickness determination of MoS2, MoSe2, WS2 and WSe2 on transparent stamps used for deterministic transfer of 2D materials. Nano Research, 2019, 12, 1691-1695.	10.4	46
45	Structural, magnetic, and transport properties of high-quality epitaxial Sr2FeMoO6 thin films prepared by pulsed laser deposition. Journal of Applied Physics, 2004, 96, 2736-2742.	2.5	45
46	Supramolecular mechanisms in the synthesis of mesoporous magnetic nanospheres for hyperthermia. Journal of Materials Chemistry, 2012, 22, 64-72.	6.7	45
47	XMCD Proof of Ferromagnetic Behavior in ZnO Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 6608-6614.	3.1	45
48	Highly selective covalent organic functionalization of epitaxial graphene. Nature Communications, 2017, 8, 15306.	12.8	45
49	Synthesis, structure and magnetic properties of the new double perovskite Ca2CrSbO6. Solid State Communications, 2006, 139, 19-22.	1.9	42
50	Anisotropic magnetotransport in SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>surface electron gases generated by Ar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mo>+</mml:mo></mml:mro	3.2	40
51	Collective excitations in liquid deuterium: Neutron-scattering and correlated-density-matrix results. Physical Review B, 1993, 47, 15097-15112.	3.2	38
52	Magnetite (Fe₃O₄): a new variant of relaxor multiferroic?. Journal of Physics Condensed Matter, 2012, 24, 086007.	1.8	38
53	Evidence of Oxygen Ferromagnetism in ZnO Based Materials. Advanced Functional Materials, 2014, 24, 2094-2100.	14.9	38
54	Low temperature metal free growth of graphene on insulating substrates by plasma assisted chemical vapor deposition. 2D Materials, 2017, 4, 015009.	4.4	38

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55	Mechanical and liquid phase exfoliation of cylindrite: a natural van der Waals superlattice with intrinsic magnetic interactions. 2D Materials, 2019, 6, 035023.	4.4	38
56	Room temperature in-plane âŸ¨100âŸ© magnetic easy axis for Fe3O4/SrTiO3(001):Nb grown by infrared pulsed laser deposition. Journal of Applied Physics, 2013, 114, .	2.5	37
57	Spin-dependent magnetoresistance of ferromagnet/superconductor/ferromagnetLa0.7Ca0.3MnO3â^•YBa2Cu3O7â^'Î´â^•La0.7Ca0.3MnO3trilayers. Physical Review B, 2007, 75, .	3.2	36
58	Tailoring Interface Structure in Highly Strained YSZ/STO Heterostructures. Advanced Materials, 2011, 23, 5268-5274.	21.0	36
59	Bionanocomposites containing magnetic graphite as potential systems for drug delivery. International Journal of Pharmaceutics, 2014, 477, 553-563.	5.2	36
60	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
61	Crystal and Magnetic Structure of Sr₂MReO₆ (M = Ni, Co, Zn) Double Perovskites: A Neutron Diffraction Study. European Journal of Inorganic Chemistry, 2008, 2008, 588-595.	2.0	33
62	Magnetic and magnetoresistance in half-doped manganite La0.5Ca0.5MnO3 and La0.5Ca0.4Ag0.1MnO3. Journal of Alloys and Compounds, 2015, 644, 632-637.	5.5	33
63	On the origin of remanence enhancement in exchange-uncoupled CoFe2O4-based composites. Applied Physics Letters, 2014, 105, .	3.3	30
64	Chemistry below graphene: Decoupling epitaxial graphene from metals by potential-controlled electrochemical oxidation. Carbon, 2018, 129, 837-846.	10.3	30
65	Symmetrical interfacial reconstruction and magnetism in La0.7Ca0.3MnO3/YBa2Cu3O7/La0.7Ca0.3MnO3heterostructures. Physical Review B, 2011, 84, .	3.2	29
66	High-quality PVD graphene growth by fullerene decomposition on Cu foils. Carbon, 2017, 119, 535-543.	10.3	29
67	H-Bond in methanol: a molecular dynamics study. Journal of Molecular Structure, 1991, 250, 147-170.	3.6	28
68	Low-frequency excitations in glassy selenium: A comparison of neutron-scattering and molecular-dynamics results. Physical Review B, 1993, 48, 149-160.	3.2	28
69	Influence of the microstructure on the macroscopic elastic and optical properties of dried sonogels: A Brillouin spectroscopic study. Journal of Applied Physics, 1997, 81, 7739-7745.	2.5	28
70	Superconductivity and magnetism on flux-grown single crystals of NiBi<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, 2013, 88, .	3.2	28
71	Effect of argon plasma-treated polyethylene terepthalate 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
72	Ferroelectric Control of Interface Spin Filtering in Multiferroic Tunnel Junctions. Physical Review Letters, 2019, 122, 037601.	7.8	28

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73	Charge Transfer and Disorder in Double Perovskites. Chemistry of Materials, 2004, 16, 3565-3572.	6.7	27
74	Measurement and modelling of residual stresses in straightened commercial eutectoid steel rods. Acta Materialia, 2005, 53, 4415-4425.	7.9	27
75	Neutron diffraction study and magnetotransport properties of stoichiometric CaMoO3 perovskite prepared by a soft-chemistry route. Journal of Solid State Chemistry, 2006, 179, 1636-1641.	2.9	27
76	Curie temperature enhancement in partially disordered Sr2FeReO6 double perovskites. Materials Research Bulletin, 2009, 44, 1261-1264.	5.2	27
77	Matrix and interaction effects on the magnetic properties of Co nanoparticles embedded in gold and vanadium. Physical Chemistry Chemical Physics, 2013, 15, 316-329.	2.8	27
78	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
79	Solution Synthesis of <scp><scp>BiFeO</scp></scp>₃ Thin Films onto Silicon Substrates with Ferroelectric, Magnetic, and Optical Functionalities. Journal of the American Ceramic Society, 2013, 96, 3061-3069.	3.8	26
80	Phase separation enhanced magneto-electric coupling in La0.7Ca0.3MnO3/BaTiO3 ultra-thin films. Scientific Reports, 2015, 5, 17926.	3.3	26
81	Atomically Flat Ultrathin Cobalt Ferrite Islands. Advanced Materials, 2015, 27, 5955-5960.	21.0	26
82	Three axis vector magnet set-up for cryogenic scanning probe microscopy. Review of Scientific Instruments, 2015, 86, 013706.	1.3	26
83	Direct synthesis of graphene on silicon oxide by low temperature plasma enhanced chemical vapor deposition. Nanoscale, 2018, 10, 12779-12787.	5.6	26
84	Collective excitations in liquid methanol studied by coherent inelastic neutron scattering. Journal of Physics Condensed Matter, 1990, 2, 6659-6672.	1.8	25
85	Ferroelectric substrate effects on the magnetism, magnetotransport, and electroresistance of La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:m	3.2	25
86	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
87	Symmetry Breakdown in Franckeite: Spontaneous Strain, Rippling, and Interlayer MoirÃ©. Nano Letters, 2020, 20, 1141-1147.	9.1	25
88	Phonon dispersion in polycrystalline ice: Implications for the collective behavior of liquid water. Physical Review E, 1993, 47, 3516-3523.	2.1	24
89	Effect of spin fluctuations on the thermodynamic and transport properties of the itinerant ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CoS</mml:mtext></mml:mrow><mml:mn>2</mml:mn></	3.2	24
90	Hydrothermal Synthesis: A Suitable Route to Elaborate Nanomanganites. Chemistry of Materials, 2009, 21, 1898-1905.	6.7	24

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91	Microscopic dynamics of liquid gallium. Physical Review E, 1994, 49, 3133-3142.	2.1	23
92	Morphological, structural, and magnetic properties of Co nanoparticles in a silicon oxide matrix. Journal of Nanoparticle Research, 2011, 13, 5321-5333.	1.9	23
93	Magnetic properties of iron oxide nanoparticles prepared by seeded-growth route. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	23
94	Signatures of a Twoâ€Đimensional Ferromagnetic Electron Gas at the La_{0.7}Sr_{0.3}MnO₃/SrTiO₃ Interface Arising From Orbital Reconstruction. Advanced Materials, 2014, 26, 7516-7520.	21.0	23
95	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn₂FeSbO₆. Angewandte Chemie - International Edition, 2017, 56, 4438-4442.	13.8	23
96	Coherent Inelastic Neutron Scattering Response from Liquid Methanol. Europhysics Letters, 1990, 12, 129-134.	2.0	22
97	Effect of Interface-Induced Exchange Fields on Cuprate-Manganite Spin Switches. Physical Review Letters, 2012, 108, 207205.	7.8	22
98	Low field magnetoresistance at the metalâ€“insulator transition in epitaxial manganite thin films. Applied Physics Letters, 2002, 81, 319-321.	3.3	21
99	Ferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SnO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> multilayers: Clustering of defects induced by doping. Physical Review B, 2010, 81, .	3.2	21
100	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
101	The equilibrium structure of highly polar molecular liquids. Molecular Physics, 1989, 66, 397-419.	1.7	19
102	High-pressure synthesis and study of the crystal and magnetic structure of the distorted SeNiO3and SeMnO3perovskites. Dalton Transactions, 2006, , 4936-4943.	3.3	19
103	Colossal electroresistance without colossal magnetoresistance in La0.9Sr0.1MnO3. Applied Physics Letters, 2007, 90, 222502.	3.3	19
104	Crystal Structure and Magnetism of the 6H Hexagonal Double Perovskites Ba2FeSbO6 and Ba2CoSbO6â€“Î´: A Neutron Diffraction and MÃ¶ssbauer Spectroscopy Study. European Journal of Inorganic Chemistry, 2008, 2008, 2286-2294.	2.0	19
105	Effects of interparticle interactions in magnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mtext>Si</mml:mtext></mml:mrow></mml:msub></mml:mrow></mml:math> systems. Physical Review B, 2010, 82, .	3.2	19
106	Materials science of graphene: a flagship perspective. 2D Materials, 2016, 3, 010401.	4.4	19
107	Thermal transport in glassy selenium: The role of low-frequency librations. Physical Review B, 1994, 49, 8689-8695.	3.2	18
108	Magnetic study of an amorphous conducting polyaniline. Applied Physics Letters, 2003, 82, 1733-1735.	3.3	18

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109	Metal-organic vapor phase epitaxy of crystallographically oriented MnP magnetic nanoclusters embedded in GaP(001). Journal of Applied Physics, 2008, 104, 083501.	2.5	18
110	Pattern-Wavelength Coarsening from Topological Dynamics in Silicon Nanofoams. Physical Review Letters, 2014, 112, 094103.	7.8	18
111	Surface Ferromagnetism in Pr_{0.5}Ca_{0.5}MnO₃ Nanoparticles as a Consequence of Local Imbalance in Mn³⁺:Mn⁴⁺ Ratio. Chemistry of Materials, 2018, 30, 7138-7145.	6.7	18
112	Covalent post-synthetic modification of switchable iron-based coordination polymers by volatile organic compounds: a versatile strategy for selective sensor development. Dalton Transactions, 2020, 49, 7315-7318.	3.3	18
113	Collective excitations in liquid deuterium studied by inelastic neutron scattering. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 158, 253-257.	2.1	17
114	VO: A strongly correlated metal close to a Mott-Hubbard transition. Physical Review B, 2007, 76, .	3.2	17
115	Stoichiometric magnetite grown by infrared nanosecond pulsed laser deposition. Applied Surface Science, 2013, 282, 642-651.	6.1	17
116	Collective Low-Frequency Excitations in a Molecular Glass. Europhysics Letters, 1991, 15, 509-514.	2.0	16
117	Magnetic Properties of Doped IIâ€“VI Semiconductor Nanocrystals. Journal of Nanoscience and Nanotechnology, 2005, 5, 1503-1508.	0.9	16
118	Magnetic memory based on La0.7Ca0.3MnO3/YBa2Cu3O7/La0.7Ca0.3MnO3 ferromagnet/superconductor hybrid structures. Applied Physics Letters, 2010, 97, 032501.	3.3	16
119	Novel Near-Room-Temperature Type I Multiferroic: Pb(Fe_{0.5}Ti_{0.25}W_{0.25})O₃ with Coexistence of Ferroelectricity and Weak Ferromagnetism. Chemistry of Materials, 2012, 24, 2664-2672.	6.7	16
120	Direct growth of graphene-MoS2 heterostructure: Tailored interface for advanced devices. Applied Surface Science, 2022, 581, 151858.	6.1	16
121	Observation of high frequency excitations in a molecular glass. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 150, 201-206.	2.1	15
122	Collective dynamics of liquid carbon tetrachloride studied by inelastic neutron scattering and computer simulation. Journal of Chemical Physics, 1992, 96, 8477-8484.	3.0	15
123	Structural and magnetotransport features in new electron-doped Sr2â^'xCexFeMoO6double perovskites. Journal of Materials Chemistry, 2006, 16, 865-873.	6.7	15
124	Microstructural Origin of Magnetic and Giant Dielectric Behavior of Sr₂MnTiO_{6â^Î´} Perovskite Nanocrystals. Journal of the American Ceramic Society, 2010, 93, 2311-2319.	3.8	15
125	Directionally controlled superconductivity in ferromagnet/superconductor/ferromagnet trilayers with biaxial easy axes. Physical Review B, 2010, 81, .	3.2	15
126	New Fe3+/ Cr3+Perovskites with Anomalous Transport Properties: The Solid Solution LaxBi1â€“xFe0.5Cr0.5O3(0.4 â‰¤xâ‰¤ 1). Inorganic Chemistry, 2011, 50, 8340-8347.	4.0	15

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127	Magnetic anisotropy map in epitaxial La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	3.2	15
128	Effective high-energy ball milling in air of Fe65Co35 alloys. Journal of Applied Physics, 2014, 115, 17B505.	2.5	15
129	Charge density wave in layered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mn>1</mml:m Physical Review B, 2015, 92, .	3.2	15
130	Magnetic anisotropy of functionalized multi-walled carbon nanotube suspensions. Carbon, 2018, 131, 229-237.	10.3	15
131	Controlled Sign Reversal of Electroresistance in Oxide Tunnel Junctions by Electrochemical-Ferroelectric Coupling. Physical Review Letters, 2020, 125, 266802.	7.8	15
132	Observation of a gel of quantum vortices in a superconductor at very low magnetic fields. Physical Review Research, 2020, 2, .	3.6	15
133	Effective Hamiltonian for degenerate vibrational states in symmetric top molecules. Journal of Molecular Spectroscopy, 1987, 124, 272-284.	1.2	14
134	Hole doping effects in Sr2FeMo1â^'xWxO6(0 â‰¤xâ‰¤ 1) double perovskites: a neutron diffraction study. Journal of Physics Condensed Matter, 2005, 17, 3673-3688.	1.8	14
135	RF magnetron sputtering ferroelectric PbZr0.52Ti0.48O3 thin films with (001) preferred orientation on colossal magneto-resistive layers. Materials Letters, 2006, 60, 1714-1718.	2.6	14
136	Orientational Ordering and Low-Temperature Libration in the Rotorâ^'Stator Cocrystals of Fullerenes and Cubane. Journal of Physical Chemistry B, 2009, 113, 2042-2049.	2.6	14
137	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
138	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La_{0.5}Ca_{0.5}MnO_{3â^'Î´}. Chemistry of Materials, 2012, 24, 2519-2526.	6.7	14
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