

Raffaele Guido Della Valle

List of Publications by Year in descending order

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141
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times ranked

4074
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#	ARTICLE	IF	CITATIONS
1	Visualizing a SCSC [2 + 2] photodimerization through its lattice dynamics: an experimental and theoretical investigation. <i>ChemPhysChem</i> , 2022, , .	1.0	3
2	The impact of solid solution composition on kinetics and mechanism of [2 + 2] photodimerization of cinnamic acid derivatives. <i>CrystEngComm</i> , 2021, 23, 1352-1359.	1.3	5
3	Precursor polymorph determines the organic semiconductor structure formed upon annealing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10865-10874.	2.7	7
4	Growth, morphology and molecular orientation of controlled Indigo thin films on silica surfaces. <i>Surfaces and Interfaces</i> , 2021, 24, 101058.	1.5	6
5	Experimental Estimate of the Holstein Electron-Phonon Coupling Constants in Perylene. <i>Advanced Electronic Materials</i> , 2020, 6, 2000208.	2.6	5
6	In Search of Surface-Induced Crystal Structures: The Case of Tyrian Purple. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17702-17710.	1.5	3
7	(Perylene)3-(TCNQF1)2: Yet Another Member in the Series of Perylene-TCNQx Polymorphic Charge Transfer Crystals. <i>Crystals</i> , 2020, 10, 177.	1.0	4
8	Electrostatic Interactions Shape Molecular Organization and Electronic Structure of Organic Semiconductor Blends. <i>Chemistry of Materials</i> , 2020, 32, 1261-1271.	3.2	24
9	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2019, 151, 164706.	1.2	22
10	Surface Induced Phenytoin Polymorph. 1. Full Structure Solution by Combining Grazing Incidence X-ray Diffraction and Crystal Structure Prediction. <i>Crystal Growth and Design</i> , 2019, 19, 6058-6066.	1.4	5
11	Surface Induced Phenytoin Polymorph. 2. Structure Validation by Comparing Experimental and Density Functional Theory Raman Spectra. <i>Crystal Growth and Design</i> , 2019, 19, 6067-6073.	1.4	1
12	Solution equilibrium between two structures of Perylene-F2TCNQ charge transfer co-crystals. <i>Journal of Crystal Growth</i> , 2019, 516, 45-50.	0.7	7
13	A synergic approach of X-ray powder diffraction and Raman spectroscopy for crystal structure determination of 2,3-thienoimide capped oligothiophenes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3630-3636.	1.3	10
14	Simulated Raman spectra of four tetraphenylbutadiene polymorphs. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25503.	1.0	2
15	An Alternative Strategy to Polymorph Recognition at Work: The Emblematic Case of Coronene. <i>Crystal Growth and Design</i> , 2018, 18, 4869-4873.	1.4	19
16	Structural, Spectroscopic, and Computational Characterization of the Concomitant Polymorphs of the Natural Semiconductor Indigo. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18422-18431.	1.5	22
17	Toward a Reliable Description of the Lattice Vibrations in Organic Molecular Crystals: The Impact of van der Waals Interactions. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 4380-4390.	2.3	26
18	Bulk and Surface-Stabilized Structures of Paracetamol Revisited by Raman Confocal Microscopy. <i>ACS Omega</i> , 2018, 3, 9564-9571.	1.6	10

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19	Photoluminescence as a probe of molecular organization in PDI8-CN2 ultra-thin films. Journal of Luminescence, 2017, 187, 403-409.	1.5	6
20	Crystal Structure of the 9-Anthracene-10-Carboxylic Acid Photochemical Dimer and Its Solvates by X-ray Diffraction and Raman Microscopy. Crystal Growth and Design, 2017, 17, 3361-3370.	1.4	14
21	DFT-Assisted Polymorph Identification from Lattice Raman Fingerprinting. Journal of Physical Chemistry Letters, 2017, 8, 3690-3695.	2.1	42
22	Fast identification of rubrene polymorphs by lattice phonon Raman microscopy. Solid State Sciences, 2017, 71, 146-151.	1.5	18
23	Solid-state photodimerization of 9-methyl-anthracene. Journal of Raman Spectroscopy, 2017, 48, 271-277.	1.2	11
24	Structure, Stoichiometry, and Charge Transfer in Cocrystals of Perylene with TCNQ-F ₄ . Crystal Growth and Design, 2016, 16, 3028-3036.	1.4	99
25	Two New Polymorphs of the Organic Semiconductor 9,10-Diphenylanthracene: Raman and X-ray Analysis. Journal of Physical Chemistry C, 2016, 120, 1831-1840.	1.5	29
26	The Chemistry of Ni ^{II} -Sb Carbonyl Clusters: Synthesis and Characterization of the [Ni ₁₉ Sb ₄ (CO) ₂₆] ⁴⁻ Tetraanion and the Viologen Salts of [Ni ₁₃ Sb ₂ (CO) ₂₄] ⁿ⁻ Carbonyl Clusters. European Journal of Inorganic Chemistry, 2014, 2014, 4151-4158.	1.0	6
27	Micro Raman Investigation of the Photodimerization Reaction of 9-Cyanoanthracene in the Solid State. Journal of Physical Chemistry C, 2014, 118, 9628-9635.	1.5	27
28	Exploration of the polymorph landscape for 1,1,4,4-tetraphenyl-1,3-butadiene. CrystEngComm, 2014, 16, 8205-8213.	1.3	9
29	Raman investigation of polymorphism in 1,1,4,4-tetraphenyl-1,3-butadiene. Journal of Raman Spectroscopy, 2013, 44, 905-908.	1.2	11
30	Predicting the Anchoring of Liquid Crystals at a Solid Surface: 5-Cyanobiphenyl on Cristobalite and Glassy Silica Surfaces of Increasing Roughness. Langmuir, 2013, 29, 8950-8958.	1.6	62
31	Structure and dynamics of pentacene on SiO ₂ : From monolayer to bulk structure. Physical Review B, 2012, 85, ...	1.1	40
32	Crystal-to-Crystal Photoinduced Reaction of Dinitroanthracene to Anthraquinone. Journal of the American Chemical Society, 2012, 134, 17671-17679.	6.6	19
33	Phonon dynamics and electron-phonon coupling in pristine picene. Physical Chemistry Chemical Physics, 2012, 14, 1694-1699.	1.3	19
34	Epitaxial Growth of π -Stacked Perfluoropentacene on Graphene-Coated Quartz. ACS Nano, 2012, 6, 10874-10883.	7.3	108
35	Phase recognition by lattice phonon Raman spectra: The triclinic structure of the organic semiconductor dibenzo-tetrathiafulvalene. Chemical Physics Letters, 2012, 523, 74-77.	1.2	12
36	Structure and Morphology of PDI8-CN2 for n-Type Thin-Film Transistors. Advanced Functional Materials, 2012, 22, 943-953.	7.8	50

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37	Absorption, Photoluminescence, and Polarized Raman Spectra of a Fourfold Alkoxy-Substituted Phthalocyanine Liquid Crystal. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12150-12157.	1.5	25
38	Towards crystal structure prediction of complex organic compounds – a report on the fifth blind test. <i>Acta Crystallographica Section B: Structural Science</i> , 2011, 67, 535-551.	1.8	358
39	Interaction of charge carriers with lattice and molecular phonons in crystalline pentacene. <i>Journal of Chemical Physics</i> , 2011, 135, 084701.	1.2	44
40	The oxidation of tyrosine and tryptophan studied by a molecular dynamics normal hydrogen electrode. <i>Journal of Chemical Physics</i> , 2011, 134, 244508.	1.2	115
41	Spectroscopic and Structural Characterization of Two Polymorphs of 1,1,4,4-Tetraphenyl-1,3-butadiene. <i>Crystal Growth and Design</i> , 2010, 10, 2752-2758.	1.4	21
42	DFT Investigation of Oligothiophenes on a Si(001) Surface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20068-20075.	1.5	6
43	Peierls and Holstein carrier-phonon coupling in crystalline rubrene. <i>Physical Review B</i> , 2010, 82, .	1.1	113
44	Polymorphism and Phonon Dynamics of 1,4-Dithienylbenzene. <i>ChemPhysChem</i> , 2009, 10, 657-663.	1.0	20
45	Molecular Dynamics Simulations for a Pentacene Monolayer on Amorphous Silica. <i>ChemPhysChem</i> , 2009, 10, 1783-1788.	1.0	32
46	Influence of Intermolecular Vibrations on the Electronic Coupling in Organic Semiconductors: The Case of Anthracene and Perfluoropentacene. <i>ChemPhysChem</i> , 2009, 10, 2265-2273.	1.0	77
47	Inside Cover: Influence of Intermolecular Vibrations on the Electronic Coupling in Organic Semiconductors: The Case of Anthracene and Perfluoropentacene (<i>ChemPhysChem</i> 13/2009). <i>ChemPhysChem</i> , 2009, 10, 2158-2158.	1.0	0
48	Significant progress in predicting the crystal structures of small organic molecules – a report on the fourth blind test. <i>Acta Crystallographica Section B: Structural Science</i> , 2009, 65, 107-125.	1.8	371
49	CarâˆParrinello MD Simulations for the Na ⁺ ~Phenylalanine Complex in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12783-12789.	1.2	19
50	The four polymorphic modifications of the semiconductor dibenzo-tetrathiafulvalene. <i>CrystEngComm</i> , 2008, 10, 1899.	1.3	62
51	Probing polymorphs of organic semiconductors by lattice phonon Raman microscopy. <i>CrystEngComm</i> , 2008, 10, 937.	1.3	103
52	Are Crystal Polymorphs Predictable? The Case of Sexithiophene. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6715-6722.	1.1	16
53	Polarized Raman Spectra of a Rubrene Single Crystal. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17416-17422.	1.5	45
54	First Principles Study of Alkali~Tyrosine Complexes: Alkali Solvation and Redox Properties. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 1049-1056.	2.3	13

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55	Do Computed Crystal Structures of Nonpolar Molecules Depend on the Electrostatic Interactions? The Case of Tetracene. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1085-1089.	1.1	10
56	Direct evidence of overdamped Peierls-coupled modes in the temperature-induced phase transition in tetrathiafulvalene-chloranil. <i>Physical Review B</i> , 2008, 78, .	1.1	24
57	Local mode and normal mode models for molecules with two non-equivalent C-H bonds. <i>Molecular Physics</i> , 2007, 105, 1779-1787.	0.8	7
58	Ab initiomolecular dynamics study of ascorbic acid in aqueous solution. <i>Molecular Physics</i> , 2007, 105, 17-23.	0.8	14
59	Inherent Structures of Crystalline Tetracene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10858-10862.	1.1	22
60	Polymorphs of β -sexithiophene probed by lattice phonon Raman microscopy. <i>Chemical Physics</i> , 2006, 328, 125-131.	0.9	26
61	Lattice dynamics of TTF-CA across the neutral-ionic transition. <i>Chemical Physics</i> , 2006, 325, 71-77.	0.9	20
62	Crystal structure of oligoacenes under high pressure. <i>Physical Review B</i> , 2006, 74, .	1.1	56
63	Characterization of Phase Purity in Organic Semiconductors by Lattice-Phonon Confocal Raman Mapping: Application to Pentacene. <i>Advanced Materials</i> , 2005, 17, 2549-2553.	11.1	67
64	A third blind test of crystal structure prediction. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 511-527.	1.8	373
65	High-Pressure Dissociation of Crystalline para-Diiodobenzene: Optical Experiments and Car-Parrinello Calculations. <i>Journal of the American Chemical Society</i> , 2005, 127, 3038-3043.	6.6	16
66	MD Simulation of the Na ⁺ -Phenylalanine Complex in Water: Competition between Cation- π Interaction and Aqueous Solvation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23016-23023.	1.2	34
67	Organic Semiconductors: Polymorphism, Phonon Dynamics and Carrier-Phonon Coupling in Pentacene. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 416, 145-154.	0.4	23
68	Exploring the polymorphism of crystalline pentacene. <i>Organic Electronics</i> , 2004, 5, 1-6.	1.4	33
69	Intramolecular and Low-Frequency Intermolecular Vibrations of Pentacene Polymorphs as a Function of Temperature. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1822-1826.	1.2	53
70	Phonons and structures of tetracene polymorphs at low temperature and high pressure. <i>Physical Review B</i> , 2004, 70, .	1.1	75
71	Lattice dynamics and electron-phonon coupling in pentacene crystal structures. <i>Macromolecular Symposia</i> , 2004, 212, 375-380.	0.4	9
72	Pressure-induced phase transition in pentacene. <i>Chemical Physics Letters</i> , 2003, 375, 490-494.	1.2	55

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73	PENTACENE AT HIGH PRESSURE. High Pressure Research, 2003, 23, 349-354.	0.4	19
74	Organic superconductors: How can we increase the critical temperature?. Synthetic Metals, 2003, 137, 1273-1274.	2.1	0
75	Inherent structures of crystalline pentacene. Journal of Chemical Physics, 2003, 118, 807-815.	1.2	62
76	BEDT-TTF organic superconductors: The role of phonons. Physical Review B, 2002, 66, .	1.1	30
77	Probing Pentacene Polymorphs by Lattice Dynamics Calculations. Journal of the American Chemical Society, 2002, 124, 2128-2129.	6.6	57
78	Temperature evolution of pentacene crystal structure and phonon dynamics. Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	7
79	Electron-Intermolecular Phonon Coupling in $\hat{1}^{\pm}$ -Phase BEDT-TTF Organic Superconductors. , 2002, , 251-254.		0
80	Temperature dependence of structure and phonons of $\hat{1}^{\pm}$ - and $\hat{1}^2$ -TTF crystals. Physical Chemistry Chemical Physics, 2001, 3, 4170-4175.	1.3	4
81	Coupling between lattice and intramolecular modes in 9,10-dimethylanthracene: Raman spectra under pressure and quasi-harmonic lattice dynamics calculations. Chemical Physics, 2001, 273, 197-206.	0.9	5
82	Raman phonon spectra and lattice dynamics of 9,10-dinitroanthracene under pressure. High Pressure Research, 2000, 18, 233-238.	0.4	1
83	Computer-Aided Series Expansion for Phonon Self-Energy. Journal of Computational Physics, 2000, 165, 428-436.	1.9	1
84	Coupling between intramolecular and lattice vibrations in solid para-diiodobenzene. Chemical Physics Letters, 2000, 325, 599-604.	1.2	5
85	NH ₂ inversion potential in the S ₀ and S ₁ electronic states of aniline: fit to the (ro-)vibrational data and comparison with ab initio and density functional results. Chemical Physics Letters, 2000, 327, 45-53.	1.2	27
86	Pressure and temperature effects in lattice dynamics: 1,4-dibromonaphthalene. Chemical Physics, 2000, 262, 437-444.	0.9	1
87	Lattice dynamics and electron-phonon coupling in the $\hat{1}^2$ (BEDT-TTF) ₂ I ₃ organic superconductor. Physical Review B, 2000, 62, 14476-14486.	1.1	33
88	Electron-phonon coupling in BEDT-TTF (ET) superconductors. Synthetic Metals, 2000, 109, 13-17.	2.1	6
89	High-Pressure Raman Spectra of p-Diiodobenzene. Journal of Physical Chemistry A, 2000, 104, 11070-11074.	1.1	1
90	Towards an effective potential for the monomer, dimer, hexamer, solid, and liquid forms of hydrogen fluoride. Physical Review B, 1999, 59, 13699-13706.	1.1	28

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91	A scaling approximation for structure factors in the integral equation theory of polydisperse nonionic colloidal fluids. <i>Journal of Chemical Physics</i> , 1999, 111, 7636-7645.	1.2	26
92	High dimensional anharmonic potential energy surfaces: The case of methane. <i>Journal of Chemical Physics</i> , 1999, 110, 7339-7347.	1.2	58
93	Structure and phonons of $\hat{I}\pm\text{(ET)}_2\text{I}_3\hat{a}^{\sim}$ crystals. <i>Physica B: Condensed Matter</i> , 1999, 265, 195-198.	1.3	7
94	Pressure-induced phase transitions in quasi-one-dimensional anthracene derivatives. <i>Physica B: Condensed Matter</i> , 1999, 265, 199-202.	1.3	6
95	Molecular anharmonicity: A computer-aided treatment. <i>Journal of Computational Chemistry</i> , 1999, 20, 1716-1730.	1.5	5
96	Glycerol condensed phases Part I. A molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 871-877.	1.3	112
97	Lattice dynamics and e-ph coupling in BEDT-TTF superconductors. <i>Synthetic Metals</i> , 1999, 103, 2083.	2.1	0
98	Quasiharmonic lattice-dynamics and molecular-dynamics calculations for the Lennard-Jones solids. <i>Physical Review B</i> , 1998, 58, 206-212.	1.1	33
99	Effect of pressure on lattice modes and electronic excitations of 9,10-diiodoanthracene crystals. <i>Journal of Chemical Physics</i> , 1997, 107, 4628-4634.	1.2	14
100	Vibrational density of states and homogeneous linewidth in molecular crystals: Many-phonon processes in nitrogen. <i>Physical Review B</i> , 1997, 55, 14855-14864.	1.1	5
101	Lattice phonons in neutral BEDT-TTF crystal. <i>Chemical Physics Letters</i> , 1997, 274, 478-484.	1.2	8
102	Quasi harmonic lattice dynamics: the phase diagram of benzene. <i>Chemical Physics</i> , 1996, 202, 231-241.	0.9	33
103	High-pressure densification of silica glass: A molecular-dynamics simulation. <i>Physical Review B</i> , 1996, 54, 3809-3816.	1.1	78
104	Raman phonon spectra and lattice dynamics of 7-methoxycoumarin under pressure. <i>Chemical Physics Letters</i> , 1995, 246, 619-625.	1.2	1
105	Pressure-induced phase transitions in 9,10-anthracene derivatives: anthraquinone. <i>Chemical Physics</i> , 1995, 191, 177-184.	0.9	21
106	Pressure and temperature effects in lattice dynamics: the case of naphthalene. <i>Chemical Physics</i> , 1995, 198, 79-89.	0.9	31
107	Molecular-dynamics simulation of glassyCu ₃₃ Y ₆₇ . <i>Physical Review B</i> , 1994, 50, 3620-3624.	1.1	6
108	Microstructural analysis of simulatedNi ₃₃ Y ₆₇ glass. <i>Physical Review B</i> , 1994, 49, 12625-12632.	1.1	17

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109	The effect of pressure on the photodimerization of 7-methoxycoumarin crystal. <i>Chemical Physics Letters</i> , 1994, 218, 568-573.	1.2	6
110	A molecular dynamics study of the vibrational properties of silica glass. <i>Chemical Physics</i> , 1994, 179, 411-419.	0.9	40
111	Non-additive Lennard-Jones model for the structure of Ni ₃₃ Y ₆₇ metallic glass: integral equation and molecular dynamics calculations. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 165, 183-187.	2.6	9
112	An improved representation for the high-density structure of Lennard-Jones systems: From liquid toward glass. <i>Journal of Chemical Physics</i> , 1993, 99, 6915-6922.	1.2	22
113	Efficient calculation of high-order self-energy corrections to phonon linewidths: Application to δ -nitrogen. <i>Physical Review B</i> , 1993, 47, 11124-11133.	1.1	10
114	Equation of motion for the Green's function in anharmonic solids. <i>Physical Review B</i> , 1992, 46, 6141-6149.	1.1	13
115	Molecular dynamics simulation of silica liquid and glass. <i>Journal of Chemical Physics</i> , 1992, 97, 2682-2689.	1.2	108
116	Stability under pressure of excimers of anthracene derivatives. <i>Journal of Luminescence</i> , 1992, 53, 110-112.	1.5	4
117	Vibrational analysis of the carbon-hydrogen stretching overtones in pyridine and 2,6-lutidine. <i>The Journal of Physical Chemistry</i> , 1991, 95, 3027-3031.	2.9	17
118	Test of a pairwise additive ionic potential model for silica. <i>Journal of Chemical Physics</i> , 1991, 94, 5056-5060.	1.2	40
119	Lattice stability of YBa ₂ Cu ₃ O ₆ and YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 1679-1680.	0.6	0
120	Lattice dynamics of YBa ₂ Cu ₃ O ₆ and YBa ₂ Cu ₃ O ₇ , a rigid ion model. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1429-1430.	0.6	1
121	Linewidth of the 991 cm ⁻¹ mode in benzene at high pressures. <i>Chemical Physics Letters</i> , 1988, 148, 45-51.	1.2	8
122	Rotational spectra of several vibrational excited states of axial and equatorial cyanocyclobutane and potential energy function of the ring puckering. <i>Journal of Molecular Spectroscopy</i> , 1988, 129, 284-292.	0.4	15
123	Local-mode to normal-mode hamiltonian transformation for X-H stretchings. <i>Molecular Physics</i> , 1988, 63, 611-621.	0.8	62
124	High pressure Raman spectra and pressure-induced phase transitions of 1,10-dichloroanthracene. <i>Journal of Chemical Physics</i> , 1988, 89, 3163-3167.	1.2	7
125	Recursive computation of many-phonon densities of states. <i>Physical Review Letters</i> , 1987, 59, 2196-2198.	2.9	8
126	A dynamical model of excimer instability in molecular crystals. <i>Chemical Physics</i> , 1987, 116, 141-149.	0.9	6

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127	The effect of pressure on the electronic spectra of anthracene derivatives. <i>Journal of Luminescence</i> , 1987, 38, 311-313.	1.5	4
128	Non-perturbative theory of four-wave light scattering in strong fields. <i>Chemical Physics</i> , 1987, 115, 169-186.	0.9	3
129	Transient behaviour of coherent and incoherent processes in a three-level system. <i>Chemical Physics</i> , 1986, 103, 287-294.	0.9	1
130	Non perturbative theory of electronic resonant coherent Raman scattering (CARS, CSRS). <i>Journal of Molecular Structure</i> , 1986, 142, 489-492.	1.8	0
131	Theoretical analysis of resonant raman scattering: Simulations of lineshapes and excitation profiles. <i>Chemical Physics</i> , 1985, 94, 351-364.	0.9	5
132	Lattice dynamics of solid $\hat{1}\pm$ -carbon monoxide. <i>Chemical Physics</i> , 1985, 96, 361-369.	0.9	22
133	Energy decay mechanisms and anharmonic lattice dynamics: The case of solid nitrogen. <i>Chemical Physics</i> , 1985, 100, 315-329.	0.9	24
134	Effects of dampings and dephasings in resonance raman spectroscopy. <i>Chemical Physics Letters</i> , 1985, 115, 428-433.	1.2	4
135	Molecular dynamics simulation of crystalline naphthalene. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1984, 40, 297-305.	0.3	23
136	Potential models and torsional stability in molecular crystals. <i>Chemical Physics Letters</i> , 1984, 104, 435-439.	1.2	8
137	Polar modes in molecular crystals: Ewald splitting of infrared and Raman lines. <i>Canadian Journal of Physics</i> , 1984, 62, 1237-1247.	0.4	2
138	Lattice dynamics of ionic molecular crystals in the rigid ion approximation, phases II and III of sodium superoxide. <i>Canadian Journal of Physics</i> , 1984, 62, 54-64.	0.4	3
139	Anharmonic processes in molecular crystals. Calculation of the anharmonic shifts, bandwidths and energy decay processes in crystalline naphthalene. <i>Chemical Physics</i> , 1983, 74, 179-195.	0.9	77
140	Phonon dispersion curves and phonon lifetimes in crystalline ammonia. <i>Chemical Physics</i> , 1979, 44, 189-196.	0.9	23
141	Anharmonic interactions in molecular crystals. Two-phonon absorption in crystalline OCS. <i>Chemical Physics</i> , 1979, 43, 385-393.	0.9	11