

Mark A Spackman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

18,109
citations

45
h-index

134
g-index

139
ext. papers

21,116
ext. citations

4.3
avg, IF

7.25
L-index

#	Paper	IF	Citations
134	Structure correlation and dynamics in crystals a tribute to Hans-Beat Bögi. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022 , 78, 281-282	1.8	
133	Global Analysis of the Mechanical Properties of Organic Crystals. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	12
132	Quantifying Mechanical Properties of Molecular Crystals: A Critical Overview of Experimental Elastic Tensors. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	2
131	: a program for Hirshfeld surface analysis, visualization and quantitative analysis of molecular crystals. <i>Journal of Applied Crystallography</i> , 2021 , 54, 1006-1011	3.8	344
130	Insights into Host-Guest Binding in Hydroquinone Clathrates: Single-Crystal X-ray and Neutron Diffraction, and Complementary Computational Studies on the Hydroquinone-CO ₂ Clathrate. <i>Crystal Growth and Design</i> , 2021 , 21, 3477-3486	3.5	1
129	Single-Crystal High-Pressure X-ray Diffraction Study of Host Structure Compression in Clathrates of Dianin Compound. <i>Crystal Growth and Design</i> , 2020 , 20, 4092-4099	3.5	2
128	Investigation of an Unusual Crystal Habit of Hydrochlorothiazide Reveals Large Polar Enantiopure Domains and a Possible Crystal Nucleation Mechanism. <i>Angewandte Chemie</i> , 2019 , 131, 10361-10365	3.6	3
127	Investigation of an Unusual Crystal Habit of Hydrochlorothiazide Reveals Large Polar Enantiopure Domains and a Possible Crystal Nucleation Mechanism. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10255-10259	16.4	6
126	Revisiting a Historical Concept by Using Quantum Crystallography: Are Phosphate, Sulfate and Perchlorate Anions Hypervalent?. <i>Chemistry - A European Journal</i> , 2019 , 25, 6523-6532	4.8	15
125	Bridging Crystal Engineering and Drug Discovery by Utilizing Intermolecular Interactions and Molecular Shapes in Crystals. <i>Angewandte Chemie</i> , 2019 , 131, 16936-16940	3.6	3
124	Bridging Crystal Engineering and Drug Discovery by Utilizing Intermolecular Interactions and Molecular Shapes in Crystals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16780-16784	16.4	13
123	Measurement of Electric Fields Experienced by Urea Guest Molecules in the 18-Crown-6/Urea (1:5) Host-Guest Complex: An Experimental Reference Point for Electric-Field-Assisted Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3965-3976	16.4	23
122	Accurate Lattice Energies for Molecular Crystals from Experimental Crystal Structures. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 1614-1623	6.4	101
121	Tetraiodoallene, I ₂ C=C=CI ₂ the missing link between I ₂ C=CI ₂ and I ₂ C=C=C=CI ₂ and the oxidation product, 2,2-diiodoacrylic acid, I ₂ C=CH(CO ₂ H). <i>Australian Journal of Chemistry</i> , 2018 , 71, 70	1.2	4
120	Intermolecular interactions in crystals of small unsubstituted cyclic ethers and substituted epoxides. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 641-648	1	2
119	Facile Synthesis of Pentamethylcyclopentadienyl Ruthenium Half-Sandwich Complexes by Naphthalene Displacement. <i>Australian Journal of Chemistry</i> , 2018 , 71, 289	1.2	1
118	The Polymorphs of ROY: A Computational Study of Lattice Energies and Conformational Energy Differences. <i>Australian Journal of Chemistry</i> , 2018 , 71, 279	1.2	25

117	Towards the use of experimental electron densities to estimate reliable lattice energies. <i>CrystEngComm</i> , 2018 , 20, 5340-5347	3.3	6
116	Approaching an experimental electron density model of the biologically active trans-epoxysuccinyl amide group substituent effects vs. crystal packing. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e3683	2.1	4
115	The Elusive Structural Origin of Plastic Bending in Dimethyl Sulfone Crystals with Quasi-isotropic Crystal Packing. <i>Angewandte Chemie</i> , 2017 , 129, 8588-8592	3.6	28
114	The Elusive Structural Origin of Plastic Bending in Dimethyl Sulfone Crystals with Quasi-isotropic Crystal Packing. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8468-8472	16.4	80
113	Intermolecular Interaction Energies in Hydroquinone Clathrates at High Pressure. <i>Crystal Growth and Design</i> , 2017 , 17, 3834-3846	3.5	17
112	Intermolecular interactions in molecular crystals: what's in a name?. <i>Faraday Discussions</i> , 2017 , 203, 93-112	1.2	76
111	Magnetically recoverable FeO@Au-coated nanoscale catalysts for the A-coupling reaction. <i>Dalton Transactions</i> , 2017 , 46, 5133-5137	4.3	34
110	model energies and energy frameworks: extension to metal coordination compounds, organic salts, solvates and open-shell systems. <i>IUCrJ</i> , 2017 , 4, 575-587	4.7	492
109	Geometries, interaction energies and complexation free energies of 18-crown-6 with neutral molecules. <i>CrystEngComm</i> , 2016 , 18, 8653-8663	3.3	1
108	Quantifying Host-Guest Interaction Energies in Clathrates of Dianin Compound. <i>Crystal Growth and Design</i> , 2016 , 16, 6858-6866	3.5	11
107	Energy frameworks and a topological analysis of the supramolecular features in in situ cryocrystallized liquids: tuning the weak interaction landscape via fluorination. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31811-31820	3.6	39
106	Robert Farrell Stewart (1936-2015). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016 , 72, 507-9	1.7	
105	'Quasi-isostructural polymorphism' in molecular crystals: inputs from interaction hierarchy and energy frameworks. <i>Chemical Communications</i> , 2016 , 52, 2141-4	5.8	35
104	Structural Collapse of the Hydroquinone-Formic Acid Clathrate: A Pressure-Medium-Dependent Phase Transition. <i>Chemistry - A European Journal</i> , 2016 , 22, 4061-9	4.8	15
103	How Reliable Are Intermolecular Interaction Energies Estimated from Topological Analysis of Experimental Electron Densities?. <i>Crystal Growth and Design</i> , 2015 , 15, 5624-5628	3.5	81
102	Supramolecular Recognition and Energy Frameworks in Host-Guest Complexes of 18-Crown-6 and Sulfonamides. <i>Crystal Growth and Design</i> , 2015 , 15, 5892-5900	3.5	23
101	Energy frameworks: insights into interaction anisotropy and the mechanical properties of molecular crystals. <i>Chemical Communications</i> , 2015 , 51, 3735-8	5.8	339
100	Electrostatic complementarity in pseudoreceptor modeling based on drug molecule crystal structures: the case of loxistatin acid (E64c). <i>New Journal of Chemistry</i> , 2015 , 39, 1628-1633	3.6	10

99	Molecular Imprisonment: Host Response to Guest Location, Orientation, and Dynamics in Clathrates of Dianin's Compound. <i>Crystal Growth and Design</i> , 2014 , 14, 1296-1306	3.5	16
98	Host perturbation in a hydroquinone clathrate studied by combined X-ray/neutron charge-density analysis: implications for molecular inclusion in supramolecular entities. <i>Chemistry - A European Journal</i> , 2014 , 20, 8089-98	4.8	8
97	Hirshfeld atom refinement for modelling strong hydrogen bonds. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014 , 70, 483-98	1.7	47
96	Accurate and Efficient Model Energies for Exploring Intermolecular Interactions in Molecular Crystals. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 4249-55	6.4	258
95	Pauling bond strength, bond length and electron density distribution. <i>Physics and Chemistry of Minerals</i> , 2014 , 41, 17-25	1.6	11
94	Direct Evidence of Cation Disorder in Thermoelectric Lead Chalcogenides PbTe and PbS. <i>Advanced Functional Materials</i> , 2013 , 23, 5477-5483	15.6	83
93	Visualizing lithium-ion migration pathways in battery materials. <i>Chemistry - A European Journal</i> , 2013 , 19, 15535-44	4.8	45
92	Bonded radii and the contraction of the electron density of the oxygen atom by bonded interactions. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1632-40	2.8	26
91	Molecules in crystals. <i>Physica Scripta</i> , 2013 , 87, 048103	2.6	101
90	Simulations of guest transport in clathrates of Dianin's compound and hydroquinone. <i>Chemistry - A European Journal</i> , 2013 , 19, 2676-84	4.8	16
89	Properties of atoms under pressure: bonded interactions of the atoms in three perovskites. <i>Journal of Chemical Physics</i> , 2012 , 137, 164313	3.9	9
88	Crystal structure and chemical bonding of the intermetallic Zintl phase Yb ₁₁ AlSb ₉ . <i>Dalton Transactions</i> , 2012 , 41, 10347-53	4.3	15
87	Seemingly simple group 8 cyclopentadienyl dicarbonyl metal halides: From little things, interesting things grow. <i>CrystEngComm</i> , 2012 , 14, 812-818	3.3	3
86	Computational study of methyl group dynamics in the hydroquinone clathrate of acetonitrile. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 1570-2	3.6	9
85	Application of atomic Hirshfeld surface analysis to intermetallic systems: is Mn in cubic CeMnNi ₄ a thermoelectric rattler atom?. <i>Inorganic Chemistry</i> , 2012 , 51, 1916-24	5.1	15
84	Supramolecular polymorphism of the 1:1 molecular salt (adamantane-1-carboxylate-3,5,7-tricarboxylic acid)[hexamethylenetetraminium]. A "failed" crystal engineering attempt. <i>Chemical Communications</i> , 2012 , 48, 1883-5	5.8	25
83	Supramolecular interactions between hexabromoethane and cyclopentadienyl ruthenium bromides: Halogen bonding or electrostatic organisation?. <i>CrystEngComm</i> , 2012 , 14, 804-811	3.3	19
82	Crystal packing in the 2-R,4-oxo-[1,3-a/b]-naphthodioxanes [Hirshfeld surface analysis and melting point correlation. <i>CrystEngComm</i> , 2012 , 14, 1083-1093	3.3	38

81	Multi-temperature Synchrotron Powder X-ray Diffraction Study and Hirshfeld Surface Analysis of Chemical Bonding in the Thermoelectric Zintl Phase Yb ₁₄ MnSb ₁₁ . <i>Chemistry of Materials</i> , 2011 , 23, 3723-3730	9.6	23
80	Charge Densities and Crystal Engineering		1
79	Intermolecular interactions and electrostatic properties of the Hydroquinone apohost: implications for supramolecular chemistry. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 12962-72	2.8	20
78	Visualisation and characterisation of voids in crystalline materials. <i>CrystEngComm</i> , 2011 , 13, 1804-1813	3.3	271
77	Temperature-dependent crystal structure of the isopropanol clathrate of Dianin's compound. <i>Chemical Communications</i> , 2011 , 47, 2029-31	5.8	9
76	Mechanism of concerted hydrogen bond reorientation in clathrates of Dianin's compound and hydroquinone. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18880-8	16.4	18
75	Synthesis, crystal structure, atomic Hirshfeld surfaces, and physical properties of hexagonal CeMnNi ₄ . <i>Inorganic Chemistry</i> , 2010 , 49, 9343-9	5.1	40
74	Revised electrostatics from invariom refinement of the 18-residue peptaibol antibiotic trichotoxin A50E. <i>CrystEngComm</i> , 2010 , 12, 2419	3.3	10
73	Three new co-crystals of hydroquinone: crystal structures and Hirshfeld surface analysis of intermolecular interactions. <i>New Journal of Chemistry</i> , 2010 , 34, 193-199	3.6	236
72	Molecular dynamics simulations of structure and dynamics of organic molecular crystals. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14916-29	3.6	43
71	Physical and crystallographic characterisation of the mGlu5 antagonist MTEP and its monohydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 234-45	3.9	3
70	Combined structure-factor phase measurement and theoretical calculations for mapping of chemical bonds in GaN. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010 , 66, 446-50		7
69	Hirshfeld surface analysis. <i>CrystEngComm</i> , 2009 , 11, 19-32	3.3	3999
68	Effects of weak intermolecular interactions on the molecular isomerism of tricobalt metal chains. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7580-91	16.4	25
67	Variable Intercalation of Calcium Ions in Bilayers of Partially Deprotonated p-Phosphonic Acid Calix[4]arene. <i>Crystal Growth and Design</i> , 2009 , 9, 3759-3764	3.5	18
66	Refractive indices for molecular crystals from the response of X-ray constrained Hartree-Fock wavefunctions. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7209-18	3.6	37
65	Proton switching of polarity in metalloamphiphile crystals. <i>CrystEngComm</i> , 2009 , 11, 249-253	3.3	8
64	Polymorphism in 3-methyl-4-methoxy-4'-nitrostilbene (MMONS), a highly active NLO material. <i>CrystEngComm</i> , 2008 , 10, 197-206	3.3	42

63	Analysis of the compression of molecular crystal structures using Hirshfeld surfaces. <i>CrystEngComm</i> , 2008 ,	3.3	21
62	Electrostatic potentials mapped on Hirshfeld surfaces provide direct insight into intermolecular interactions in crystals. <i>CrystEngComm</i> , 2008 ,	3.3	83
61	Estimated H-atom anisotropic displacement parameters: a comparison between different methods and with neutron diffraction results. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008 , 64, 465-75		85
60	Theoretical electron density distributions for Fe- and Cu-sulfide earth materials: a connection between bond length, bond critical point properties, local energy densities, and bonded interactions. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1923-31	3.4	26
59	Controlling the confinement and alignment of fullerene C(70) in para-substituted calix[5]arenes. <i>Chemistry - A European Journal</i> , 2007 , 13, 3907-12	4.8	25
58	Dipole moment enhancement in molecular crystals from X-ray diffraction data. <i>ChemPhysChem</i> , 2007 , 8, 2051-63	3.2	63
57	The use of dipole lattice sums to estimate electric fields and dipole moment enhancement in molecular crystals. <i>Chemical Physics Letters</i> , 2007 , 443, 87-91	2.5	37
56	Comment on On the calculation of the electrostatic potential, electric field and electric field gradient from the aspherical pseudoatom model by Volkov, King, Coppens & Farrugia (2006). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2007 , 63, 198-200; author reply 201-3		10
55	Can the interaction density be measured? The example of the non-standard amino acid sarcosine. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2007 , 63, 426-36		37
54	Redetermination, invariom-model and multipole refinement of L-ornithine hydrochloride. <i>Acta Crystallographica Section B: Structural Science</i> , 2007 , 63, 505-9		36
53	Variable temperature Hirshfeld surface analysis of interdigitated calix[6]arene bearing O-alkyl C18 linear chains. <i>CrystEngComm</i> , 2007 , 9, 566	3.3	14
52	Comparison of Polymorphic Molecular Crystal Structures through Hirshfeld Surface Analysis. <i>Crystal Growth and Design</i> , 2007 , 7, 755-769	3.5	235
51	Solvent inclusion in the structural voids of form II carbamazepine: single-crystal X-ray diffraction, NMR spectroscopy and Hirshfeld surface analysis. <i>CrystEngComm</i> , 2007 , 9, 728	3.3	147
50	Towards quantitative analysis of intermolecular interactions with Hirshfeld surfaces. <i>Chemical Communications</i> , 2007 , 3814-6	5.8	2014
49	Comparing entire crystal structures: structural genetic fingerprinting. <i>CrystEngComm</i> , 2007 , 9, 648	3.3	378
48	Electric field-derived point charges to mimic the electrostatics in molecular crystals. <i>Journal of Computational Chemistry</i> , 2006 , 27, 1063-70	3.5	5
47	Effective molecular polarizabilities and crystal refractive indices estimated from x-ray diffraction data. <i>Journal of Chemical Physics</i> , 2006 , 125, 174505	3.9	42
46	Dipole and quadrupole moments of molecules in crystals: a novel approach based on integration over Hirshfeld surfaces. <i>Journal of Chemical Physics</i> , 2006 , 124, 74106	3.9	12

45	Si-O bonded interactions in silicate crystals and molecules: a comparison. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12678-83	2.8	13
44	Bond length and local energy density property connections for non-transition-metal oxide-bonded interactions. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12259-66	2.8	31
43	Reassessment of large dipole moment enhancements in crystals: a detailed experimental and theoretical charge density analysis of 2-methyl-4-nitroaniline. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8763-76	2.8	61
42	Invariom-model refinement of L-valinol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006 , 62, o633-5		6
41	Invarioms for improved absolute structure determination of light-atom crystal structures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006 , 62, 217-23		48
40	Anisotropic displacement parameters for H atoms using an ONIOM approach. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 875-88		59
39	Introduction and validation of an invariom database for amino-acid, peptide and protein molecules. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006 , 62, 1325-35		87
38	The use of the promolecular charge density to approximate the penetration contribution to intermolecular electrostatic energies. <i>Chemical Physics Letters</i> , 2006 , 418, 158-162	2.5	43
37	Phase measurement for accurate mapping of chemical bonds in acentric space groups. <i>Physical Review Letters</i> , 2005 , 95, 085502	7.4	4
36	Novel tools for visualizing and exploring intermolecular interactions in molecular crystals. <i>Acta Crystallographica Section B: Structural Science</i> , 2004 , 60, 627-68		1741
35	Charge density analysis of two polymorphs of antimony(III) oxide. <i>Dalton Transactions</i> , 2004 , 23-9	4.3	39
34	An Exploration of Theoretical and Experimental Electron Density Distributions and SiO Bonded Interactions for the Silica Polymorph Coesite. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12996-13006	3.4	31
33	Electron distribution and molecular motion in crystalline benzene: an accurate experimental study combining CCD X-ray data on C ₆ H ₆ with multitemperature neutron-diffraction results on C ₆ D ₆ . <i>Chemistry - A European Journal</i> , 2002 , 8, 3512-21	4.8	53
32	Fingerprinting intermolecular interactions in molecular crystals. <i>CrystEngComm</i> , 2002 , 4, 378-392	3.3	2380
31	Basis set choice and basis set superposition error (BSSE) in periodic Hartree-Fock calculations on molecular crystals. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 1518-1523	3.6	52
30	An ab initio study of vibrational corrections to the electrical properties of ethylene. <i>Molecular Physics</i> , 2000 , 98, 855-865	1.7	17
29	Molecular surfaces from the promolecule: A comparison with Hartree-Fock ab initio electron density surfaces. <i>Journal of Computational Chemistry</i> , 2000 , 21, 933-942	3.5	51
28	Contracted basis sets for electrical property calculations derived from Second-order Møller-Plesset theory atomic natural orbitals. <i>Theoretical Chemistry Accounts</i> , 2000 , 104, 385-391	1.9	

27	An ab initio study of vibrational corrections to the electrical properties of ethane. <i>Molecular Physics</i> , 2000 , 98, 867-874	1.7	10
26	An ab initio study of vibrational corrections to the electrical properties of the fluoromethanes: CH ₃ F, CH ₂ F ₂ , CHF ₃ and CF ₄ . <i>Molecular Physics</i> , 2000 , 98, 633-642	1.7	10
25	Influence of intermolecular interactions on multipole-refined electron densities. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1999 , 55, 30-47		53
24	Hydrogen bond energetics from topological analysis of experimental electron densities: Recognising the importance of the promolecule. <i>Chemical Physics Letters</i> , 1999 , 301, 425-429	2.5	83
23	Visualising intermolecular interactions in crystals: naphthalene vs. terephthalic acid. <i>Chemical Communications</i> , 1998 , 2071-2072	5.8	23
22	Hirshfeld Surfaces: A New Tool for Visualising and Exploring Molecular Crystals. <i>Chemistry - A European Journal</i> , 1998 , 4, 2136-2141	4.8	556
21	Chapter 5. Charge densities from X-ray diffraction data. <i>Annual Reports on the Progress of Chemistry Section C</i> , 1998 , 94, 177		30
20	An ab initio study of vibrational corrections to the electrical properties of the second-row hydrides. <i>Molecular Physics</i> , 1997 , 90, 251-264	1.7	51
19	A novel definition of a molecule in a crystal. <i>Chemical Physics Letters</i> , 1997 , 267, 215-220	2.5	787
18	Accurate ab initio study of acetylene Vibrational and rotational corrections to electrical properties. <i>Molecular Physics</i> , 1996 , 88, 1109-1136	1.7	35
17	Potential derived charges using a geodesic point selection scheme 1996 , 17, 1-18		110
16	Vibrational averaging of electrical properties. <i>Molecular Physics</i> , 1995 , 84, 1239-1255	1.7	75
15	The determination of electric field gradients from X-ray diffraction data. <i>Molecular Physics</i> , 1994 , 83, 551-566	1.7	14
14	Accurate prediction of static dipole polarizabilities with moderately sized basis sets. <i>Molecular Physics</i> , 1994 , 82, 193-209	1.7	48
13	Anisotropic molecular polarizabilities, dipole moments, and quadrupole moments of (CH ₂) ₂ X, (CH ₃) ₂ X, and C ₄ H ₄ X (X = O, S, Se). Comparison of experimental results and ab initio calculations. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 7301-7307		54
12	Ab initio cluster calculations of the electron density and electric field gradient in corundum. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 9200-9204		9
11	Time-dependent Hartree-Fock second-order molecular properties with a moderately sized basis set. II. Dispersion coefficients. <i>Journal of Chemical Physics</i> , 1991 , 94, 1295-1305	3.9	36
10	Time-dependent Hartree-Fock second-order molecular properties with a moderately sized basis set. I. The frequency dependence of the dipole polarizability. <i>Journal of Chemical Physics</i> , 1991 , 94, 1288-1294	3.9	53

9	Accurate prediction of static dipole polarizabilities with moderately sized basis sets. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 7594-7603		219
8	Ab initio SCF and MP2 calculations of the frequency dependence of the polarizability of cyclohexane. <i>Chemical Physics Letters</i> , 1989 , 161, 285-290	2.5	13
7	Electrostatic potential in dehydrated zeolite NaA from low-resolution x-ray diffraction data. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 794-796		29
6	A simple quantitative model of hydrogen bonding: application to more complex systems. <i>The Journal of Physical Chemistry</i> , 1987 , 91, 3179-3186		51
5	Atom-atom potentials via electron gas theory. <i>Journal of Chemical Physics</i> , 1986 , 85, 6579-6586	3.9	156
4	A simple quantitative model of hydrogen bonding. <i>Journal of Chemical Physics</i> , 1986 , 85, 6587-6601	3.9	190
3	Electrostatic Potentials in Crystals 1981 , 407-425		17
2	Global Analysis of the Mechanical Properties of Organic Crystals. <i>Angewandte Chemie</i> ,	3.6	5
1	Accurate ab initio study of acetylene Vibrational and rotational corrections to electrical properties		3