

J-Li Tamarit

List of Publications by Year in descending order

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257
papers

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94269

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263
docs citations

263
times ranked

3089
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant solid-state barocaloric effect in the Ni-Mn-In magnetic shape-memory alloy. Nature Materials, 2010, 9, 478-481.	13.3	632
2	Inverse barocaloric effect in the giant magnetocaloric La-Fe-Si-Co compound. Nature Communications, 2011, 2, 595.	5.8	175
3	Giant barocaloric effects at low pressure in ferroelectric ammonium sulphate. Nature Communications, 2015, 6, 8801.	5.8	160
4	Barocaloric and magnetocaloric effects in $\text{Fe}_{49}\text{Mn}_{51}$. Physical Review B, 2014, 89, .		
5	Colossal barocaloric effects near room temperature in plastic crystals of neopentylglycol. Nature Communications, 2019, 10, 1803.	5.8	144
6	Barocaloric effect in the magnetocaloric prototype $\text{Gd}_5\text{Si}_2\text{Ge}_2$. Applied Physics Letters, 2012, 101, 071906.	1.5	127
7	Effects of hydrostatic pressure on the magnetism and martensitic transition of Ni-Mn-In magnetic superelastic alloys. Applied Physics Letters, 2008, 92, .	1.5	126
8	Polymorphism of paracetamol: Relative stabilities of the monoclinic and orthorhombic phases inferred from topological pressure-temperature and temperature-volume phase diagrams. Journal of Pharmaceutical Sciences, 2005, 94, 524-539.	1.6	111
9	Giant barocaloric effects over a wide temperature range in superionic conductor AgI. Nature Communications, 2017, 8, 1851.	5.8	95
10	Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys. Acta Materialia, 2015, 96, 324-332.	3.8	89
11	Reversible and irreversible colossal barocaloric effects in plastic crystals. Journal of Materials Chemistry A, 2020, 8, 639-647.	5.2	85
12	Reversible adiabatic temperature changes at the magnetocaloric and barocaloric effects in $\text{Fe}_{49}\text{Rh}_{51}$. Applied Physics Letters, 2015, 107, .	1.5	80
13	Barocaloric and magnetocaloric effects in $(\text{MnNiSi})_{1-x}(\text{FeCoGe})_x$. Applied Physics Letters, 2018, 112, .	1.5	65
14	Inverse barocaloric effects in ferroelectric BaTiO_3 ceramics. APL Materials, 2016, 4, .	2.2	64
15	Giant and Reversible Inverse Barocaloric Effects near Room Temperature in Ferromagnetic $\text{MnCoGeB}_{0.03}$. Advanced Materials, 2019, 31, e1903577.	11.1	60
16	Giant and Reversible Barocaloric Effect in Trinuclear Spin-Crossover Complex $\text{Fe}_3(\text{bntz})_6(\text{tcnset})_6$. Advanced Materials, 2021, 33, e2008076.	11.1	58
17	Binary mixtures of nCB and nOCB liquid crystals. Two experimental evidences for a smectic A-nematic tricritical point. Physical Chemistry Chemical Physics, 2002, 4, 2587-2593.	1.3	56
18	Giant barocaloric effect in all-metal Heusler shape memory alloys. Physical Review Materials, 2019, 3, .	0.9	55

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19	Applicability for heat storage of binary systems of neopentylglycol, pentaglycerine and pentaerythritol: A comparative analysis. <i>Solar Energy Materials and Solar Cells</i> , 1988, 18, 109-115.	0.4	52
20	Anisotropy of Intermolecular Interactions from the Study of the Thermal-Expansion Tensor. <i>Journal of Applied Crystallography</i> , 1998, 31, 748-757.	1.9	51
21	Degree of miscibility between non-isomorphous plastic phases: binary system NPG (neopentyl) Tj ETQq1 1 0.784314,rgBT /Overlock 1	6.7	50
22	Thermodynamic, crystallographic, and dielectric study of the nature of glass transitions in cyclo-octanol. <i>Physical Review B</i> , 2004, 69, .	1.1	50
23	Molecular Interactions and Packing in Molecular Alloys between Nonisomorphous Plastic Phases. <i>Journal of Solid State Chemistry</i> , 1996, 124, 29-38.	1.4	45
24	Polymorphism of CBrCl ₃ . <i>Chemistry of Materials</i> , 2005, 17, 3359-3365.	3.2	45
25	New Microscopic Mechanism for Secondary Relaxation in Glasses. <i>Physical Review Letters</i> , 2009, 103, 075701.	2.9	43
26	Emergence of glassy-like dynamics in an orientationally ordered phase. <i>Physical Review B</i> , 2012, 85, .	1.1	43
27	A new hexagonal phase of fullerene C ₆₀ . <i>Chemical Physics Letters</i> , 1999, 314, 21-26.	1.2	42
28	Liquid crystal binary mixtures 8CB+8OCB: critical behaviour at the smectic A-nematic transition. <i>Liquid Crystals</i> , 2002, 29, 57-66.	0.9	42
29	X-ray and molecular dynamics study of liquid structure in pure methylchloromethane compounds ((CH ₃) ₄ nCCln). <i>Journal of Chemical Physics</i> , 2000, 112, 7505-7517.	1.2	40
30	Thermodynamic Scaling of the Dynamics of a Strongly Hydrogen-Bonded Glass-Former. <i>Scientific Reports</i> , 2017, 7, 1346.	1.6	39
31	On the Crystallography and Thermodynamics in Orientationally Disordered Phases in Two-Component Systems. <i>Journal of Solid State Chemistry</i> , 1997, 133, 536-544.	1.4	38
32	Solid-state studies on single and decagonal crystals of C ₆₀ grown from 1,2-dichloroethane. <i>Physical Review B</i> , 1998, 57, 10351-10358.	1.1	38
33	Two-component systems of isomorphous orientationally disordered crystals. Part 1 Packing of the mixed crystals. <i>Journal of Materials Chemistry</i> , 1999, 9, 909-916.	6.7	38
34	Benzocaine polymorphism: Pressure-temperature phase diagram involving forms II and III. <i>International Journal of Pharmaceutics</i> , 2013, 456, 480-488.	2.6	38
35	Dynamics crossover and dynamic scaling description in vitrification of orientationally disordered crystal. <i>Physical Review B</i> , 2006, 73, .	1.1	37
36	Overall Monotropic Behavior of a Metastable Phase of Biclotymol, 2,2-Methylenebis(4-Chloro-3-Methyl-Isopropylphenol), Inferred From Experimental and Topological Construction of the Related P-T State Diagram. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3927-3941.	1.6	37

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37	Polymorphism of Progesterone: Relative Stabilities of the Orthorhombic Phases I and II Inferred from Topological and Experimental Pressure-Temperature Phase Diagrams. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1657-1670.	1.6	37
38	Pressure-Temperature State Diagram for the Phase Relationships Between Benfluorex Hydrochloride Forms I and II: A Case of Enantiotropic Behavior. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1073-1078.	1.6	37
39	Floor radiant system with heat storage by a solid-solid phase transition material. <i>Solar Energy Materials and Solar Cells</i> , 1992, 27, 127-133.	3.0	34
40	Miscibility study in stable and metastable orientational disordered phases in a two-component system (CH ₃)CCl ₃ +CCl ₄ . <i>Chemical Physics Letters</i> , 1999, 308, 204-210.	1.2	34
41	Solid-State Studies on a C ₆₀ Solvate Grown from 1,1,2-Trichloroethane. <i>Chemistry of Materials</i> , 2000, 12, 3595-3602.	3.2	33
42	Polymorphism of 2,2-Dichloropropane: Crystallographic Characterization of the Ordered and Disordered Phases. <i>Chemistry of Materials</i> , 2002, 14, 1921-1929.	3.2	33
43	Evidence for critical-like behavior in ultraslowing glass-forming systems. <i>Physical Review E</i> , 2010, 82, 031501.	0.8	33
44	Reversible colossal barocaloric effects near room temperature in 1-X-adamantane (X=Cl, Br) plastic crystals. <i>Applied Materials Today</i> , 2021, 23, 101023.	2.3	33
45	Colossal Reversible Barocaloric Effects in Layered Hybrid Perovskite (C ₁₀ H ₂₁ NH ₃) ₂ MnCl ₄ under Low Pressure Near Room Temperature. <i>Advanced Functional Materials</i> , 2021, 31, 2105154.	7.8	33
46	Thermal and Structural Characterization of (CH ₃) ₃ CCl. <i>Chemistry of Materials</i> , 2000, 12, 555-563.	3.2	32
47	Self-Diffusion, Phase Behavior, and Li ⁺ Ion Conduction in Succinonitrile-Based Plastic Cocrystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27298-27306.	1.5	32
48	Reversible barocaloric effects over a large temperature span in fullerite C ₆₀ . <i>Journal of Materials Chemistry A</i> , 2020, 8, 20354-20362.	5.2	32
49	Calorimetric study of the mixtures PE/NPG and PG/NPG. <i>Solar Energy Materials and Solar Cells</i> , 1987, 15, 299-310.	0.4	31
50	First experimental demonstration of crossed isodimorphism: (CH ₃) ₃ CCl+CCl ₄ melting phase diagram. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 2644-2649.	1.3	31
51	Barocaloric effect in metamagnetic shape memory alloys. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2114-2119.	0.7	31
52	Crystal and pVT data and thermodynamics of the phase transitions of 2-methyl-2-nitropropane. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1899-1904.	1.7	30
53	Decagonal C ₆₀ crystals grown from n-hexane solutions: solid-state and aging studies. <i>Chemical Physics Letters</i> , 2000, 330, 491-496.	1.2	30
54	Stable and Metastable Phase Diagram of the Two-Component System (CH ₃) ₃ CCl~(CH ₃)CCl ₃ : An Example of Crossed Isodimorphism. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10326-10334.	1.2	30

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55	Dielectric relaxation in compressed glassy and orientationally disordered mixed crystals. Physical Review B, 2006, 74, .	1.1	29
56	Effects of internal molecular degrees of freedom on the thermal conductivity of some glasses and disordered crystals. Physical Review B, 2012, 85, .	1.1	29
57	Hopping Conductivity and Polarization Effects in a Fullerene Derivative Salt. Journal of Physical Chemistry C, 2014, 118, 12170-12175.	1.5	29
58	Emergence of glassy features in halomethane crystals. Physical Review B, 2019, 99, .	1.1	29

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73	Polymorphism of CBr_2Cl_2 . <i>New Journal of Chemistry</i> , 2008, 32, 232-239.	1.4	24
74	Dimorphism of the prodrug α -tyrosine ethyl ester: Pressure-temperature state diagram and crystal structure of phase II. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4774-4782.	1.6	24
75	Multisite Exchange-Enhanced Barocaloric Response in $MnMn_3$. <i>Physical Review X</i> , 2018, 8, .	2.8	24
76	Solid-State Studies of C_60 Solvates Formed in the $C_60 \cdot BrCCl_3$ System. <i>Chemistry of Materials</i> , 2003, 15, 288-291.	3.2	23
77	Liquid Crystal Binary Mixtures of 8OCB + 10OCB. Evidence for a Smectic A-to-Nematic Tricritical Point. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16284-16289.	1.2	23
78	Thermodynamic and Dielectric Studies Concerning the Influence of Cylindrical Submicrometer Confinement on Heptyloxycyanobiphenyl. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23209-23217.	1.2	23
79	Temperature and composition-dependent properties of the two-component system d- and l-camphor at ordinary pressure. <i>Thermochimica Acta</i> , 2010, 511, 43-50.	1.2	23
80	Enthalpy space analysis of the evolution of the primary relaxation time in ultraslowing systems. <i>Journal of Chemical Physics</i> , 2011, 134, 024512.	1.2	23
81	Stability hierarchy between Piracetam forms I, II, and III from experimental pressure-temperature diagrams and topological inferences. <i>International Journal of Pharmaceutics</i> , 2016, 497, 96-105.	2.6	23
82	Determination of an intermediate cubic phase in the PE/NPG binary system by X-ray powder diffraction. <i>Journal of Physics and Chemistry of Solids</i> , 1991, 52, 665-672.	1.9	22
83	Direct experimental assessment of the strength of orientational correlations in polar liquids. <i>Physical Review E</i> , 2005, 72, 031502.	0.8	22
84	τ_{\pm} -relaxation dynamics of orientationally disordered mixed crystals composed of Cl-adamantane and CN-adamantane. <i>Journal of Chemical Physics</i> , 2010, 132, 164516.	1.2	22
85	Dynamic heterogeneity in the glass-like monoclinic phases of CBr_nCl_{4-n} , $n = 0, 1, 2$. <i>Journal of Chemical Physics</i> , 2012, 137, 054506.	1.2	22
86	Role of steric and electrostatic effects in the short-range order of quasitrahedral molecular liquids. <i>Physical Review B</i> , 2012, 85, .	1.1	22
87	Rimonabant Dimorphism and Its Pressure-Temperature Phase Diagram: A Delicate Case of Overall Monotropic Behavior. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2311-2321.	1.6	22
88	Glassy Dynamics versus Thermodynamics: The Case of 2-Adamantanone. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8468-8474.	1.2	22
89	Collective relaxation dynamics and crystallization kinetics of the amorphous Biclotymol antiseptic. <i>International Journal of Pharmaceutics</i> , 2015, 495, 420-427.	2.6	22
90	Thermodynamic and Kinetic Fragility of Freon 113: The Most Fragile Plastic Crystal. <i>Physical Review Letters</i> , 2017, 118, 105701.	2.9	22

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91	Influence of grain growth on the martensitic transformation in $\text{Ti}_{2-x}\text{Cu}_x\text{Zn}_{1-x}\text{Al}$ memory alloys. <i>Materials Research Bulletin</i> , 1989, 24, 445-452.	2.7	21
92	C_{60} - CCl_4 phase diagram: polythermal behaviour of solvates C_{60} , 12 CCl_4 and C_{60} , 2 CCl_4 . <i>Chemical Physics Letters</i> , 1996, 260, 78-81.	1.2	21
93	Stable and metastable orientationally disordered mixed crystals of the two-component system $(\text{CH}_3)_2\text{CCl}_2+\text{CCl}_4$. <i>Chemical Physics Letters</i> , 2000, 321, 438-444.	1.2	21
94	Solid state studies of the C_{60} . $2(\text{CH}_3)\text{CCl}_3$ solvate. <i>Carbon</i> , 2005, 43, 417-424.	5.4	21
95	Structure of Phase III and Polymorphism of $(\text{CH}_3)_3\text{CBr}$. <i>Crystal Growth and Design</i> , 2010, 10, 2793-2800.	1.4	21
96	Interplay between intramolecular and intermolecular structures of 1,1,2,2-tetrachloro-1,2-difluoroethane. <i>Physical Review B</i> , 2011, 84, .	1.1	21
97	Advances and obstacles in pressure-driven solid-state cooling: A review of barocaloric materials. <i>MRS Energy & Sustainability</i> , 2021, 8, 3.	1.3	21
98	Re-entrant Nematic Behavior in the 7OCB+9OCB Mixtures: Evidence for Multiple Nematic-Smectic Tricritical Points. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26194-26203.	1.2	20
99	Solid State Studies on Synthetic and Natural Crystalline Arsenic(III) Sulfide, As_2S_3 (Orpiment): A New Data for an Old Compound. <i>Chemistry of Materials</i> , 2006, 18, 3821-3826.	3.2	20
100	Overall Stability for the Ibuprofen Racemate: Experimental and Topological Results Leading to the Pressure-Temperature Phase Relationships between Its Racemate and Conglomerate. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5568-5574.	1.2	20
101	Thermal properties of halogen-ethane glassy crystals: Effects of orientational disorder and the role of internal molecular degrees of freedom. <i>Journal of Chemical Physics</i> , 2015, 143, 084510.	1.2	20
102	Double Primary Relaxation in a Highly Anisotropic Orientational Glass-Former with Low-Dimensional Disorder. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10614-10621.	1.5	20
103	Thermodynamic Study of Some Neopentane Derivated by Thermobarometric Analysis. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 250, 347-358.	0.3	19
104	Polymorphism of 2-Methyl-2-chloropropane and 2,2-Dimethylpropane (Neopentane): Thermodynamic Evidence for a High-Pressure Orientationally Disordered Rhombohedral Phase through Topological p - T Diagrams. <i>Chemistry of Materials</i> , 2002, 14, 851-857.	3.2	19
105	On the influence of cylindrical sub-micrometer confinement on heptyloxycyanobiphenyl (7OCB). A dynamic dielectric study. <i>Chemical Physics Letters</i> , 2006, 423, 463-469.	1.2	19
106	Topological and Experimental Approach to the Pressure-Temperature-Composition Phase Diagram of the Binary Enantiomer System $(1R,2S)$ - and $(1S,2R)$ -Camphor. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1672-1678.	1.2	19
107	Solid-State Studies of the Triclinic ($Z = 2$) Antiprotozoal Drug Ternidazole. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 2258-2266.	1.6	19
108	Conformational Polymorphism: The Missing Phase of 1,1,2,2-Tetrachloroethane ($\text{C}_2\text{H}_2\text{Cl}_4$). <i>Crystal Growth and Design</i> , 2013, 13, 2143-2148.	1.4	19

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109	Uniaxial negative thermal expansion in crystals of tienoxolol. <i>Structural Chemistry</i> , 2013, 24, 279-283.	1.0	19
110	Ultraslow Dynamics of Water in Organic Molecular Solids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4941-4950.	1.5	19
111	Martensitic transformation differences on poly and single β -Cu-Zn-Al crystals. <i>Materials Research Bulletin</i> , 1988, 23, 1585-1590.	2.7	18
112	Miscibility in plastic phases: Binary system NPG (neopentylglycol)/AMP (2-amino,2-methyl-1,3-propanediol). <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 1295-1302.	1.9	18
113	Experimental assessment of the extent of orientational short-range order in liquids. <i>Physical Review B</i> , 2005, 72, .	1.1	18
114	Dielectric relaxation in bulk and cylindrically confined octylcyanobiphenyl (8CB). <i>Liquid Crystals</i> , 2006, 33, 1083-1091.	0.9	18
115	Disentangling the Secondary Relaxations in the Orientationally Disordered Mixed Crystals: Cycloheptanol + Cyclooctanol Two-Component System. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6099-6106.	1.2	18
116	Tyrosine alkyl esters as prodrug: the structure and intermolecular interactions of l-tyrosine methyl ester compared to l-tyrosine and its ethyl and n-butyl esters. <i>Structural Chemistry</i> , 2011, 22, 649-659.	1.0	18
117	Polymorphism in Halogen-Ethane Derivatives: CCl_3 and CF_2Cl . <i>Crystal Growth and Design</i> , 2013, 13, 782-791.	1.4	18
118	Water-Triggered Conduction Mediated by Proton Exchange in a Hygroscopic Fulleride and Its Hydrate. <i>Journal of Physical Chemistry C</i> , 2015, 119, 685-694.	1.5	18
119	Molecular diffusion and dc conductivity perfectly correlated with molecular rotational dynamics in a plastic crystalline electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16053-16057.	1.3	18
120	Thermodynamic phase diagram analysis of three binary systems shared by five neopentane derivatives. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 1994, 18, 387-396.	0.7	17
121	Packing Disordered Molecular Crystals and their Molecular Alloys. <i>Journal of Applied Crystallography</i> , 1997, 30, 118-122.	1.9	17
122	Two-Component System Cycloheptanol (C7) + Cyclooctanol (C8): An Extraordinary System. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5914-5921.	1.2	17
123	Crystal Structure and Solid-State Properties of 3,4-Diaminopyridine Dihydrogen Phosphate and Their Comparison with Other Diaminopyridine Salts. <i>Crystal Growth and Design</i> , 2013, 13, 708-715.	1.4	17
124	Genuine antiplasticizing effect of water on a glass-former drug. <i>Scientific Reports</i> , 2017, 7, 7470.	1.6	17
125	Two-component systems of isomorphous orientationally disordered crystals. Part 2 Thermodynamic analysis. <i>Journal of Materials Chemistry</i> , 1999, 9, 917-921.	6.7	16
126	Reentrant Behavior in Binary Mixtures of (Octyloxy)cyanobiphenyl (8OCB) and the Shorter Chain Homologue (Heptyloxy)cyanobiphenyl (7OCB). <i>Journal of Physical Chemistry B</i> , 2003, 107, 7820-7829.	1.2	16

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127	The Two-Component System $\text{CCl}_4 + \text{CBrCl}_3$. Inference of the Lattice Symmetry of Phase II of CBrCl_3 . <i>Journal of Physical Chemistry B</i> , 2004, 108, 11089-11096.	1.2	16
128	An Integrated View of the Influence of Temperature, Pressure, and Humidity on the Stability of Trimorphic Cysteamine Hydrochloride. <i>Molecular Pharmaceutics</i> , 2015, 12, 2276-2288.	2.3	16
129	Phase Transition in Hydrogen-Bonded 1-Adamantane-methanol. <i>Crystal Growth and Design</i> , 2015, 15, 4149-4155.	1.4	16
130	The structure of liquid water beyond the first hydration shell. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19420-19425.	1.3	16
131	New Intermediate Polymorph of 1-Fluoro-adamantane and Its Second-Order-like Transition toward the Low Temperature Phase. <i>Crystal Growth and Design</i> , 2017, 17, 3395-3401.	1.4	16
132	Disorder effects on heat transport properties of orientationally disordered crystals. <i>Physical Review B</i> , 2010, 81, .	1.1	15
133	Enhancement of the Physical and Chemical Stability of Amorphous Drug-Polymer Mixtures via Cryogenic Comilling. <i>Macromolecules</i> , 2018, 51, 9382-9392.	2.2	15
134	Time and temperature dependence of the exchanged energy on solid-solid transitions of pentaglycerine/neopentylglycol mixtures. <i>Solar Energy Materials and Solar Cells</i> , 1987, 15, 403-412.	0.4	14
135	From the Two-Component System $\text{CBrCl}_3 + \text{CBr}_4$ to the High-Pressure Properties of CBr_4 . <i>Journal of Physical Chemistry B</i> , 2008, 112, 13916-13922.	1.2	14
136	Microscopic structures and dynamics of high- and low-density liquid $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{r} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{a} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{n} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle$ Physical Review B, 2010, 81, .	1.1	14
137	On the Polymorphism of l-Citrulline: Crystal Structure and Characterization of the Orthorhombic $\hat{\Gamma}$ Form. <i>Crystal Growth and Design</i> , 2014, 14, 1279-1286.	1.4	14
138	Ultrastable glasses portray similar behaviour to ordinary glasses at high pressure. <i>Scientific Reports</i> , 2016, 6, 34296.	1.6	14
139	Polymorphism in Halogen-Ethane Derivatives: $\text{CCl}_3\text{-CF}_2\text{Cl}$ and $\text{CF}_3\text{-CF}_2\text{Cl}$. <i>Crystal Growth and Design</i> , 2012, 12, 1513-1519.	1.4	13
140	Liquid-Liquid Miscibility Gaps in Drug-Water Binary Systems: Crystal Structure and Thermodynamic Properties of Prilocaine and the Temperature-Composition Phase Diagram of the Prilocaine-Water System. <i>Molecular Pharmaceutics</i> , 2013, 10, 1332-1339.	2.3	13
141	Polymorphism of spironolactone: An unprecedented case of monotropy turning to enantiotropy with a huge difference in the melting temperatures. <i>International Journal of Pharmaceutics</i> , 2018, 552, 193-205.	2.6	13
142	Amorphous binary dispersions of chloramphenicol in enantiomeric pure and racemic poly-lactic acid: Morphology, molecular relaxations, and controlled drug release. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118565.	2.6	13
143	Phase Equilibria in the $\text{C}_{60} + \text{Ferrocene}$ System and Solid-State Studies of the $\text{C}_{60} \cdot 2\text{Ferrocene}$ Solvate. <i>Chemistry of Materials</i> , 2002, 14, 321-326.	3.2	12
144	Two-component System $\text{CCl}_4 + (\text{CH}_3)_3\text{CBr}$: Extrema in Equilibria Involving Orientationally Disordered Phases. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12096-12103.	1.2	12

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145	Monoclinic mixed crystals of halogenomethanes $CBr_4 \sim nCln$ ($n=0, \dots, 4$). <i>Chemical Physics</i> , 2007, 336, 150-156.	0.9	12
146	Scaling the dynamics of orientationally disordered mixed crystals. <i>Journal of Chemical Physics</i> , 2009, 131, 184504.	1.2	12
147	FABADA: a Fitting Algorithm for Bayesian Analysis of DAta. <i>Journal of Physics: Conference Series</i> , 2011, 325, 012006.	0.3	12
148	Solid-State Properties and Dehydration Behavior of the Active Pharmaceutical Ingredient Potassium Guaicol-4-sulfonate. <i>Crystal Growth and Design</i> , 2013, 13, 3028-3035.	1.4	12
149	The relationship between orientational disorder and pressure: The case study of succinonitrile. <i>Journal of Molecular Structure</i> , 2014, 1078, 3-9.	1.8	12
150	Dynamic characterization of crystalline and glass phases of deuterated 1,1,2,2 tetrachloroethane. <i>Journal of Chemical Physics</i> , 2015, 143, 134502.	1.2	12
151	Effects of site-occupation disorder on the low-temperature thermal conductivity of molecular crystals. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 141-148.	1.5	12
152	On the microscopic mechanism behind the purely orientational disorder-disorder transition in the plastic phase of 1-chloroadamantane. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20259-20266.	1.3	12
153	The system carbon tetrabromide + hexachloroethane analysis of the plastic-crystalline + liquid equilibrium. <i>Journal of Crystal Growth</i> , 1997, 180, 315-321.	0.7	11
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155	Solid-State Studies on a Cubic 1:1 Solvate of C60 Grown from Dichloromethane and Leading to Another Hexagonal C60 Polymorph. <i>Chemistry of Materials</i> , 2001, 13, 1349-1355.	3.2	11
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