

Marie-Louise Saboungi

List of Publications by Year in descending order

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218
papers

8,166
citations

46984

47
h-index

64755

79
g-index

226
all docs

226
docs citations

226
times ranked

8182
citing authors

#	ARTICLE	IF	CITATIONS
1	Large magnetoresistance in non-magnetic silver chalcogenides. <i>Nature</i> , 1997, 390, 57-60.	13.7	592
2	Electron distribution in water. <i>Journal of Chemical Physics</i> , 2000, 112, 9206-9208.	1.2	290
3	Improving reinforcement of natural rubber by networking of activated carbon nanotubes. <i>Carbon</i> , 2008, 46, 1037-1045.	5.4	251
4	The Structure of Aqueous Guanidinium Chloride Solutions. <i>Journal of the American Chemical Society</i> , 2004, 126, 11462-11470.	6.6	245
5	Structure of Liquid Aluminum Oxide. <i>Physical Review Letters</i> , 1997, 78, 464-466.	2.9	227
6	Megagauss sensors. <i>Nature</i> , 2002, 417, 421-424.	13.7	189
7	Structure of Liquid PEO-LiTFSI Electrolyte. <i>Physical Review Letters</i> , 2000, 84, 5536-5539.	2.9	168
8	Thermodynamic properties of a quasi-ionic alloy from electromotive force measurements: The Li-Pb system. <i>Journal of Chemical Physics</i> , 1978, 68, 1375-1384.	1.2	143
9	Relaxation in polymer electrolytes on the nanosecond timescale. <i>Nature</i> , 2000, 405, 163-165.	13.7	139
10	Selenium Nanoparticles: A Small-Angle Neutron Scattering Study. <i>Journal of Physical Chemistry B</i> , 1999, 103, 59-63.	1.2	134
11	Mesoporous silica nanoparticles enhance MTT formazan exocytosis in HeLa cells and astrocytes. <i>Toxicology in Vitro</i> , 2009, 23, 697-703.	1.1	119
12	The development of stable aqueous suspensions of PEGylated SPIONs for biomedical applications. <i>Nanotechnology</i> , 2008, 19, 465608.	1.3	113
13	Magnetic Nanocarriers of Doxorubicin Coated with Poly(ethylene glycol) and Folic Acid: Relation between Coating Structure, Surface Properties, Colloidal Stability, and Cancer Cell Targeting. <i>Langmuir</i> , 2012, 28, 1496-1505.	1.6	111
14	Molecular Orbital Calculations and Raman Measurements for 1-Ethyl-3-methylimidazolium Chloroaluminates. <i>Inorganic Chemistry</i> , 1995, 34, 2990-2993.	1.9	96
15	Spin-glass-like freezing of inner and outer surface layers in hollow Fe_3O_4 nanoparticles. <i>Scientific Reports</i> , 2015, 5, 15054.	1.6	89
16	Intermediate-range order in glasses and liquids. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, L1069-L1072.	1.5	88
17	Structure of Vitreous Germania. <i>Physical Review Letters</i> , 1998, 81, 3207-3210.	2.9	86
18	Melting in Trivalent Metal Chlorides. <i>Europhysics Letters</i> , 1991, 15, 283-288.	0.7	85

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19	Structural changes on supercooling liquid silicon. <i>Applied Physics Letters</i> , 2003, 83, 4734-4736.	1.5	82
20	Poly(ethylene glycol)-stabilized silver nanoparticles for bioanalytical applications of SERS spectroscopy. <i>Analyst</i> , The, 2009, 134, 1868.	1.7	82
21	Molecular Dynamics Simulation Studies of Caffeine Aggregation in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10957-10966.	1.2	79
22	Alkali carbonates: Raman spectroscopy, ab initio calculations, and structure. <i>Journal of Molecular Structure</i> , 1996, 382, 163-169.	1.8	76
23	PEO~PPO~PEO Block Copolymer Micelles in Aqueous Electrolyte Solutions: Effect of Carbonate Anions and Temperature on the Micellar Structure and Interaction. <i>Macromolecules</i> , 2001, 34, 552-558.	2.2	74
24	Recent progress in the synthesis and selected applications of MCM-41: a short review. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 375-395.	1.3	74
25	Structural properties of liquid alkali-metal~lead alloys: NaPb, KPb, RbPb, and CsPb. <i>Physical Review B</i> , 1989, 40, 6018-6029.	1.1	72
26	Microscopic Dynamics of Liquid Aluminum Oxide. <i>Science</i> , 2003, 299, 2047-2049.	6.0	71
27	Nanoscale heterogeneity in alkyl-methylimidazolium bromide ionic liquids. <i>Journal of Chemical Physics</i> , 2011, 134, 104509.	1.2	71
28	Levitation apparatus for neutron diffraction investigations on high temperature liquids. <i>Review of Scientific Instruments</i> , 2006, 77, 053903.	0.6	70
29	Structure of 1-Ethyl-3-Methylimidazolium Chloroaluminates: Neutron Diffraction Measurements and ab initio Calculations. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999, 209, 209-221.	1.4	69
30	Protein-functionalized carbon nanotube-polymer composites. <i>Applied Physics Letters</i> , 2005, 86, 113104.	1.5	69
31	Structure of Aqueous Glucose Solutions as Determined by Neutron Diffraction with Isotopic Substitution Experiments and Molecular Dynamics Calculations. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13104-13111.	1.2	69
32	Nature of the Bound States of Molecular Hydrogen in Carbon Nanohorns. <i>Physical Review Letters</i> , 2007, 98, 215503.	2.9	68
33	Lithium environment in PEO-LiClO 4 polymer electrolyte. <i>Europhysics Letters</i> , 2001, 54, 347-353.	0.7	67
34	Effect of Surfactant Concentration on the Morphology and Texture of MCM-41 Materials. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10674-10680.	1.5	67
35	Topology of Liquidus Phase Diagrams of Charge-Asymmetric Reciprocal Molten Salt Systems. <i>Journal of the American Ceramic Society</i> , 1975, 58, 1-7.	1.9	56
36	Structure of liquid equiatomic potassium~lead alloy: A neutron diffraction experiment. <i>Journal of Chemical Physics</i> , 1987, 87, 2278-2281.	1.2	56

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37	Short-, intermediate-, and extended-range order in rubidium germanate glasses. <i>Physical Review B</i> , 1997, 55, 11249-11255.	1.1	56
38	Molecular-dynamics study of liquid NaPb, KPb, RbPb, and CsPb alloys. <i>Physical Review B</i> , 1990, 42, 3395-3405.	1.1	55
39	Magnetoresistance in n- and p-type Ag ₂ Te: Mechanisms and applications. <i>Applied Physics Letters</i> , 2000, 76, 1710-1712.	1.5	55
40	Synthesis and Evaluation of Novel Biocompatible Super-paramagnetic Iron Oxide Nanoparticles as Magnetic Anticancer Drug Carrier and Fluorescence Active Label. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5850-5858.	1.5	53
41	Molecular dynamics studies of complexing in binary molten salts with polarizable anions: MAX4. <i>Journal of Chemical Physics</i> , 1988, 88, 5818-5823.	1.2	52
42	Heat capacity of some liquid Zintl compounds: Equiatomic alkali-lead alloys. <i>Journal of Chemical Physics</i> , 1988, 89, 5869-5875.	1.2	52
43	Vibrational frequencies of small selenium molecules. <i>Chemical Physics Letters</i> , 1998, 287, 282-288.	1.2	52
44	Atomic structure of solid and liquid polyethylene oxide. <i>Journal of Chemical Physics</i> , 1998, 109, 7005-7010.	1.2	52
45	Computation of isothermal sections of the Al-H-Mg system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 1977, 1, 237-251.	0.7	51
46	A statistical mechanical theory for activity coefficients of a dilute solute in a binary solvent. <i>Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science</i> , 1979, 10, 613-622.	0.5	50
47	Anomalous behavior of liquid K-Pb alloys: Excess stability, entropy, and heat capacity. <i>Journal of Chemical Physics</i> , 1986, 85, 6072-6081.	1.2	48
48	Nanoclusters in Zeolite. <i>Physical Review Letters</i> , 1997, 79, 2061-2064.	2.9	47
49	Local environment of iron and uranium ions in vitrified iron phosphate glasses studied by Fe K and U L _{III} -edge x-ray absorption fine structure spectroscopy. <i>Journal of Materials Research</i> , 2000, 15, 1972-1984.	1.2	47
50	τ-Relaxation in PEO ⁺ LiTFSI Polymer Electrolytes. <i>Macromolecules</i> , 2002, 35, 415-419.	2.2	47
51	Thermodynamic properties of liquid K-Bi alloys by electromotive force measurements. <i>Journal of Physics F: Metal Physics</i> , 1988, 18, 1473-1489.	1.6	46
52	Structure of acidic haloaluminate melts: Neutron diffraction and quantum chemical calculations. <i>Journal of Chemical Physics</i> , 1992, 97, 2733-2741.	1.2	46
53	Caffeine and Sugars Interact in Aqueous Solutions: A Simulation and NMR Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11701-11711.	1.2	46
54	Translational and Reorientational Dynamics of an Imidazolium-Based Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2503-2507.	2.1	43

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55	Drying colloidal systems: Laboratory models for a wide range of applications. <i>European Physical Journal E</i> , 2018, 41, 94.	0.7	43
56	The Formation of Se ²⁻ : A New Resonance Raman Feature in the Photochemistry of Zeolite-Encapsulated Selenium. <i>Journal of the American Chemical Society</i> , 1996, 118, 2004-2007.	6.6	42
57	Reinforcement of semicrystalline polymers with collagen-modified single walled carbon nanotubes. <i>Applied Physics Letters</i> , 2006, 88, 233119.	1.5	41
58	Molecular dynamics studies of the conformation of sorbitol. <i>Carbohydrate Research</i> , 2009, 344, 2229-2235.	1.1	40
59	Coherent neutron scattering from PEO and a PEO-based polymer electrolyte. <i>Solid State Ionics</i> , 2002, 147, 225-236.	1.3	39
60	Dynamics of room-temperature melts: nuclear magnetic resonance measurements of dialkylimidazolium haloaluminates. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 3591.	1.7	38
61	The electrical conductivity of levitated liquids. <i>Applied Physics Letters</i> , 1997, 71, 116-118.	1.5	38
62	A high energy x-ray and neutron scattering study of iron phosphate glasses containing uranium. <i>Journal of Applied Physics</i> , 2000, 87, 2185-2193.	1.1	38
63	Molecular Dynamics and Neutron Scattering Study of Glucose Solutions Confined in MCM-41. <i>Journal of Physical Chemistry B</i> , 2011, 115, 910-918.	1.2	37
64	Dilute solutions of sodium in molten bismuth and tin: EMF measurements and interpretation. <i>Journal of Physics F: Metal Physics</i> , 1984, 14, 13-21.	1.6	36
65	Electromotive Force Measurements in Molten Rb-Bi Alloys with a Rubidium ³ Alumina Electrolyte. <i>Journal of the Electrochemical Society</i> , 1988, 135, 2754-2760.	1.3	36
66	Photoinduced Formation of Selenium Molecules in Zeolites: A Resonant Raman Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 1997, 101, 330-334.	1.2	36
67	Dynamical aspects of disorder in condensed matter. <i>Reports on Progress in Physics</i> , 2003, 66, 407-480.	8.1	36
68	Charge transfer in liquid semiconductors: The K-Te system. <i>Physical Review Letters</i> , 1992, 69, 1415-1418.	2.9	35
69	Dynamic enhancement of cation migration in a Zintl alloy by polyanion rotation. <i>Nature</i> , 1993, 365, 237-239.	13.7	35
70	Atomic and electronic structure of liquid iron trichloride. <i>Europhysics Letters</i> , 1997, 39, 19-24.	0.7	35
71	Measurement of interfacial shear strength in single wall carbon nanotubes reinforced composite using Raman spectroscopy. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	35
72	Folic acid-capped PEGylated magnetic nanoparticles enter cancer cells mostly via clathrin-dependent endocytosis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1578-1586.	1.1	35

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73	Persistence of Well-Defined Collective Excitations in a Molten Transition Metal. <i>Physical Review Letters</i> , 2000, 85, 106-109.	2.9	34
74	Structure of Normal and Supercooled Liquid Aluminum Oxide. <i>Chemistry of Materials</i> , 2005, 17, 2662-2666.	3.2	34
75	Neutron diffraction and simulation studies of the exocyclic hydroxymethyl conformation of glucose. <i>Journal of Chemical Physics</i> , 2006, 125, 224505.	1.2	34
76	Heat capacity of liquid equiatomic potassium-lead alloy: Anomalous temperature dependence. <i>Journal of Chemical Physics</i> , 1987, 86, 6376-6380.	1.2	33
77	Two-stage melting in cesium lead alloys. <i>Physical Review Letters</i> , 1991, 66, 1894-1897.	2.9	33
78	Quantum effects on the structure of water at constant temperature and constant atomic density. <i>Journal of Chemical Physics</i> , 2002, 116, 10833-10837.	1.2	33
79	Melting behavior of levitated Y ₂ O ₃ . <i>Applied Physics Letters</i> , 2003, 83, 3305-3307.	1.5	33
80	Molecular dynamics of glucose in solution: A quasielastic neutron scattering study. <i>Journal of Chemical Physics</i> , 2004, 120, 3527-3530.	1.2	33
81	Structure of a Prototypic Ionic Liquid: Ethyl-methylimidazolium Bromide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12623-12628.	1.2	33
82	Water Confined in Cylindrical Pores: A Molecular Dynamics Study. <i>Food Biophysics</i> , 2011, 6, 233-240.	1.4	33
83	Meyer-Neldel rule for liquid semiconductors. <i>Applied Physics Letters</i> , 1995, 66, 997-999.	1.5	32
84	Uptake of Functionalized Mesoporous Silica Nanoparticles by Human Cancer Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2314-2324.	0.9	32
85	H/D Isotope Effects in Protein Thermal Denaturation: The Case of Bovine Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1881-1888.	1.2	32
86	Activity Coefficients of Dilute Solutions of Lithium in Liquid Aluminum-Tin Alloys: Electromotive Force Measurements and Interpretation. <i>Journal of the Electrochemical Society</i> , 1977, 124, 6-13.	1.3	31
87	Dynamics of Water Molecules in Glucose Solutions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5120-5126.	1.2	31
88	One step synthesis of highly crystalline and high coercive cobalt-ferrite nanocrystals. <i>Chemical Communications</i> , 2005, , 4818.	2.2	31
89	Neutron diffraction studies on aqueous solutions of glucose. <i>Journal of Chemical Physics</i> , 2003, 119, 3347-3353.	1.2	29
90	Molecular dynamics studies of complexing in binary molten salts. I. Molten MAX ₄ . <i>Journal of Chemical Physics</i> , 1984, 80, 2141-2150.	1.2	28

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91	Carrier Density Enhancement in Semiconducting NaSn and CsPb. <i>Physical Review Letters</i> , 1995, 74, 1415-1418.	2.9	28
92	On the Constituents of Aqueous Polyselenide Electrolytes: A Combined Theoretical and Raman Spectroscopic Study. <i>Journal of the American Chemical Society</i> , 1999, 121, 4461-4467.	6.6	28
93	Selenium/Zeolite Y Nanocomposites. <i>Accounts of Chemical Research</i> , 2005, 38, 705-712.	7.6	28
94	Directly writing with nanoparticles at the nanoscale using dip-pen nanolithography. <i>Applied Surface Science</i> , 2007, 254, 1394-1398.	3.1	28
95	Translational and Rotational Dynamics of Monosaccharide Solutions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13079-13085.	1.2	28
96	The coordination cluster theory's description of the activity coefficients of dilute solutions of oxygen and sulfur in binary alloys. <i>Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science</i> , 1982, 13, 429-437.	0.5	27
97	Electrical resistivity of the Na-Pb system: measurements and interpretation. <i>Journal of Physics F: Metal Physics</i> , 1983, 13, 1213-1223.	1.6	27
98	Thermodynamic Properties of Molten Sodium-Lead Alloys: EMF Measurements and Interpretation. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1985, 89, 375-380.	0.9	27
99	Structure and dynamics of molten aluminium and gallium trihalides. <i>Molecular Physics</i> , 1993, 79, 847-857.	0.8	27
100	Conformal ionic solution theory for additive ternary molten ionic systems. <i>Journal of Chemical Physics</i> , 1975, 63, 212-220.	1.2	26
101	Solubility Products of Metal Sulfides in Molten Salts: Measurements and Calculations for Iron Sulfide in the Eutectic Composition. <i>Journal of the Electrochemical Society</i> , 1978, 125, 1567-1573.	1.3	26
102	Electromotive force measurements in liquid K ⁺ Te solutions with a potassium β alumina electrolyte. <i>Journal of Chemical Physics</i> , 1988, 89, 5070-5077.	1.2	26
103	Structure of liquid K-Pb alloys. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 5229-5241.	0.7	26
104	Structure of liquid equiatomic KSn and CsSn. <i>Physical Review B</i> , 1990, 41, 5661-5666.	1.1	26
105	On the formation of isolated Se ₈ rings in zeolites. <i>Chemical Physics Letters</i> , 1997, 281, 69-73.	1.2	26
106	Thermodynamic properties of liquid Rb-Pb alloys. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 209-220.	0.7	25
107	Glucose interactions with a model peptide. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 2224-2232.	1.5	25
108	Liquid potassium-antimony alloys: Investigation of some thermodynamic properties. <i>Journal of Chemical Physics</i> , 1988, 88, 5812-5817.	1.2	24

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109	Effect of water on the structure of a prototype ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23474-23481.	1.3	23
110	Survival of Polyanions in Expanded Liquid Alloys. <i>Europhysics Letters</i> , 1994, 27, 221-226.	0.7	22
111	Observation of Pyridine Aggregation in Aqueous Solution Using Neutron Scattering Experiments and MD Simulations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5412-5419.	1.2	22
112	Local and Intermediate-Range Order in Cesium Germanate Glass. <i>Europhysics Letters</i> , 1995, 29, 549-553.	0.7	21
113	Dynamics of trehalose molecules in confined solutions. <i>Journal of Chemical Physics</i> , 2007, 127, 065102.	1.2	21
114	The structures of normal and supercooled liquid silicon metal and SiGe alloy. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2975-2981.	1.5	21
115	Melting in alkali-metal-lead alloys: KPb and CsPb. <i>Physical Review B</i> , 1991, 44, 7289-7296.	1.1	20
116	Structure and dynamics of molten aluminium and gallium trihalides. <i>Molecular Physics</i> , 1994, 81, 409-420.	0.8	20
117	Electronic conduction in liquid boron. <i>Europhysics Letters</i> , 2001, 56, 81-85.	0.7	20
118	Threading Polymer into Nanotubes: Evidence of Poly(ethylene oxide) Inclusion in Titanium Oxide. <i>Chemistry of Materials</i> , 2005, 17, 2028-2033.	3.2	20
119	Solubility of magnesium oxide in calcium oxide-calcium chloride mixtures. <i>Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science</i> , 1976, 7, 213-215.	0.5	19
120	Computer analysis of phase diagrams and thermodynamic properties of cryolite based systems: I. The AlF ₃ -LiF-NaF system. <i>Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science</i> , 1980, 11, 493-501.	0.5	18
121	Neutron scattering function of vitreous and molten zinc chloride. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 9835-9842.	0.7	18
122	Aerodynamic levitation: An approach to microgravity. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	18
123	Ferromagnetic behavior and exchange bias effect in akaganeite nanorods. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	18
124	The coordination cluster theory: Extension to multicomponent systems. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1987, 18, 1779-1783.	1.4	17
125	Structure of two liquid semiconductors Ag _{1-x} Sex and Ag _{0.67} Te _{0.33} . <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3087-3094.	0.7	17
126	Intermediate-range order in lead metasilicate glass. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 133, 57-61.	0.6	17

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127	Structure of molten iron chloride: Neutron scattering and modeling. <i>Physical Review B</i> , 1998, 57, 10496-10503.	1.1	17
128	Molecular dynamics of confined glucose solutions. <i>Journal of Chemical Physics</i> , 2005, 122, 164504.	1.2	17
129	Structure and dynamics of levitated liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1705-1712.	1.5	17
130	Development of absolute hot-wire anemometry by the 3 σ method. <i>Review of Scientific Instruments</i> , 2010, 81, 044901.	0.6	17
131	Electron magnetic resonance and magneto-optical studies of nanoparticle-containing borate glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 451-460.	1.0	17
132	Short- and intermediate-range order in levitated liquid aluminates. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 455210.	0.7	16
133	Plasma spraying of lanthanum silicate electrolytes for intermediate temperature solid oxide fuel cells (ITSOFCs). <i>Surface and Coatings Technology</i> , 2010, 205, 1060-1064.	2.2	16
134	Weakly hydrated surfaces and the binding interactions of small biological solutes. <i>European Biophysics Journal</i> , 2012, 41, 369-377.	1.2	16
135	Nanoscale Relaxation in "Water-in-Salt" and "Water-in-Bisalt" Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7279-7284.	2.1	16
136	Calculation of thermodynamic properties of multicomponent ionic reciprocal systems. <i>Journal of Chemical Physics</i> , 1980, 73, 5800-5806.	1.2	15
137	Molecular dynamics studies of complexing in binary molten salts. II. Molten M3AX6 and MA3X10. <i>Journal of Chemical Physics</i> , 1986, 85, 3995-4004.	1.2	15
138	Thermodynamic properties of molten Na α -Fe solutions. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1989, 93, 18-24.	0.9	15
139	Liquid tellurides: structure and properties. <i>Journal of Non-Crystalline Solids</i> , 1993, 156-158, 356-361.	1.5	15
140	THE STRUCTURE OF LiKCO ₃ STUDIED BY AB INITIO CALCULATIONS AND RAMAN SPECTROSCOPY. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1477-1485.	1.9	15
141	Liquid boron: X-ray measurements and <i>ab initio</i> molecular dynamics simulations. <i>Physical Review B</i> , 2009, 79, .	1.1	15
142	Stabilization of selenium in zeolites: an anomalous X-ray scattering study. <i>Chemical Communications</i> , 1999, , 997-998.	2.2	14
143	X-ray Diffraction on High-Temperature Liquids: Evolution Towards Time-Resolved Studies. <i>International Journal of Thermophysics</i> , 2005, 26, 1127-1136.	1.0	14
144	Neutron Diffraction and Computer Simulation Studies of D-Xylose. <i>Journal of the American Chemical Society</i> , 2005, 127, 10991-10998.	6.6	14

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145	Computer analysis of phase diagrams and thermodynamic properties of cryolite based systems: Part II. The $\text{AlF}_3\text{-CaF}_2\text{-LiF}$, $\text{AlF}_3\text{-CaF}_2\text{-NaF}$, and $\text{CaF}_2\text{-LiF-NaF}$ systems. <i>Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science</i> , 1982, 13, 61-69.	0.5	13
146	Colloidal silver iodide: synthesis by a reverse micelle method and investigation by a small-angle neutron scattering study. <i>Journal of Electroanalytical Chemistry</i> , 2003, 559, 103-109.	1.9	13
147	Determination of a Hydroxyl Conformation in Aqueous Xylose Using Neutron Scattering and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2981-2983.	1.2	13
148	Tracking the Effects of Rigidity Percolation Down to the Liquid State: Relaxational Dynamics of Binary Chalcogen Melts. <i>Physical Review Letters</i> , 2008, 100, 245902.	2.9	13
149	Application of molecular dynamics computations to the conformal ionic solution theory: Thermodynamics of binary molten salt mixtures. <i>Journal of Chemical Physics</i> , 1976, 65, 2393-2399.	1.2	12
150	Orientalional and translational disorder in semiconducting Zintl compounds. <i>Physical Review B</i> , 1995, 51, 14923-14929.	1.1	12
151	Longitudinal excitations in Mg-Al-O refractory oxide melts studied by inelastic x-ray scattering. <i>Journal of Chemical Physics</i> , 2007, 126, 114505.	1.2	12
152	Atomic motions in liquid K_2Pb : A molecular-dynamics investigation. <i>Physical Review B</i> , 1990, 41, 11739-11742.	1.1	11
153	Oxidation of Aqueous Polyselenide Solutions. A Mechanistic Pulse Radiolysis Study. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4011-4016.	1.1	11
154	Elastic modulus of supercooled liquid and hot solid silicon measured by inelastic X-ray scattering. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 2230-2234.	1.9	11
155	Synthesis and size control of polystyrene nanoparticles via ω -liquid crystalline-nanoemulsion. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 7-11.	2.2	11
156	Relaxation in a Prototype Ionic Liquid: Influence of Water on the Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 715-719.	2.1	11
157	Additive Ternary Molten Salt Systems—Calculation of Phase Diagrams from Thermodynamic Data of Lower Order Systems. <i>Journal of the Electrochemical Society</i> , 1974, 121, 1258.	1.3	10
158	Electrical properties of an unusual liquid semiconductor: K-Te . <i>Philosophical Magazine Letters</i> , 1993, 68, 85-91.	0.5	10
159	Atomic motions in an unusual molecular semiconductor: NaSn . <i>Physical Review B</i> , 1995, 52, 13998-14005.	1.1	10
160	The structure of molten alkali carbonates studied by neutron diffraction and ab initio calculations. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3301-3308.	0.7	10
161	Raman and IR Spectroscopy of Silver Iodide/Silver Selenate Fast Ion-Conducting Glasses. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4018-4022.	1.2	10
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