Mar Garcia-Hernandez

List of Publications by Year in Descending Order

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	Role of the metal supply pathway on silicon patterning by oblique ion beam sputtering. *Applied Surface Science*, **2022**, 580, 152267	6.7	0
298	Direct Growth of Graphene-MoS2 heterostructure: Tailored interface for Advanced Devices. *Applied Surface Science*, **2021**, 581, 151858	6.7	0
297	Spin-state-dependent electrical conductivity in single-walled carbon nanotubes encapsulating spin-crossover molecules. *Nature Communications*, **2021**, 12, 1578	17.4	14
296	Ferroionic inversion of spin polarization in a spin-memristor. *APL Materials*, **2021**, 9, 031110	5.7	3
295	Coherent coupling between vortex bound states and magnetic impurities in 2D layered superconductors. *Nature Communications*, **2021**, 12, 4668	17.4	1
294	LiCl Photodissociation on Graphene: A Photochemical Approach to Lithium Intercalation. *ACS Applied Materials & Interfaces*, **2021**, 13, 42205-42211	9.5	0
293	Integrating superconducting van der Waals materials on paper substrates. *Materials Advances*, **2021**, 2, 3274-3281	3.3	2
292	Graphene Oxide Microfibers Promote Regenerative Responses after Chronic Implantation in the Cervical Injured Spinal Cord. *ACS Biomaterials Science and Engineering*, **2020**, 6, 2401-2414	5.5	11
291	Symmetry Breakdown in Franckeite: Spontaneous Strain, Rippling, and Interlayer Moir *Nano Letters*, **2020**, 20, 1141-1147	11.5	13
290	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
289	Nanostructure stabilization by low-temperature dopant pinning in multiferroic BiFeO3-based thin films produced by aqueous chemical solution deposition. *Journal of Materials Chemistry C*, **2020**, 8, 4234-4245	7.1	7
288	Linear nonsaturating magnetoresistance in the Nowotny chimney ladder compound Ru2Sn3. *Physical Review B*, **2020**, 101,	3.3	2
287	Controlled Sign Reversal of Electroresistance in Oxide Tunnel Junctions by Electrochemical-Ferroelectric Coupling. *Physical Review Letters*, **2020**, 125, 266802	7.4	9
286	Observation of a gel of quantum vortices in a superconductor at very low magnetic fields. *Physical Review Research*, **2020**, 2,	3.9	9
285	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	4.3	9
284	Tailored graphenic structures directly grown on titanium oxide boost the interfacial charge transfer. *Applied Surface Science*, **2020**, 504, 144439	6.7	3
283	Oxygen intercalation in PVD graphene grown on copper substrates: A decoupling approach. *Applied Surface Science*, **2020**, 529, 147100	6.7	6

282	FeCo Nanowire Strontium Ferrite Powder Composites for Permanent Magnets with High-Energy Products. *ACS Applied Nano Materials*, **2020**, 3, 9842-9851	5.6	6
281	Magnetoimpedance spectroscopy of phase-separated LaCaMnO polycrystalline manganites. *Physical Chemistry Chemical Physics*, **2020**, 22, 11625-11636	3.6	4
280	Ferroelectric Control of Interface Spin Filtering in Multiferroic Tunnel Junctions. *Physical Review Letters*, **2019**, 122, 037601	7.4	14
279	Magnetic phase diagram, magnetotransport and inverse magnetocaloric effect in the noncollinear antiferromagnet Mn5Si3. *Journal of Magnetism and Magnetic Materials*, **2019**, 489, 165451	2.8	3
278	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	30
277	Mechanical and liquid phase exfoliation of cylindrite: a natural van der Waals superlattice with intrinsic magnetic interactions. *2D Materials*, **2019**, 6, 035023	5.9	15
276	Attractive interaction between superconducting vortices in tilted magnetic fields. *Communications Physics*, **2019**, 2,	5.4	5
275	MnBi thin films for high temperature permanent magnet applications. *AIP Advances*, **2019**, 9, 035325	1.5	
274	Reversible Graphene decoupling by NaCl photo-dissociation. *2D Materials*, **2019**, 6,	5.9	6
273	Versatile Graphene-Based Platform for Robust Nanobiohybrid Interfaces. *ACS Omega*, **2019**, 4, 3287-3297	3.9	4
272	Ultra-thin NaCl films as protective layers for graphene. *Nanoscale*, **2019**, 11, 16767-16772	7.7	3
271	Characterization of Main Phase in Kxp-Terphenyl and Its Largest Congener Kxpoly(p-phenylene): A Report of Their Magnetic and Electric Properties. *Journal of Physical Chemistry C*, **2019**, 123, 5264-5272	3.8	3
270	Tuning the size, composition and structure of Au and CoAu nanoparticles by high-power impulse magnetron sputtering in gas-phase synthesis. *Nanotechnology*, **2019**, 30, 065606	3.4	10
269	Tailored amorphous ITAZO transparent conductive electrodes. *Materials Science in Semiconductor Processing*, **2019**, 90, 252-258	4.3	6
268	Structural characterization of as-grown and quasi-free standing graphene layers on SiC. *Applied Surface Science*, **2019**, 466, 51-58	6.7	5
267	Magnetic anisotropy of functionalized multi-walled carbon nanotube suspensions. *Carbon*, **2018**, 131, 229-237	10.4	8
266	Chemistry below graphene: decoupling epitaxial graphene from metals by potential-controlled electrochemical oxidation. *Carbon*, **2018**, 129, 837-846	10.4	25
265	Microwave-assisted solution synthesis, microwave sintering and magnetic properties of cobalt ferrite. *Journal of the European Ceramic Society*, **2018**, 38, 2360-2368	6	51

264	Direct visualization of phase separation between superconducting and nematic domains in Co-doped CaFe2As2 close to a first-order phase transition. *Physical Review B*, **2018**, 97,	3.3	13
263	In situ generation of 3D graphene-like networks from cellulose nanofibres in sintered ceramics. *Nanoscale*, **2018**, 10, 10488-10497	7.7	11
262	Structural, magnetic and dielectric properties of the novel magnetic spinel compounds ZnCoSnO4 and ZnCoTiO4. *Journal of the European Ceramic Society*, **2018**, 38, 4986-4993	6	3
261	Direct synthesis of graphene on silicon oxide by low temperature plasma enhanced chemical vapor deposition. *Nanoscale*, **2018**, 10, 12779-12787	7.7	17
260	Ultrathin films of L10-MnAl on GaAs (001): A hard magnetic MnAl layer onto a soft Mn-Ga-As-Al interface. *APL Materials*, **2018**, 6, 101109	5.7	7
259	Toward Air Stability of Thin GaSe Devices: Avoiding Environmental and Laser-Induced Degradation by Encapsulation. *Advanced Functional Materials*, **2018**, 28, 1805304	15.6	31
258	Surface Ferromagnetism in Pr0.5Ca0.5MnO3 Nanoparticles as a Consequence of Local Imbalance in Mn3+:Mn4+ Ratio. *Chemistry of Materials*, **2018**, 30, 7138-7145	9.6	12
257	Tailoring nanostructured surfaces with plasmonic/magnetic multifunctional response. *Applied Physics Letters*, **2018**, 113, 101908	3.4	2
256	Multifunctional ZnO/Fe-O and graphene oxide nanocomposites: Enhancement of optical and magnetic properties. *Journal of the European Ceramic Society*, **2017**, 37, 3747-3758	6	6
255	Resonant electron tunnelling assisted by charged domain walls in multiferroic tunnel junctions. *Nature Nanotechnology*, **2017**, 12, 655-662	28.7	65
254	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn2FeSbO6. *Angewandte Chemie*, **2017**, 129, 4509-4513	3.6	3
253	Lithography-free electrical transport measurements on 2D materials by direct microprobing. *Journal of Materials Chemistry C*, **2017**, 5, 11252-11258	7.1	6
252	Highly selective covalent organic functionalization of epitaxial graphene. *Nature Communications*, **2017**, 8, 15306	17.4	33
251	High-quality PVD graphene growth by fullerene decomposition on Cu foils. *Carbon*, **2017**, 119, 535-543	10.4	25
250	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn FeSbO. *Angewandte Chemie - International Edition*, **2017**, 56, 4438-4442	16.4	17
249	Effects of thermal annealing on the structural and electronic properties of rare earth-implanted MoO3 nanoplates. *CrystEngComm*, **2017**, 19, 2339-2348	3.3	3
248	High coercive LTP-MnBi for high temperature applications: From isolated particles to film-like structures. *Journal of Alloys and Compounds*, **2017**, 729, 1156-1164	5.7	11
247	Optical contrast and refractive index of natural van der Waals heterostructure nanosheets of franckeite. *Beilstein Journal of Nanotechnology*, **2017**, 8, 2357-2362	3	21

246	Modified magnetic anisotropy at LaCoO3/La0.7Sr0.3MnO3 interfaces. *APL Materials*, **2017**, 5, 096104	5.7	8
245	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	12.8	39
244	Low Temperature Metal Free Growth of Graphene on Insulating Substrates by Plasma Assisted Chemical Vapor Deposition. *2D Materials*, **2017**, 4,	5.9	30
243	Inter-grain effects on the magnetism of M-type strontium ferrite. *Journal of Alloys and Compounds*, **2017**, 692, 280-287	5.7	4
242	Strong enhancement of superconductivity at high pressures within the charge-density-wave states of 2H□aS2 and 2H□aSe2. *Physical Review B*, **2016**, 93,	3.3	66
241	Materials science of graphene: a flagship perspective. *2D Materials*, **2016**, 3, 010401	5.9	14
240	Formation of biomineral iron oxides compounds in a Fe hyperaccumulator plant: Imperata cylindrica (L.) P. Beauv. *Journal of Structural Biology*, **2016**, 193, 23-32	3.4	22
239	Magnetically controlled space charge capacitance at La1□SrxMnO3/SrxLa1□TiO3 interfaces. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 2243-2253	1.6	1
238	Investigation of the magnetic properties of proton irradiated type Ib HPHT diamond. *Diamond and Related Materials*, **2016**, 64, 197-201	3.5	0
237	Magnetic properties of point defects in proton irradiated diamond. *Journal of Magnetism and Magnetic Materials*, **2016**, 413, 76-80	2.8	6
236	Characterization of SrBiMn2□TixO6 perovskites: Local ordering influence on the dielectric and magnetic response. *Ceramics International*, **2016**, 42, 11889-11900	5.1	3
235	Enhanced ferroelectric and ferromagnetic properties in lead-free multilayer composite films based on ferroelectric (Bi0.5Na0.5)0.945Ba0.055TiO3 and multiferroic BiFeO3. *Journal of Applied Physics*, **2015**, 117, 064105	2.5	3
234	Three axis vector magnet set-up for cryogenic scanning probe microscopy. *Review of Scientific Instruments*, **2015**, 86, 013706	1.7	23
233	Magnetic and magnetoresistance in half-doped manganite La0.5Ca0.5MnO3 and La0.5Ca0.4Ag0.1MnO3. *Journal of Alloys and Compounds*, **2015**, 644, 632-637	5.7	22
232	Understanding Internal Mechanisms To Obtain Nanomanganites by Hydrothermal Synthesis: The Particular Case of 4H-SrMnO3. *Crystal Growth and Design*, **2015**, 15, 2192-2203	3.5	4
231	Large area graphene and graphene oxide patterning and nanographene fabrication by one-step lithography. *Carbon*, **2015**, 90, 110-121	10.4	11
230	Proximity Driven Commensurate Pinning in YBa2Cu3O7 through All-Oxide Magnetic Nanostructures. *Nano Letters*, **2015**, 15, 7526-31	11.5	4
229	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	6.4	24

228	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. *Nanoscale*, **2015**, 7, 4598-810	7.7	2015
227	Magnetic field dependence of the density of states in the multiband superconductor Bi2Pd. *Physical Review B*, **2015**, 92,	3.3	41
226	Charge density wave in layered La1−xCexSb2. *Physical Review B*, **2015**, 92,	3.3	10
225	Phase separation enhanced magneto-electric coupling in La0.7Ca0.3MnO3/BaTiO3 ultra-thin films. *Scientific Reports*, **2015**, 5, 17926	4.9	18
224	Atomically flat ultrathin cobalt ferrite islands. *Advanced Materials*, **2015**, 27, 5955-60	24	20
223	High pressure synthesis and properties of Bi0.5Pb0.5CrO3: A novel Cr4+/Cr3+ perovskite. *Journal of Solid State Chemistry*, **2015**, 225, 321-329	3.3	6
222	Hollow Iron Oxide Nanoparticles in Polymer Nanobeads as MRI Contrast Agents. *Journal of Physical Chemistry C*, **2015**, 119, 6246-6253	3.8	13
221	Influence of particle sizes on the electronic behavior of ZnxCo1−xFe2O4 spinels (x=0.2,0.3). *Journal of Alloys and Compounds*, **2014**, 601, 130-139	5.7	4
220	Evidence of Oxygen Ferromagnetism in ZnO Based Materials. *Advanced Functional Materials*, **2014**, 24, 2094-2100	15.6	32
219	Bionanocomposites containing magnetic graphite as potential systems for drug delivery. *International Journal of Pharmaceutics*, **2014**, 477, 553-63	6.5	29
218	Signatures of a two-dimensional ferromagnetic electron gas at the La0.7Sr0.3MnO3/SrTiO3 interface arising from orbital reconstruction. *Advanced Materials*, **2014**, 26, 7516-20	24	19
217	One-pot electrochemical synthesis of polydopamine coated magnetite nanoparticles. *RSC Advances* , **2014**, 4, 48353-48361	3.7	35
216	The ultimate step towards a tailored engineering of core@shell and core@shell@shell nanoparticles. *Nanoscale*, **2014**, 6, 13483-6	7.7	77
215	Thin film multiferroic nanocomposites by ion implantation. *ACS Applied Materials & Interfaces*, **2014**, 6, 1909-15	9.5	11
214	Mapping chemical disorder and ferroelectric distortions in the double perovskite compound Sr 2-x Gd x MnTiO6 by atomic resolution electron microscopy and spectroscopy. *Microscopy and Microanalysis*, **2014**, 20, 731-9	0.5	2
213	Effective high-energy ball milling in air of Fe65Co35 alloys. *Journal of Applied Physics*, **2014**, 115, 17B505	2.5	14
212	SPIN WAVES ALONG THE EDGE STATES. *Spin*, **2014**, 04, 1440003	1.3	0
211	Pattern-wavelength coarsening from topological dynamics in silicon nanofoams. *Physical Review Letters*, **2014**, 112, 094103	7.4	15

210	Growth and characterization of FeB nanoparticles for potential application as magnetic resonance imaging contrast agent. *Materials Research Express*, **2014**, 1, 025008	1.7	9
209	On the origin of remanence enhancement in exchange-uncoupled CoFe2O4-based composites. *Applied Physics Letters*, **2014**, 105, 202405	3.4	25
208	Synthesis of 4H-SrMnO3.0 Nanoparticles from a Molecular Precursor and Their Topotactic Reduction Pathway Identified at Atomic Scale. *Chemistry of Materials*, **2014**, 26, 2256-2265	9.6	9
207	Magnetoresistance and Ferromagnetism in Disordered LaCu0.5Mn0.5O3 Perovskite. *Chemistry of Materials*, **2013**, 25, 2100-2108	9.6	9
206	Influence of the Annealing Atmosphere on the Performance of ZnO Nanowire Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2013**, 117, 16349-16356	3.8	66
205	Stoichiometric magnetite grown by infrared nanosecond pulsed laser deposition. *Applied Surface Science*, **2013**, 282, 642-651	6.7	16
204	Thermoset Magnetic Materials Based on Poly(ionic liquid)s Block Copolymers. *Macromolecules*, **2013**, 46, 1860-1867	5.5	44
203	Versatile electronic behavior of the LixMn3−yFeyO4 spinels. *Journal of Alloys and Compounds*, **2013**, 577, 269-277	5.7	4
202	Solution Synthesis of BiFeO3 Thin Films onto Silicon Substrates with Ferroelectric, Magnetic, and Optical Functionalities. *Journal of the American Ceramic Society*, **2013**, 96, 3061-3069	3.8	22
201	Magnetic and electronic properties of bimagnetic materials comprising cobalt particles within hollow silica decorated with magnetite nanoparticles. *Journal of Applied Physics*, **2013**, 114, 124304	2.5	7
200	Matrix and interaction effects on the magnetic properties of Co nanoparticles embedded in gold and vanadium. *Physical Chemistry Chemical Physics*, **2013**, 15, 316-29	3.6	23
199	Electron doping by charge transfer at LaFeO3/Sm2CuO4 epitaxial interfaces. *Advanced Materials*, **2013**, 25, 1468-73	24	7
198	Influence of the Bi3+ electron lone pair in the evolution of the crystal and magnetic structure of La(1-x)Bi(x)Mn2O5 oxides. *Journal of Physics Condensed Matter*, **2013**, 25, 216002	1.8	3
197	Low temperature magnetic transitions of single crystal HoBi. *Solid State Communications*, **2013**, 171, 59-63	1.6	5
196	Colloidal Ordered Assemblies in a Polymer Shell: A Novel Type of Magnetic Nanobeads for Theranostic Applications. *Chemistry of Materials*, **2013**, 25, 1055-1062	9.6	47
195	Thermal Diffusion at Nanoscale: From CoAu Alloy Nanoparticles to [email´protected] Core/Shell Structures. *Journal of Physical Chemistry C*, **2013**, 117, 3101-3108	3.8	32
194	Pressure dependence of superconducting critical temperature and upper critical field of 2H-NbS2. *Physical Review B*, **2013**, 87,	3.3	48
193	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	3.8	13

192	Magnetic properties of iron oxide nanoparticles prepared by seeded-growth route. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	18
191	Intrinsic Compositional Inhomogeneities in Bulk Ti-Doped BiFeO3: Microstructure Development and Multiferroic Properties. *Chemistry of Materials*, **2013**, 25, 1533-1541	9.6	83
190	Room temperature in-plane <100> magnetic easy axis for Fe3O4/SrTiO3(001):Nb grown by infrared pulsed laser deposition. *Journal of Applied Physics*, **2013**, 114, 223902	2.5	33
189	Magnetoelastic coupling in La0.7Ca0.3MnO3/BaTiO3 ultrathin films. *Physical Review B*, **2013**, 88,	3.3	6
188	Superconductivity and magnetism on flux-grown single crystals of NiBi3. *Physical Review B*, **2013**, 88,	3.3	15
187	Magnetic and superconducting phase diagrams in ErNi2B2C. *Solid State Communications*, **2012**, 152, 1076-1079	1.6	4
186	Supramolecular mechanisms in the synthesis of mesoporous magnetic nanospheres for hyperthermia. *Journal of Materials Chemistry*, **2012**, 22, 64-72		37
185	Enhancement of localization phenomena driven by covalency in the SrBiMn1.75Ti0.25O6 manganite. *Journal of Alloys and Compounds*, **2012**, 522, 123-129	5.7	4
184	On the discrimination between magnetite and maghemite by XANES measurements in fluorescence mode. *Measurement Science and Technology*, **2012**, 23, 015602	2	42
183	Magnetite (Fe3O4): a new variant of relaxor multiferroic?. *Journal of Physics Condensed Matter*, **2012**, 24, 086007	1.8	33
182	XMCD Proof of Ferromagnetic Behavior in ZnO Nanoparticles. *Journal of Physical Chemistry C*, **2012**, 116, 6608-6614	3.8	42
181	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La0.5Ca0.5MnO3□ *Chemistry of Materials*, **2012**, 24, 2519-2526	9.6	14
180	Water-soluble iron oxide nanocubes with high values of specific absorption rate for cancer cell hyperthermia treatment. *ACS Nano*, **2012**, 6, 3080-91	16.7	545
179	Non-symmetric superparamagnetic clusters in the relaxor manganites Sr2□BixMnTiO6 (0□x□ 0.75). *Journal of Materials Chemistry*, **2012**, 22, 11826		10
178	Magnetoimpedance spectroscopy of epitaxial multiferroic thin films. *Physical Review B*, **2012**, 86,	3.3	74
177	Novel Near-Room-Temperature Type I Multiferroic: Pb(Fe0.5Ti0.25W0.25)O3 with Coexistence of Ferroelectricity and Weak Ferromagnetism. *Chemistry of Materials*, **2012**, 24, 2664-2672	9.6	16
176	Ferroelectric substrate effects on the magnetism, magnetotransport, and electroresistance of La0.7Ca0.3MnO3 thin films on BaTiO3. *Physical Review B*, **2012**, 86,	3.3	23
175	Effect of interface-induced exchange fields on cuprate-manganite spin switches. *Physical Review Letters*, **2012**, 108, 207205	7.4	21

174	Exotic magnetic anisotropy map in epitaxial La0.7Ca0.3MnO3 films on BaTiO3. *Physical Review B*, **2011**, 84,	3.3	14
173	Room temperature electroresistance in Sr2GdxMnTiO6 perovskites (0). *Journal of Alloys and Compounds*, **2011**, 509, 4917-4923	5.7	11
172	Structural Characterization and Evolution of the Electronic Behavior of New Sr2GdxMnTiO6 (0) Perovskites. *Journal of the American Ceramic Society*, **2011**, 94, 269-276	3.8	4
171	Tuning magnetic critical behaviour in Ti-manganites by doping with vacancies in A-sites: Sr1?xLaMnTiO60 Materials Chemistry and Physics, **2011**, 130, 280-284	4.4	5
170	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	9.6	116
169	Morphological, structural, and magnetic properties of Co nanoparticles in a silicon oxide matrix. *Journal of Nanoparticle Research*, **2011**, 13, 5321-5333	2.3	21
168	Magnetoresistance in La0.5Sr0.5MnO2.5. *Chemistry - A European Journal*, **2011**, 17, 2709-15	4.8	6
167	Electronic and magnetic reconstructions in La0.7Sr0.3MnO3/SrTiO3 heterostructures: a case of enhanced interlayer coupling controlled by the interface. *Physical Review Letters*, **2011**, 106, 147205	7.4	73
166	New Fe3+/Cr3+ perovskites with anomalous transport properties: the solid solution La(x)Bi(1-x)Fe(0.5)Cr(0.5)O3 (0.4x1). *Inorganic Chemistry*, **2011**, 50, 8340-7	5.1	12
165	Multiferroic nanoparticulate thin film composites by Co implantation of ferroelectric Pb(Mg1/3Nb2/3)O3PbTiO3single crystal targets. *Journal Physics D: Applied Physics*, **2011**, 44, 495306	3	2
164	Interface and temperature dependent magnetic properties in permalloy thin films and tunnel junction structures. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 7653-64	1.3	10
163	Anisotropic magnetotransport in SrTiO3 surface electron gases generated by Ar+ irradiation. *Physical Review B*, **2011**, 83,	3.3	36
162	Confinement effects on the low temperature magnetic structure of MnP nanocrystals. *Applied Physics Letters*, **2011**, 99, 182506	3.4	4
161	Symmetrical interfacial reconstruction and magnetism in La0.7Ca0.3MnO3/YBa2Cu3O7/La0.7Ca0.3MnO3 heterostructures. *Physical Review B*, **2011**, 84,	3.3	27
160	Microstructural Origin of Magnetic and Giant Dielectric Behavior of Sr2MnTiO6Perovskite Nanocrystals. *Journal of the American Ceramic Society*, **2010**, 93, 2311-2319	3.8	14
159	Magnetic properties and anisotropy constant of goethite single crystals at saturating high fields. *Geophysical Journal International*, **2010**,	2.6	3
158	Magnetic and transport properties in ordered arrays of permalloy antidots and thin films. *Journal of Applied Physics*, **2010**, 107, 083918	2.5	12
157	Directionally controlled superconductivity in ferromagnet/superconductor/ferromagnet trilayers with biaxial easy axes. *Physical Review B*, **2010**, 81,	3.3	14

156	Synthesis, magnetic properties, and neutron diffraction study of the complex perovskites R(Cu3−xMnx)Mn4O12 (R=Pr, Nd and x=1,2). *Journal of Applied Physics*, **2010**, 108, 083905	2.5	5
155	Magnetic properties of graphite irradiated with MeV ions. *Physical Review B*, **2010**, 81,	3.3	59
154	Exchange-bias-modulated inverse superconducting spin switch in CoO/Co/YBa2Cu3O7−δ/La0.7Ca0.3MnO3 thin film hybrids. *Physical Review B*, **2010**, 81,	3.3	5
153	The Ho2MnRuO7 pyrochlore oxide: Magnetic structure versus magnetic frustration. *Journal of Applied Physics*, **2010**, 107, 093919	2.5	5
152	Magnetic memory based on La0.7Ca0.3MnO3/YBa2Cu3O7/La0.7Ca0.3MnO3 ferromagnet/superconductor hybrid structures. *Applied Physics Letters*, **2010**, 97, 032501	3.4	16
151	Ferromagnetism in SnO2-based multilayers: Clustering of defects induced by doping. *Physical Review B*, **2010**, 81,	3.3	21
150	Evidence of intrinsic magnetism in capped ZnO nanoparticles. *Physical Review B*, **2010**, 82,	3.3	78
149	Urea-Melt Assisted Synthesis of Ni/NiO Nanoparticles Exhibiting Structural Disorder and Exchange Bias. *Chemistry of Materials*, **2010**, 22, 6529-6541	9.6	47
148	Architectural control of seeded-grown magnetic-semicondutor iron oxide-TiO(2) nanorod heterostructures: the role of seeds in topology selection. *Journal of the American Chemical Society*, **2010**, 132, 2437-64	16.4	133
147	Effects of interparticle interactions in magnetic Fe/Si3N4 granular systems. *Physical Review B*, **2010**, 82,	3.3	18
146	Magnetic Properties of Fe Oxide Nanoparticles Produced by Laser Pyrolysis for Biomedical Applications **2010**,		4
145	Crystal and magnetic study of the disordered perovskites Ca(Mn0.5Sb0.5)O3 and Ca(Fe0.5Sb0.5)O3. *Materials Research Bulletin*, **2010**, 45, 1449-1454	5.1	10
144	Ru−Ru Metal−Metal Bonding in the Chains of Edge-Sharing Octahedra of NdMn1.5Ru0.5O5: A Neutron Powder Diffraction and Magnetic Study. *European Journal of Inorganic Chemistry*, **2010**, 2010, 781-789	2.3	1
143	"Charge leakage" at LaMnO3/SrTiO3 interfaces. *Advanced Materials*, **2010**, 22, 627-32	24	102
142	Synthesis, structural study and magnetic properties of TbFeMnO5. *Solid State Communications*, **2010**, 150, 1831-1836	1.6	7
141	Anisotropy, orbital order, and colossal electroresistance in untwinned La0.9Sr0.1MnO3 single crystals. *Physical Review B*, **2009**, 79,	3.3	9
140	Synthesis of the new RGaMnO5 (R = Ho, Er, Tm) oxides: Structural and magnetic features. *Journal of Materials Research*, **2009**, 24, 2837-2844	2.5	
139	Room-temperature ferromagneticlike behavior in Mn-implanted and postannealed InAs layers deposited by molecular beam epitaxy. *Journal of Applied Physics*, **2009**, 105, 073911	2.5	1

138	Curie temperature enhancement in partially disordered Sr2FeReO6 double perovskites. *Materials Research Bulletin*, **2009**, 44, 1261-1264	5.1	22
137	The Magnetotransport Properties and a Neutron Diffraction Study of Sr2□NdxFeMoO6 Double Perovskites. *European Journal of Inorganic Chemistry*, **2009**, 2009, 1103-1109	2.3	3
136	A Structural and Magnetic Study of the Series of Double Perovskites Ca2Fe1+xW1□O6. *European Journal of Inorganic Chemistry*, **2009**, 2009, 3750-3757	2.3	4
135	B-site disordering in Ba3Ln2MoO9 (Ln=Ho, Er) perovskites: A neutron diffraction study. *Journal of Solid State Chemistry*, **2009**, 182, 1492-1498	3.3	0
134	Crystal structure and magnetism of YbFeMnO5: A neutron diffraction and M□ssbauer spectroscopy study. *Solid State Communications*, **2009**, 149, 540-545	1.6	10
133	Preparation, structural and magnetic characterization of DyCrMnO5. *Journal of Solid State Chemistry*, **2009**, 182, 532-537	3.3	2
132	Hydrothermal Synthesis: A Suitable Route to Elaborate Nanomanganites. *Chemistry of Materials*, **2009**, 21, 1898-1905	9.6	23
131	Orientational ordering and low-temperature libration in the rotor-stator cocrystals of fullerenes and cubane. *Journal of Physical Chemistry B*, **2009**, 113, 2042-9	3.4	12
130	Exchange-coupled bimagnetic cobalt/iron oxide branched nanocrystal heterostructures. *Nano Letters*, **2009**, 9, 366-76	11.5	59
129	Colloidal semiconductor/magnetic heterostructures based on iron-oxide-functionalized brookite TiO2 nanorods. *Physical Chemistry Chemical Physics*, **2009**, 11, 3680-91	3.6	46
128	Synthesis under high-oxygen pressure, magnetic and structural characterization from neutron powder diffraction data of YGa1□Mn1+xO5 (x=0.23): A comparison with YMn2O5. *Materials Research Bulletin*, **2008**, 43, 197-206	5.1	10
127	Persistent ferromagnetism in antiferromagnetic Pr0.6Ca0.4MnO3. *Physical Review B*, **2008**, 78,	3.3	8
126	Thickness Dependent Magnetic Anisotropy of Ultrathin LCMO Epitaxial Thin Films. *IEEE Transactions on Magnetics*, **2008**, 44, 2926-2929	2	11
125	Metal-organic vapor phase epitaxy of crystallographically oriented MnP magnetic nanoclusters embedded in GaP(001). *Journal of Applied Physics*, **2008**, 104, 083501	2.5	17
124	Temperature dependent dynamic and static magnetic response in magnetic tunnel junctions with Permalloy layers. *Applied Physics Letters*, **2008**, 93, 172510	3.4	9
123	Effect of spin fluctuations on the thermodynamic and transport properties of the itinerant ferromagnet CoS2. *Physical Review B*, **2008**, 78,	3.3	16
122	Origin of the inverse spin-switch behavior in manganite/cuprate/manganite trilayers. *Physical Review B*, **2008**, 78,	3.3	45
121	Interface and Mn valence effects in ferromagnetic insulating multilayers based on Mn and tin oxide. *Journal of Applied Physics*, **2008**, 103, 07D129	2.5	6

120	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	2.3	25
119	Crystal Structure and Magnetism of the 6H Hexagonal Double Perovskites Ba2FeSbO6 and Ba2CoSbO6□A Neutron Diffraction and M□sbauer Spectroscopy Study. *European Journal of Inorganic Chemistry*, **2008**, 2008, 2286-2294	2.3	17
118	Switching from ferro- to antiferromagnetism in A2CrSbO6 (A = Ca, Sr) double perovskites: a neutron diffraction study. *Journal of Materials Chemistry*, **2007**, 17, 3555		45
117	Enhanced pressure dependence of magnetic exchange in A2+[V2]O4 spinels approaching the itinerant electron limit. *Physical Review Letters*, **2007**, 99, 187201	7.4	51
116	Ferrimagnetic order in the insulating Sr3Fe2ReO9 double perovskite. *Physica B: Condensed Matter*, **2007**, 398, 397-400	2.8	5
115	Granular Co/Ag multilayers with crystalline coherence. *Journal of Magnetism and Magnetic Materials* , **2007**, 310, e772-e774	2.8	
114	Spin dependent transport at oxide La0.7Ca0.3MnO3/YBa2Cu3O7 ferromagnet/superconductor interfaces. *Journal of the European Ceramic Society*, **2007**, 27, 3967-3970	6	3
113	Magnetic and optical characterization of ferromagnetic multilayers. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e207-e210	2.8	2
112	Magnetoresistance in La0.7Ca0.3MnO3□Ba2Cu3O7 F/S/F trilayers. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e745-e748	2.8	1
111	Spin-dependent magnetoresistance of ferromagnet/superconductor/ferromagnet La0.7Ca0.3MnO3□Ba2Cu3O7□La0.7Ca0.3MnO3 trilayers. *Physical Review B*, **2007**, 75,	3.3	35
110	VO: A strongly correlated metal close to a Mott-Hubbard transition. *Physical Review B*, **2007**, 76,	3.3	15
109	Colossal electroresistance without colossal magnetoresistance in La0.9Sr0.1MnO3. *Applied Physics Letters*, **2007**, 90, 222502	3.4	19
108	Correlation between Mn oxidation state and magnetic behavior in Mn/ZnO multilayers prepared by sputtering. *Journal of Applied Physics*, **2007**, 102, 033907	2.5	10
107	Preparation, structural study from neutron diffraction data and magnetism of the disordered perovskite Ca(Cr0.5Mo0.5)O3. *Journal of Solid State Chemistry*, **2006**, 179, 2506-2510	3.3	7
106	Magnetotransport of CaCu3Mn4O12 complex perovskite derivatives. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 126, 262-266	3.1	8
105	RF magnetron sputtering ferroelectric PbZr0.52Ti0.48O3 thin films with (001) preferred orientation on colossal magneto-resistive layers. *Materials Letters*, **2006**, 60, 1714-1718	3.3	12
104	Co-doped Sr2FeMoO6 double perovskites: A plausible scenario for phase segregation. *Physical Review B*, **2006**, 73,	3.3	12
103	Unusual magnetic and transport properties of oxygen deficient Sr2Fe1□CoxMoO6□. *Applied Physics Letters*, **2006**, 89, 182501	3.4	3

102	Possible quantum criticality in NaxCoO2. *Physical Review B*, **2006**, 73,	3.3	6
101	Structural and magnetotransport features in new electron-doped Sr2CexFeMoO6 double perovskites. *Journal of Materials Chemistry*, **2006**, 16, 865-873		15
100	High-pressure synthesis and study of the crystal and magnetic structure of the distorted SeNiO3 and SeMnO3 perovskites. *Dalton Transactions*, **2006**, 4936-43	4.3	17
99	Transport and magnetic properties of conducting polyaniline doped with BX3 (X=F, Cl, and Br). *Physical Review B*, **2006**, 73,	3.3	11
98	Strain induced phase separation in La0.67Ca0.33MnO3 ultra thin films. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 472-475	3.9	13
97	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	3.3	23
96	Synthesis, structure and magnetic properties of the new double perovskite Ca2CrSbO6. *Solid State Communications*, **2006**, 139, 19-22	1.6	38
95	Measurement and modelling of residual stresses in straightened commercial eutectoid steel rods. *Acta Materialia*, **2005**, 53, 4415-4425	8.4	25
94	Superlattices of magnetoresistive Ca- and Sr-doped manganese perovskites: Interface effects. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, e115-e118	2.8	3
93	Pulsed laser deposition of Sr2FeMoO6 thin films. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, e119-e122	2.8	5
92	Residual stresses in cold drawn ferritic rods. *Scripta Materialia*, **2005**, 52, 305-309	5.6	43
91	Residual stresses in cold drawn pearlitic rods. *Scripta Materialia*, **2005**, 52, 1223-1228	5.6	50
90	Hole doping effects in Sr2FeMo1WxO6(0) double perovskites: a neutron diffraction study. *Journal of Physics Condensed Matter*, **2005**, 17, 3673-3688	1.8	13
89	Magnetic properties of doped II-VI semiconductor nanocrystals. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 1503-8	1.3	16
88	Record saturation magnetization, Curie temperature, and magnetoresistance in Sr2FeMoO6 double perovskite synthesized by wet-chemistry techniques. *Applied Physics Letters*, **2004**, 85, 266-268	3.4	52
87	Electron and hole doping effects in Sr2FeMoO6 double perovskites. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1732-1733	2.8	6
86	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	8.4	75
85	Charge Transfer and Disorder in Double Perovskites. *Chemistry of Materials*, **2004**, 16, 3565-3572	9.6	25

84	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	41
83	Transport properties and magnetoresistance of La□a manganites near the optimal doping concentrations. *Journal of Solid State Chemistry*, **2003**, 171, 76-83	3.3	3
82	Observation of a spin-polarized current through single atom quantum point contacts. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 264-265	3	3
81	Microscopic nature of the electron doping effects in the double perovskite Sr2□LaxFeMoO6(0 ≤ 1) series. *Journal of Materials Chemistry*, **2003**, 13, 1771-1777		42
80	Disorder-induced phase segregation in La2/3Ca1/3MnO3 manganites. *Physical Review B*, **2003**, 68,	3.3	13
79	Magnetic study of an amorphous conducting polyaniline. *Applied Physics Letters*, **2003**, 82, 1733-1735	3.4	18
78	The effect of substitutional mis-site disorder on the structural, magnetic and electronic transport properties of Sr2FeMoO6 double perovskites. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 729-731	2.8	9
77	Neutron strain scanning in straightened eutectoid steel rods. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1679-s1682	2.6	1
76	Neutron-diffraction magnetic scattering in ordered and disordered Sr2FeMoO6. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1752-s1754	2.6	2
75	Low field magnetoresistance at the metal□nsulator transition in epitaxial manganite thin films. *Applied Physics Letters*, **2002**, 81, 319-321	3.4	20
74	Origin of neutron magnetic scattering in antisite-disordered Sr2FeMoO6 double perovskites. *Physical Review B*, **2002**, 65,	3.3	138
73	Finding universal correlations between cationic disorder and low field magnetoresistance in FeMo double perovskite series. *Physical Review Letters*, **2001**, 86, 2443-6	7.4	214
72	Reverse Monte Carlo study of local structural and magnetic cross-correlations in x=1/3 (La,Ca) manganites. *Journal of Alloys and Compounds*, **2001**, 323-324, 404-407	5.7	1
71	Conduction mechanisms in pure and doped polycrystalline orthorhombic manganites. *Journal of Alloys and Compounds*, **2001**, 323-324, 527-530	5.7	5
70	Intergranular Coulomb barriers in thin films of magnetoresistive manganites. *Thin Solid Films*, **2000**, 373, 94-97	2.2	1
69	Influence of the microstructure on the magnetoresistance of manganite thin films. *Thin Solid Films*, **2000**, 373, 98-101	2.2	4
68	Influence of the short-range structural properties on the elastic constants of Si/Ge superlattices. *Journal of Physics Condensed Matter*, **2000**, 12, 2931-2943	1.8	4
67	Coulomb blockade versus intergrain resistance in colossal magnetoresistive manganite granular films. *Physical Review B*, **2000**, 61, 9549-9552	3.3	75

66	Collective excitations in liquid para-H2: A neutron polarization-analysis study. *Physical Review B*, **1999**, 59, 958-964	3.3	5
65	Raman phonons in orthorhombic manganites. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 453-454	2.8	8
64	Phase diagram on La1 □x CaxMnO3. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 520-521	2.8	11
63	La?Ca?Mn?O manganites thin films on silicon. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 530-531	2.8	10
62	Low-temperature magnetoresistance in polycrystalline manganites: connectivity versus grain size. *Applied Physics Letters*, **1999**, 74, 3884-3886	3.4	125
61	Conduction channels and magnetoresistance in polycrystalline manganites. *Physical Review B*, **1999**, 60, 7328-7334	3.3	126
60	Microstructural and Mechanical Properties of Sono-Ormosils. *Journal of Sol-Gel Science and Technology*, **1998**, 13, 451-455	2.3	4
59	Elastic behaviour of Si/Ge superlattices determined by Brillouin light scattering. *Thin Solid Films*, **1998**, 317, 255-258	2.2	5
58	Anomalous hypersonic behavior of CuGeO3 prior to the spin-Peierls transition. *Physical Review B*, **1998**, 58, 8574-8578	3.3	2
57	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	27
56	Collective excitations in liquid para-H2 observed by neutron inelastic scattering. *Physical Review B*, **1997**, 56, 11604-11610	3.3	5
55	Spin dynamics in 1D antiferromagnetic system Y2BaNi1□ZnxO5. *Physica B: Condensed Matter*, **1997**, 234-236, 572-573	2.8	5
54	Effect of magnetic ordering on the low energy excitations of R2BaNiO5 (R?Ho, Er) studied by neutron and optic spectroscopies. *Physica B: Condensed Matter*, **1997**, 241-243, 646-648	2.8	2
53	Muon spin relaxation in condensed oxygen. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1996**, 73, 689-705		8
52	Brillouin spectroscopy on dried sonogels. *Applied Physics Letters*, **1996**, 69, 3827-3829	3.4	5
51	Single-molecule kinetic energy of condensed normal deuterium. *Physical Review B*, **1996**, 54, 970-977	3.3	13
50	Nature of the first diffraction peak in glassy selenium. *Physical Review B*, **1995**, 51, 11932-11935	3.3	10
49	Collective low-frequency excitations in a molecular glass. *Journal of Physics Condensed Matter*, **1994**, 6, 405-420	1.8	7

48	Correlated atomic motions in glassy selenium. *Physical Review B*, **1994**, 50, 13286-13296	3.3	7
47	Thermal transport in glassy selenium: The role of low-frequency librations. *Physical Review B*, **1994**, 49, 8689-8695	3.3	18
46	Relaxational dynamics in molecular glass formers. *Journal of Non-Crystalline Solids*, **1994**, 172-174, 167-174	3.4	2
45	Microscopic dynamics of liquid gallium. *Physical Review E*, **1994**, 49, 3133-3142	2.4	22
44	Some Notes on Debye-Waller Factors of Molecular Glassy Materials. *Europhysics Letters*, **1993**, 24, 545-550	2.6	3
43	Temperature dependence of collective excitations in liquid deuterium studied by neutron inelastic scattering. *Journal of Physics Condensed Matter*, **1993**, 5, 5743-5754	1.8	3
42	Spin dynamics in beta -oxygen. *Journal of Physics Condensed Matter*, **1993**, 5, 6295-6312	1.8	7
41	Magnetic dynamics in the disordered phases of condensed oxygen. *Journal of Physics Condensed Matter*, **1993**, 5, 423-442	1.8	9
40	Low-frequency excitations in glassy selenium: A comparison of neutron-scattering and molecular-dynamics results. *Physical Review B*, **1993**, 48, 149-160	3.3	26
39	Neutron scattering from polycrystalline ice (Ih): Some keys to understanding the collective behavior of liquid water. *Physical Review E*, **1993**, 48, 2300-2303	2.4	4
38	Phonon dispersion in polycrystalline ice: Implications for the collective behavior of liquid water. *Physical Review E*, **1993**, 47, 3516-3523	2.4	24
37	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
36	Collective excitations in liquid deuterium: Neutron-scattering and correlated-density-matrix results. *Physical Review B*, **1993**, 47, 15097-15112	3.3	37
35	Lattice dynamics of ortho-terphenyl. *Molecular Physics*, **1993**, 80, 1263-1267	1.7	6
34	Inelastic neutron and light scattering studies on liquid sulphur dioxide. *Molecular Physics*, **1993**, 78, 821-836	1.7	6
33	On the origin of the low-frequency excitations in glassy selenium. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1993**, 175, 217-224	2.3	10
32	Neutron inelastic scattering from molecular liquids and glasses. *Journal of Molecular Structure*, **1993**, 296, 295-311	3.4	1
31	Collective excitations in liquid deuterium in three thermodynamic states. *Journal of Molecular Structure*, **1993**, 296, 313-320	3.4	1

30	Excess heat capacity in a molecular glass: an assessment based on calorimetric and neutron scattering data. *Journal of Physics Condensed Matter*, **1992**, 4, 9581-9594	1.8	13
29	Magnetic Dynamics in Liquid Oxygen. *Europhysics Letters*, **1992**, 20, 71-77	1.6	11
28	Collective dynamics of liquid carbon tetrachloride studied by inelastic neutron scattering and computer simulation. *Journal of Chemical Physics*, **1992**, 96, 8477-8484	3.9	14
27	Low-frequency excitations in a molecular glass: Single-particle dynamics. *Physical Review B*, **1992**, 46, 6173-6186	3.3	44
26	Collective excitations in liquid methanol: A comparison of molecular, lattice-dynamics, and neutron-scattering results. *Journal of Chemical Physics*, **1992**, 96, 7696-7709	3.9	56
25	Neutron quasielastic scattering from molecular liquids and glasses. *Physica B: Condensed Matter*, **1992**, 182, 289-301	2.8	3
24	Quasielastic neutron scattering in condensed oxygen. *Physica B: Condensed Matter*, **1992**, 182, 409-414	2.8	2
23	Inelastic scattering from molecular liquids and glasses. *Physica B: Condensed Matter*, **1992**, 180-181, 831-833	2.8	1
22	Magnetic dynamics in the disordered phases of oxygen. *Physica B: Condensed Matter*, **1992**, 180-181, 843-844	2.8	4
21	Coherent excitations in liquid deuterium. *Physica B: Condensed Matter*, **1992**, 180-181, 845-847	2.8	4
20	Collective excitations in a molecular classical liquid. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1992**, 172, 177-183	2.3	6
19	Collective excitations in liquid deuterium studied by inelastic neutron scattering. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1991**, 158, 253-257	2.3	17
18	H-Bond in methanol: a molecular dynamics study. *Journal of Molecular Structure*, **1991**, 250, 147-170	3.4	27
17	High frequency excitations in a molecular glass. *Journal of Molecular Structure*, **1991**, 250, 413-419	3.4	
16	Dynamics of liquid CCl4from quasi-elastic neutron scattering. *Journal of Physics Condensed Matter*, **1991**, 3, 851-863	1.8	8
15	Evidence for magnetic excitations in liquid oxygen. *Journal of Physics Condensed Matter*, **1991**, 3, 3849-3853	1.8	9
14	Collective Low-Frequency Excitations in a Molecular Glass. *Europhysics Letters*, **1991**, 15, 509-514	1.6	16
13	Hypersonic relaxation in liquid methanol. *Journal of Physics Condensed Matter*, **1991**, 3, 569-576	1.8	10

12	Collective excitations in a dense dipolar fluid studied by inelastic neutron scattering. *Journal of Physics Condensed Matter*, **1991**, 3, 4075-4087	1.8	9
11	Observation of propagating collective excitations in liquid SO2. *Journal of Chemical Physics*, **1991**, 95, 5387-5391	3.9	11
10	Observation of high frequency excitations in a molecular glass. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1990**, 150, 201-206	2.3	15
9	Collective excitations in liquid methanol studied by coherent inelastic neutron scattering. *Journal of Physics Condensed Matter*, **1990**, 2, 6659-6672	1.8	21
8	Coherent Inelastic Neutron Scattering Response from Liquid Methanol. *Europhysics Letters*, **1990**, 12, 129-134	1.6	21
7	A quantitative assessment of the effect of hydrogen bonding on microscopic dynamics by neutron quasielastic scattering. *Journal of Physics Condensed Matter*, **1990**, 2, 5005-5013	1.8	10
6	Pulsed neutron diffraction of liquid n-butane. *Molecular Physics*, **1990**, 71, 865-870	1.7	5
5	The equilibrium structure of highly polar molecular liquids. *Molecular Physics*, **1989**, 66, 397-419	1.7	16
4	Raman polarizabilities of the □1, □4 bands of methyl iodide. *Journal of Raman Spectroscopy*, **1989**, 20, 307-309	2.3	1
3	Effective Hamiltonian for degenerate vibrational states in symmetric top molecules. *Journal of Molecular Spectroscopy*, **1987**, 124, 272-284	1.3	13
2	Raman polarizabilities of the □2, □5 bands of CD3Cl. *Journal of Raman Spectroscopy*, **1985**, 16, 124-127	2.3	2
1	The infrared spectra of SiH3F: □3 and □4 bands. *Journal of Molecular Spectroscopy*, **1982**, 95, 334-349	1.3	9