

Mar Garcia-Hernandez

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299 papers	8,306 citations	41 h-index	81 g-index
314 ext. papers	9,221 ext. citations	4.8 avg, IF	5.41 L-index

#	Paper	IF	Citations
299	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015 , 7, 4598-810	7.7	2015
298	Water-soluble iron oxide nanocubes with high values of specific absorption rate for cancer cell hyperthermia treatment. <i>ACS Nano</i> , 2012 , 6, 3080-91	16.7	545
297	Finding universal correlations between cationic disorder and low field magnetoresistance in FeMo double perovskite series. <i>Physical Review Letters</i> , 2001 , 86, 2443-6	7.4	214
296	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
295	Origin of neutron magnetic scattering in antite-site-disordered Sr ₂ FeMoO ₆ double perovskites. <i>Physical Review B</i> , 2002 , 65,	3.3	138
294	Architectural control of seeded-grown magnetic-semiconductor iron oxide-TiO ₂ nanorod heterostructures: the role of seeds in topology selection. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2437-64	16.4	133
293	Conduction channels and magnetoresistance in polycrystalline manganites. <i>Physical Review B</i> , 1999 , 60, 7328-7334	3.3	126
292	Low-temperature magnetoresistance in polycrystalline manganites: connectivity versus grain size. <i>Applied Physics Letters</i> , 1999 , 74, 3884-3886	3.4	125
291	Correlating Magneto-Structural Properties to Hyperthermia Performance of Highly Monodisperse Iron Oxide Nanoparticles Prepared by a Seeded-Growth Route. <i>Chemistry of Materials</i> , 2011 , 23, 4170-4180	9.6	116
290	"Charge leakage" at LaMnO ₃ /SrTiO ₃ interfaces. <i>Advanced Materials</i> , 2010 , 22, 627-32	24	102
289	Intrinsic Compositional Inhomogeneities in Bulk Ti-Doped BiFeO ₃ : Microstructure Development and Multiferroic Properties. <i>Chemistry of Materials</i> , 2013 , 25, 1533-1541	9.6	83
288	Evidence of intrinsic magnetism in capped ZnO nanoparticles. <i>Physical Review B</i> , 2010 , 82,	3.3	78
287	The ultimate step towards a tailored engineering of core@shell and core@shell@shell nanoparticles. <i>Nanoscale</i> , 2014 , 6, 13483-6	7.7	77
286	Residual stress profiling in the ferrite and cementite phases of cold-drawn steel rods by synchrotron X-ray and neutron diffraction. <i>Acta Materialia</i> , 2004 , 52, 5303-5313	8.4	75
285	Coulomb blockade versus intergrain resistance in colossal magnetoresistive manganite granular films. <i>Physical Review B</i> , 2000 , 61, 9549-9552	3.3	75
284	Magnetoimpedance spectroscopy of epitaxial multiferroic thin films. <i>Physical Review B</i> , 2012 , 86,	3.3	74
283	Electronic and magnetic reconstructions in La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ heterostructures: a case of enhanced interlayer coupling controlled by the interface. <i>Physical Review Letters</i> , 2011 , 106, 147205	7.4	73

282	Strong enhancement of superconductivity at high pressures within the charge-density-wave states of 2H-TaS_2 and 2H-TaSe_2 . <i>Physical Review B</i> , 2016 , 93,	3.3	66
281	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	3.8	66
280	Resonant electron tunnelling assisted by charged domain walls in multiferroic tunnel junctions. <i>Nature Nanotechnology</i> , 2017 , 12, 655-662	28.7	65
279	Magnetic properties of graphite irradiated with MeV ions. <i>Physical Review B</i> , 2010 , 81,	3.3	59
278	Exchange-coupled bimagnetic cobalt/iron oxide branched nanocrystal heterostructures. <i>Nano Letters</i> , 2009 , 9, 366-76	11.5	59
277	Collective excitations in liquid methanol: A comparison of molecular, lattice-dynamics, and neutron-scattering results. <i>Journal of Chemical Physics</i> , 1992 , 96, 7696-7709	3.9	56
276	Record saturation magnetization, Curie temperature, and magnetoresistance in $\text{Sr}_2\text{FeMoO}_6$ double perovskite synthesized by wet-chemistry techniques. <i>Applied Physics Letters</i> , 2004 , 85, 266-268	3.4	52
275	Microwave-assisted solution synthesis, microwave sintering and magnetic properties of cobalt ferrite. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2360-2368	6	51
274	Enhanced pressure dependence of magnetic exchange in $\text{A}_2\text{+[V}_2\text{]O}_4$ spinels approaching the itinerant electron limit. <i>Physical Review Letters</i> , 2007 , 99, 187201	7.4	51
273	Residual stresses in cold drawn pearlitic rods. <i>Scripta Materialia</i> , 2005 , 52, 1223-1228	5.6	50
272	Pressure dependence of superconducting critical temperature and upper critical field of 2H-NbS_2 . <i>Physical Review B</i> , 2013 , 87,	3.3	48
271	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	9.6	47
270	Urea-Melt Assisted Synthesis of Ni/NiO Nanoparticles Exhibiting Structural Disorder and Exchange Bias. <i>Chemistry of Materials</i> , 2010 , 22, 6529-6541	9.6	47
269	Colloidal semiconductor/magnetic heterostructures based on iron-oxide-functionalized brookite TiO_2 nanorods. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3680-91	3.6	46
268	Origin of the inverse spin-switch behavior in manganite/cuprate/manganite trilayers. <i>Physical Review B</i> , 2008 , 78,	3.3	45
267	Switching from ferro- to antiferromagnetism in A_2CrSbO_6 ($\text{A} = \text{Ca}, \text{Sr}$) double perovskites: a neutron diffraction study. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3555		45
266	Thermoset Magnetic Materials Based on Poly(ionic liquid)s Block Copolymers. <i>Macromolecules</i> , 2013 , 46, 1860-1867	5.5	44
265	Low-frequency excitations in a molecular glass: Single-particle dynamics. <i>Physical Review B</i> , 1992 , 46, 6173-6186	3.3	44

264	Residual stresses in cold drawn ferritic rods. <i>Scripta Materialia</i> , 2005 , 52, 305-309	5.6	43
263	On the discrimination between magnetite and maghemite by XANES measurements in fluorescence mode. <i>Measurement Science and Technology</i> , 2012 , 23, 015602	2	42
262	XMCD Proof of Ferromagnetic Behavior in ZnO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6608-6614	3.8	42
261	Microscopic nature of the electron doping effects in the double perovskite $\text{Sr}_{2-x}\text{La}_x\text{FeMoO}_6(0 \leq x \leq 1)$ series. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1771-1777		42
260	Magnetic field dependence of the density of states in the multiband superconductor Bi_2Pd . <i>Physical Review B</i> , 2015 , 92,	3.3	41
259	Structural, magnetic, and transport properties of high-quality epitaxial $\text{Sr}_2\text{FeMoO}_6$ thin films prepared by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2004 , 96, 2736-2742	2.5	41
258	Sepiolite nanoplatform for the simultaneous assembly of magnetite and zinc oxide nanoparticles as photocatalyst for improving removal of organic pollutants. <i>Journal of Hazardous Materials</i> , 2017 , 340, 281-290	12.8	39
257	Synthesis, structure and magnetic properties of the new double perovskite $\text{Ca}_2\text{CrSbO}_6$. <i>Solid State Communications</i> , 2006 , 139, 19-22	1.6	38
256	Supramolecular mechanisms in the synthesis of mesoporous magnetic nanospheres for hyperthermia. <i>Journal of Materials Chemistry</i> , 2012 , 22, 64-72		37
255	Collective excitations in liquid deuterium: Neutron-scattering and correlated-density-matrix results. <i>Physical Review B</i> , 1993 , 47, 15097-15112	3.3	37
254	Anisotropic magnetotransport in SrTiO_3 surface electron gases generated by Ar^+ irradiation. <i>Physical Review B</i> , 2011 , 83,	3.3	36
253	One-pot electrochemical synthesis of polydopamine coated magnetite nanoparticles. <i>RSC Advances</i> , 2014 , 4, 48353-48361	3.7	35
252	Spin-dependent magnetoresistance of ferromagnet/superconductor/ferromagnet $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{Ba}_2\text{Cu}_3\text{O}_7/\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ trilayers. <i>Physical Review B</i> , 2007 , 75,	3.3	35
251	Highly selective covalent organic functionalization of epitaxial graphene. <i>Nature Communications</i> , 2017 , 8, 15306	17.4	33
250	Magnetite (Fe_3O_4): a new variant of relaxor multiferroic?. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 086007	1.8	33
249	Room temperature in-plane $\langle 100 \rangle$ magnetic easy axis for $\text{Fe}_3\text{O}_4/\text{SrTiO}_3(001):\text{Nb}$ grown by infrared pulsed laser deposition. <i>Journal of Applied Physics</i> , 2013 , 114, 223902	2.5	33
248	Evidence of Oxygen Ferromagnetism in ZnO Based Materials. <i>Advanced Functional Materials</i> , 2014 , 24, 2094-2100	15.6	32
247	Thermal Diffusion at Nanoscale: From CoAu Alloy Nanoparticles to [email'protected] Core/Shell Structures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3101-3108	3.8	32

246	Toward Air Stability of Thin GaSe Devices: Avoiding Environmental and Laser-Induced Degradation by Encapsulation. <i>Advanced Functional Materials</i> , 2018 , 28, 1805304	15.6	31
245	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	30
244	Low Temperature Metal Free Growth of Graphene on Insulating Substrates by Plasma Assisted Chemical Vapor Deposition. <i>2D Materials</i> , 2017 , 4,	5.9	30
243	Bionanocomposites containing magnetic graphite as potential systems for drug delivery. <i>International Journal of Pharmaceutics</i> , 2014 , 477, 553-63	6.5	29
242	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,	3.3	27
241	Influence of the microstructure on the macroscopic elastic and optical properties of dried sonogels: A Brillouin spectroscopic study. <i>Journal of Applied Physics</i> , 1997 , 81, 7739-7745	2.5	27
240	H-Bond in methanol: a molecular dynamics study. <i>Journal of Molecular Structure</i> , 1991 , 250, 147-170	3.4	27
239	Low-frequency excitations in glassy selenium: A comparison of neutron-scattering and molecular-dynamics results. <i>Physical Review B</i> , 1993 , 48, 149-160	3.3	26
238	High-quality PVD graphene growth by fullerene decomposition on Cu foils. <i>Carbon</i> , 2017 , 119, 535-543	10.4	25
237	Chemistry below graphene: decoupling epitaxial graphene from metals by potential-controlled electrochemical oxidation. <i>Carbon</i> , 2018 , 129, 837-846	10.4	25
236	On the origin of remanence enhancement in exchange-uncoupled CoFe ₂ O ₄ -based composites. <i>Applied Physics Letters</i> , 2014 , 105, 202405	3.4	25
235	Crystal and Magnetic Structure of Sr ₂ MReO ₆ (M = Ni, Co, Zn) Double Perovskites: A Neutron Diffraction Study. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 588-595	2.3	25
234	Charge Transfer and Disorder in Double Perovskites. <i>Chemistry of Materials</i> , 2004 , 16, 3565-3572	9.6	25
233	Measurement and modelling of residual stresses in straightened commercial eutectoid steel rods. <i>Acta Materialia</i> , 2005 , 53, 4415-4425	8.4	25
232	Effect of argon plasma-treated polyethylene terephthalate on ZnO:Al properties for flexible thin film silicon solar cells applications. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 133, 170-179	6.4	24
231	Phonon dispersion in polycrystalline ice: Implications for the collective behavior of liquid water. <i>Physical Review E</i> , 1993 , 47, 3516-3523	2.4	24
230	Three axis vector magnet set-up for cryogenic scanning probe microscopy. <i>Review of Scientific Instruments</i> , 2015 , 86, 013706	1.7	23
229	Matrix and interaction effects on the magnetic properties of Co nanoparticles embedded in gold and vanadium. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 316-29	3.6	23

228	Ferroelectric substrate effects on the magnetism, magnetotransport, and electroresistance of La _{0.7} Ca _{0.3} MnO ₃ thin films on BaTiO ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	23
227	Hydrothermal Synthesis: A Suitable Route to Elaborate Nanomanganites. <i>Chemistry of Materials</i> , 2009 , 21, 1898-1905	9.6	23
226	Neutron diffraction study and magnetotransport properties of stoichiometric CaMoO ₃ perovskite prepared by a soft-chemistry route. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1636-1641	3.3	23
225	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 . <i>Journal of Alloys and Compounds</i> , 2015 , 644, 632-637	5.7	22
224	Formation of biomineral iron oxides compounds in a Fe hyperaccumulator plant: <i>Imperata cylindrica</i> (L.) P. Beauv. <i>Journal of Structural Biology</i> , 2016 , 193, 23-32	3.4	22
223	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	22
222	Curie temperature enhancement in partially disordered Sr ₂ FeReO ₆ double perovskites. <i>Materials Research Bulletin</i> , 2009 , 44, 1261-1264	5.1	22
221	Microscopic dynamics of liquid gallium. <i>Physical Review E</i> , 1994 , 49, 3133-3142	2.4	22
220	Optical contrast and refractive index of natural van der Waals heterostructure nanosheets of frankeite. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 2357-2362	3	21
219	Morphological, structural, and magnetic properties of Co nanoparticles in a silicon oxide matrix. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5321-5333	2.3	21
218	Ferromagnetism in SnO ₂ -based multilayers: Clustering of defects induced by doping. <i>Physical Review B</i> , 2010 , 81,	3.3	21
217	Effect of interface-induced exchange fields on cuprate-manganite spin switches. <i>Physical Review Letters</i> , 2012 , 108, 207205	7.4	21
216	Collective excitations in liquid methanol studied by coherent inelastic neutron scattering. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 6659-6672	1.8	21
215	Coherent Inelastic Neutron Scattering Response from Liquid Methanol. <i>Europhysics Letters</i> , 1990 , 12, 129-134	1.6	21
214	Atomically flat ultrathin cobalt ferrite islands. <i>Advanced Materials</i> , 2015 , 27, 5955-60	24	20
213	Low field magnetoresistance at the metal-insulator transition in epitaxial manganite thin films. <i>Applied Physics Letters</i> , 2002 , 81, 319-321	3.4	20
212	Signatures of a two-dimensional ferromagnetic electron gas at the La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ interface arising from orbital reconstruction. <i>Advanced Materials</i> , 2014 , 26, 7516-20	24	19
211	Colossal electroresistance without colossal magnetoresistance in La _{0.9} Sr _{0.1} MnO ₃ . <i>Applied Physics Letters</i> , 2007 , 90, 222502	3.4	19

210	Phase separation enhanced magneto-electric coupling in La _{0.7} Ca _{0.3} MnO ₃ /BaTiO ₃ ultra-thin films. <i>Scientific Reports</i> , 2015 , 5, 17926	4.9	18
209	Magnetic properties of iron oxide nanoparticles prepared by seeded-growth route. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	18
208	Effects of interparticle interactions in magnetic Fe/Si ₃ N ₄ granular systems. <i>Physical Review B</i> , 2010 , 82,	3.3	18
207	Magnetic study of an amorphous conducting polyaniline. <i>Applied Physics Letters</i> , 2003 , 82, 1733-1735	3.4	18
206	Thermal transport in glassy selenium: The role of low-frequency librations. <i>Physical Review B</i> , 1994 , 49, 8689-8695	3.3	18
205	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn FeSbO. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4438-4442	16.4	17
204	Direct synthesis of graphene on silicon oxide by low temperature plasma enhanced chemical vapor deposition. <i>Nanoscale</i> , 2018 , 10, 12779-12787	7.7	17
203	Metal-organic vapor phase epitaxy of crystallographically oriented MnP magnetic nanoclusters embedded in GaP(001). <i>Journal of Applied Physics</i> , 2008 , 104, 083501	2.5	17
202	Crystal Structure and Magnetism of the 6H Hexagonal Double Perovskites Ba ₂ FeSbO ₆ and Ba ₂ CoSbO ₆ A Neutron Diffraction and Mössbauer Spectroscopy Study. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2286-2294	2.3	17
201	High-pressure synthesis and study of the crystal and magnetic structure of the distorted SeNiO ₃ and SeMnO ₃ perovskites. <i>Dalton Transactions</i> , 2006 , 4936-43	4.3	17
200	Collective excitations in liquid deuterium studied by inelastic neutron scattering. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991 , 158, 253-257	2.3	17
199	Stoichiometric magnetite grown by infrared nanosecond pulsed laser deposition. <i>Applied Surface Science</i> , 2013 , 282, 642-651	6.7	16
198	Novel Near-Room-Temperature Type I Multiferroic: Pb(Fe _{0.5} Ti _{0.25} W _{0.25})O ₃ with Coexistence of Ferroelectricity and Weak Ferromagnetism. <i>Chemistry of Materials</i> , 2012 , 24, 2664-2672	9.6	16
197	Magnetic memory based on La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ /La _{0.7} Ca _{0.3} MnO ₃ ferromagnet/superconductor hybrid structures. <i>Applied Physics Letters</i> , 2010 , 97, 032501	3.4	16
196	Effect of spin fluctuations on the thermodynamic and transport properties of the itinerant ferromagnet CoS ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	16
195	Magnetic properties of doped II-VI semiconductor nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 1503-8	1.3	16
194	Collective Low-Frequency Excitations in a Molecular Glass. <i>Europhysics Letters</i> , 1991 , 15, 509-514	1.6	16
193	The equilibrium structure of highly polar molecular liquids. <i>Molecular Physics</i> , 1989 , 66, 397-419	1.7	16

192	Mechanical and liquid phase exfoliation of cylindrite: a natural van der Waals superlattice with intrinsic magnetic interactions. <i>2D Materials</i> , 2019 , 6, 035023	5.9	15
191	Pattern-wavelength coarsening from topological dynamics in silicon nanofoams. <i>Physical Review Letters</i> , 2014 , 112, 094103	7.4	15
190	Superconductivity and magnetism on flux-grown single crystals of NiBi ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	15
189	VO: A strongly correlated metal close to a Mott-Hubbard transition. <i>Physical Review B</i> , 2007 , 76,	3.3	15
188	Structural and magnetotransport features in new electron-doped Sr _{2-x} CexFeMoO ₆ double perovskites. <i>Journal of Materials Chemistry</i> , 2006 , 16, 865-873		15
187	Observation of high frequency excitations in a molecular glass. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990 , 150, 201-206	2.3	15
186	Ferroelectric Control of Interface Spin Filtering in Multiferroic Tunnel Junctions. <i>Physical Review Letters</i> , 2019 , 122, 037601	7.4	14
185	Materials science of graphene: a flagship perspective. <i>2D Materials</i> , 2016 , 3, 010401	5.9	14
184	Effective high-energy ball milling in air of Fe ₆₅ Co ₃₅ alloys. <i>Journal of Applied Physics</i> , 2014 , 115, 17B5052.5		14
183	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La _{0.5} Ca _{0.5} MnO ₃ . <i>Chemistry of Materials</i> , 2012 , 24, 2519-2526	9.6	14
182	Exotic magnetic anisotropy map in epitaxial La _{0.7} Ca _{0.3} MnO ₃ films on BaTiO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	14
181	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	14
180	Directionally controlled superconductivity in ferromagnet/superconductor/ferromagnet trilayers with biaxial easy axes. <i>Physical Review B</i> , 2010 , 81,	3.3	14
179	Collective dynamics of liquid carbon tetrachloride studied by inelastic neutron scattering and computer simulation. <i>Journal of Chemical Physics</i> , 1992 , 96, 8477-8484	3.9	14
178	Spin-state-dependent electrical conductivity in single-walled carbon nanotubes encapsulating spin-crossover molecules. <i>Nature Communications</i> , 2021 , 12, 1578	17.4	14
177	Symmetry Breakdown in Franckeite: Spontaneous Strain, Rippling, and Interlayer Moiré. <i>Nano Letters</i> , 2020 , 20, 1141-1147	11.5	13
176	Direct visualization of phase separation between superconducting and nematic domains in Co-doped CaFe ₂ As ₂ close to a first-order phase transition. <i>Physical Review B</i> , 2018 , 97,	3.3	13
175	Hollow Iron Oxide Nanoparticles in Polymer Nanobeads as MRI Contrast Agents. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6246-6253	3.8	13

174	Relationship between the Magnetic Properties and the Formation of a ZnS/ZnO Interface in S-Capped ZnO Nanoparticles and ZnS/ZnO Thin Films. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12199-12209	3.8	13
173	Strain induced phase separation in La _{0.67} Ca _{0.33} MnO ₃ ultra thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 472-475	3.9	13
172	Disorder-induced phase segregation in La _{2/3} Ca _{1/3} MnO ₃ manganites. <i>Physical Review B</i> , 2003 , 68,	3.3	13
171	Hole doping effects in Sr ₂ FeMo _{1-x} W _x O ₆ (0 ≤ x ≤ 1) double perovskites: a neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 3673-3688	1.8	13
170	Single-molecule kinetic energy of condensed normal deuterium. <i>Physical Review B</i> , 1996 , 54, 970-977	3.3	13
169	Excess heat capacity in a molecular glass: an assessment based on calorimetric and neutron scattering data. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 9581-9594	1.8	13
168	Effective Hamiltonian for degenerate vibrational states in symmetric top molecules. <i>Journal of Molecular Spectroscopy</i> , 1987 , 124, 272-284	1.3	13
167	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
166	New Fe ³⁺ /Cr ³⁺ perovskites with anomalous transport properties: the solid solution La(x)Bi(1-x)Fe(0.5)Cr(0.5)O ₃ (0.4 ≤ x ≤ 1). <i>Inorganic Chemistry</i> , 2011 , 50, 8340-7	5.1	12
165	Orientational ordering and low-temperature libration in the rotor-stator cocrystals of fullerenes and cubane. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2042-9	3.4	12
164	RF magnetron sputtering ferroelectric PbZr _{0.52} Ti _{0.48} O ₃ thin films with (001) preferred orientation on colossal magneto-resistive layers. <i>Materials Letters</i> , 2006 , 60, 1714-1718	3.3	12
163	Co-doped Sr ₂ FeMoO ₆ double perovskites: A plausible scenario for phase segregation. <i>Physical Review B</i> , 2006 , 73,	3.3	12
162	Surface Ferromagnetism in Pr _{0.5} Ca _{0.5} MnO ₃ Nanoparticles as a Consequence of Local Imbalance in Mn ³⁺ :Mn ⁴⁺ Ratio. <i>Chemistry of Materials</i> , 2018 , 30, 7138-7145	9.6	12
161	High coercive LTP-MnBi for high temperature applications: From isolated particles to film-like structures. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 1156-1164	5.7	11
160	Large area graphene and graphene oxide patterning and nanographene fabrication by one-step lithography. <i>Carbon</i> , 2015 , 90, 110-121	10.4	11
159	Graphene Oxide Microfibers Promote Regenerative Responses after Chronic Implantation in the Cervical Injured Spinal Cord. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2401-2414	5.5	11
158	In situ generation of 3D graphene-like networks from cellulose nanofibres in sintered ceramics. <i>Nanoscale</i> , 2018 , 10, 10488-10497	7.7	11
157	Thin film multiferroic nanocomposites by ion implantation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1909-15	9.5	11

- 156 Room temperature electroresistance in $\text{Sr}_{2-x}\text{Gd}_x\text{MnTiO}_6$ perovskites (001). *Journal of Alloys and Compounds*, **2011**, 509, 4917-4923 5.7 11
- 155 Thickness Dependent Magnetic Anisotropy of Ultrathin LCMO Epitaxial Thin Films. *IEEE Transactions on Magnetics*, **2008**, 44, 2926-2929 2 11
- 154 Transport and magnetic properties of conducting polyaniline doped with BX_3 ($\text{X}=\text{F}$, Cl , and Br). *Physical Review B*, **2006**, 73, 3.3 11
- 153 Phase diagram on $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 520-521 1.8 11
- 152 Neutron-scattering evidence for the coupling of shear and reorientational motions in the viscoelastic liquid quinoline. *Physical Review E*, **1993**, 48, 2766-2775 2.4 11
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