Juha Vaara

List of Publications by Year
in descending order

139 papers	4,953 citations	94269 37 h-index	114278 63 g-index
144 all docs	144 docs citations	144 times ranked	2715 citing authors

#	Article	IF	Citations
1	Au32: A 24-Carat Golden Fullerene. Angewandte Chemie - International Edition, 2004, 43, 2678-2681.	7.2	285
2	Theory and computation of nuclear magnetic resonance parameters. Physical Chemistry Chemical Physics, 2007, 9, 5399.	1.3	226
3	Density Functional Calculations of Electronicg-Tensors Using Spinâˆ’Orbit Pseudopotentials and Mean-Field All-Electron Spinâˆ’Orbit Operators. Journal of the American Chemical Society, 2000, 122, 9206-9218.	6.6	222
4	Spinâ€“spin coupling tensors as determined by experiment and computational chemistry. Progress in Nuclear Magnetic Resonance Spectroscopy, 2002, 41, 233-304.	3.9	169
5	Perturbationalab initiocalculations of relativistic contributions to nuclear magnetic resonance shielding tensors. Journal of Chemical Physics, 2003, 119, 2623-2637.	1.2	124
6	Rovibrational effects, temperature dependence, and isotope effects on the nuclear shielding tensors of water: A new 17O absolute shielding scale. Journal of Chemical Physics, 1998, 109, 8388-8397.	1.2	115
7	Leading-order relativistic effects on nuclear magnetic resonance shielding tensors. Journal of Chemical Physics, 2005, 122, 114107.	1.2	113
8	Nuclear Magnetic Resonance Chemical Shift in an Arbitrary Electronic Spin State. Physical Review Letters, 2008, 100, 133002.	2.9	111
9	Relativistic, nearly basis-set-limit nuclear magnetic shielding constants of the rare gases Heâ€“Rn: A way to absolute nuclear magnetic resonance shielding scales. Journal of Chemical Physics, 2003, 118, 2973-2976.	1.2	109
10	Study of relativistic effects on nuclear shieldings using density-functional theory and spinâ€“orbit pseudopotentials. Journal of Chemical Physics, 2001, 114, 61.	1.2	101
11	Quadratic response calculations of the electronic spin-orbit contribution to nuclear shielding tensors. Journal of Chemical Physics, 1998, 109, 1212-1222.	1.2	97
12	Density Functional Calculations of Electronic g-Tensors for Semiquinone Radical Anions. The Role of Hydrogen Bonding and Substituent Effects. Journal of the American Chemical Society, 2002, 124, 2709-2722.	6.6	94
13	Relativistic spin-orbit effects on hyperfine coupling tensors by density-functional theory. Journal of Chemical Physics, 2004, 120, 2127-2139.	1.2	89
14	Experimental and TheoreticalabInitioStudy of the13Câˆ’13C Spinâˆ’Spin Coupling and1H and13C Shielding Tensors in Ethane, Ethene, and Ethyne. Journal of the American Chemical Society, 1998, 120, 3993-4005.	6.6	86
15	Systematic Gaussian basis-set limit using completeness-optimized primitive sets. A case for magnetic properties. Journal of Computational Chemistry, 2006, 27, 434-445.	1.5	75
16	Second- and third-order spin-orbit contributions to nuclear shielding tensors. Journal of Chemical Physics, 1999, 111, 2900-2909.	1.2	74
17	Calculations of nuclear magnetic shielding in paramagnetic molecules. Journal of Chemical Physics, 2003, 118, 2550.	1.2	71
18	Spinâ€“spin coupling tensors by density-functional linear response theory. Journal of Chemical Physics, 2002, 117, 5998-6009.	1.2	70

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19	Magnetic Couplings in the Chemical Shift of Paramagnetic NMR. Journal of Chemical Theory and Computation, 2015, 11, 4840-4849.	2.3	69
20	Spinâ^'Orbit Effects on Hyperfine Coupling Tensors in Transition Metal Complexes Using Hybrid Density Functionals and Accurate Spinâ^'Orbit Operators. Journal of Physical Chemistry A, 2004, 108, 5026-5033.	1.1	62
21	Nuclear Magnetic Shielding and Quadrupole Coupling Tensors in Liquid Water:Â A Combined Molecular Dynamics Simulation and Quantum Chemical Study. Journal of the American Chemical Society, 2004, 126, 11093-11102.	6.6	60
22	Toward Calculations of the ¹²⁹Xe Chemical Shift in Xe@C₆₀ at Experimental Conditions:â€‰ Relativity, Correlation, and Dynamics. Journal of Physical Chemistry A, 2008, 112, 2658-2668.	1.1	60
23	13Câ^'13C Spinâ^'Spin Coupling Tensors in Benzene As Determined Experimentally by Liquid Crystal NMR and Theoretically byab InitioCalculations. Journal of the American Chemical Society, 1996, 118, 8879-8886.	6.6	56
24	Perturbational and ECP Calculation of Relativistic Effects in NMR Shielding and Spin-Spin Coupling. , 2004, , 209-226.		54
25	Carbon and proton shielding tensors in methyl halides. Physical Chemistry Chemical Physics, 2010, 12, 2679.	1.3	52
26	¹H Chemical Shifts in Paramagnetic Co(II) Pyrazolylborate Complexes: A First-Principles Study. Journal of Chemical Theory and Computation, 2015, 11, 1683-1691.	2.3	52
27	Pseudoâ€Contact NMR Shifts over the Paramagnetic Metalloprotein CoMMPâ€12 from First Principles. Angewandte Chemie - International Edition, 2016, 55, 14713-14717.	7.2	51
28	Density-functional calculations of relativistic spin-orbit effects on nuclear magnetic shielding in paramagnetic molecules. Journal of Chemical Physics, 2005, 123, 174102.	1.2	50
29	NMR Properties of Formamide:â€‰ A First Principles and Experimental Study. Journal of Physical Chemistry A, 1997, 101, 5069-5081.	1.1	48
30	Correlated response calculations of the spin-orbit interaction contribution to nuclear spin-spin couplings. Journal of Computational Chemistry, 1999, 20, 1314-1327.	1.5	48
31	Relativistic heavy-atom effects on heavy-atom nuclear shieldings. Journal of Chemical Physics, 2006, 125, 184113.	1.2	48
32	A London-type formula for the dispersion interactions of endohedral A@B systems. Physical Chemistry Chemical Physics, 2007, 9, 2954.	1.3	48
33	Understanding the NMR chemical shifts for 6-halopurines: role of structure, solvent and relativistic effects. Physical Chemistry Chemical Physics, 2010, 12, 5126.	1.3	44
34	Calculation of binary magnetic properties and potential energy curve in xenon dimer: Second virial coefficient of 129Xe nuclear shielding. Journal of Chemical Physics, 2004, 121, 5908-5919.	1.2	40
35	Chemical Distinction by Nuclear Spin Optical Rotation. Physical Review Letters, 2010, 105, 153001.	2.9	39
36	Exploring the Stability of Golden Fullerenes. Journal of Physical Chemistry C, 2008, 112, 19311-19315.	1.5	37

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37	Relativistic effects in the intermolecular interaction-induced nuclear magnetic resonance parameters of xenon dimer. Journal of Chemical Physics, 2007, 127, 164313.	1.2	36
38	Theoretical predictions of nuclear magnetic resonance parameters in a novel organo-xenon species: Chemical shifts and nuclear quadrupole couplings in HXeCCH. Journal of Chemical Physics, 2007, 127, 234314.	1.2	36
39	Perturbational calculations of parity-violating effects in nuclear-magnetic-resonance parameters. Journal of Chemical Physics, 2005, 123, 054501.	1.2	35
40	Relativistic effects on group-12 metal nuclear shieldings. Physical Chemistry Chemical Physics, 2011, 13, 21016.	1.3	35
41	Application of Self-Organizing Maps in Conformational Analysis of Lipids. Journal of the American Chemical Society, 2001, 123, 810-816.	6.6	33
42	Xe129 chemical shift by the perturbational relativistic method: Xenon fluorides. Journal of Chemical Physics, 2007, 127, 084312.	1.2	33
43	Internuclear distance dependence of the spinâ€“orbit coupling contributions to proton NMR chemical shifts. Chemical Physics Letters, 1998, 295, 455-461.	1.2	32
44	Exploring new 129Xe chemical shift ranges in HXeY compounds: hydrogen more relativistic than xenon. Physical Chemistry Chemical Physics, 2012, 14, 10944.	1.3	32
45	Dynamics and magnetic resonance properties of Sc3C2@C80 and its monoanion. Physical Chemistry Chemical Physics, 2008, 10, 7158.	1.3	31
46	Observation of Optical Chemical Shift by Precision Nuclear Spin Optical Rotation Measurements and Calculations. Journal of Physical Chemistry Letters, 2013, 4, 437-441.	2.1	30
47	Isotope and temperature effects on the 13C and 77Se nuclear shielding in carbon diselenide. Journal of Chemical Physics, 1997, 107, 1350-1361.	1.2	29
48	Density Functional Calculations of 3He Chemical Shift in Endohedral Helium Fullerenes:â€‰ Neutral, Anionic, and Di-Helium Species. Journal of Physical Chemistry A, 2006, 110, 12338-12341.	1.1	29
49	Indirect Fluorine Coupling Anisotropies inp-Difluorobenzene:Â Implications to Orientation and Structure Determination of Fluorinated Liquid Crystals. Journal of Physical Chemistry A, 1999, 103, 5675-5684.	1.1	28
50	14N and 2H NMR Study of the Mesophases of Cetyltrimethylammonium Bromide in Formamide. Journal of Physical Chemistry B, 1997, 101, 32-38.	1.2	27
51	NMR tensors in planar hydrocarbons of increasing size. Physical Chemistry Chemical Physics, 2009, 11, 11404.	1.3	27
52	Nuclear Magnetic Resonance Chemical Shifts and Quadrupole Couplings for Different Hydrogen-Bonding Cases Occurring in Liquid Water:Â A Computational Study. Journal of Physical Chemistry A, 2007, 111, 182-192.	1.1	26
53	Laser-induced nuclear magnetic resonance splitting in hydrocarbons. Journal of Chemical Physics, 2008, 129, 124102.	1.2	26
54	Toward Reproducing Sequence Trends in Phosphorus Chemical Shifts for Nucleic Acids by MD/DFT Calculations. Journal of Chemical Theory and Computation, 2013, 9, 1641-1656.	2.3	26

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55	Nuclear magnetic resonance predictions for graphenes: concentric finite models and extrapolation to large systems. Physical Chemistry Chemical Physics, 2013, 15, 4634.	1.3	26
56	Relativistic Approximations to Paramagnetic NMR Chemical Shift and Shielding Anisotropy in Transition Metal Systems. Journal of Chemical Theory and Computation, 2017, 13, 3731-3745.	2.3	26
57	Vibrationally averaged magnetizabilities and rotational g tensors of the water molecule. Chemical Physics Letters, 1998, 297, 467-474.	1.2	25
58	Spin-Spin Coupling Tensors in Fluoromethanes. Chemistry - A European Journal, 2000, 6, 1395-1406.	1.7	25
59	Relativistic Spinâ^'Orbit Coupling Effects on Secondary Isotope Shifts of13C Nuclear Shielding in CX2(X) Tj ETQq1 1 0.784314 rgBT /Ov	6.6	25
60	Characteristic Spinâ^'Orbit Induced ¹H(CH₂) Chemical Shifts upon Deprotonation of Group 9 Polyamine Aqua and Alcohol Complexes. Journal of the American Chemical Society, 2009, 131, 11909-11918.	6.6	25
61	Ferrocene-like iron bis(dicarbollide), [3-FeIII-(1,2-C2B9H11)2]â^'. The first experimental and theoretical refinement of a paramagnetic 11B NMR spectrum. Physical Chemistry Chemical Physics, 2010, 12, 7018.	1.3	25
62	Rovibrationally Averaged Nuclear Shielding Constants in OCS. Journal of Magnetic Resonance, 1998, 135, 444-453.	1.2	24
63	Xe129 adsorbed in AlPO4-11 molecular sieve: Molecular dynamics simulation of adsorbate dynamics and NMR chemical shift. Journal of Chemical Physics, 1997, 107, 6470-6478.	1.2	23
64	Pairwise additivity in the nuclear magnetic resonance interactions of atomic xenon. Physical Chemistry Chemical Physics, 2009, 11, 2485.	1.3	23
65	Fully Relativistic Calculations of Faraday and Nuclear Spin-Induced Optical Rotation in Xenon. Journal of Chemical Theory and Computation, 2012, 8, 91-98.	2.3	23
66	Magnetic field dependence of nuclear magnetic shielding in closed-shell atomic systems. Chemical Physics Letters, 2003, 372, 750-757.	1.2	22
67	Calculations of nuclear quadrupole coupling in noble gasâ€“noble metal fluorides: Interplay of relativistic and electron correlation effects. Journal of Chemical Physics, 2006, 125, 174315.	1.2	22
68	Electron spin resonance parameters of bulk oxygen vacancy in semiconducting tin dioxide. Physical Review B, 2010, 81, .	1.1	21
69	Nuclear spin optical rotation and Faraday effect in gaseous and liquid water. Journal of Chemical Physics, 2012, 136, 184502.	1.2	21
70	Effect of correlating core orbitals in calculations of nuclear spinâ€“spin couplings. Journal of Chemical Physics, 2001, 114, 5482-5490.	1.2	20
71	Nuclear spin circular dichroism. Journal of Chemical Physics, 2014, 140, 134103.	1.2	20
72	Density Functional Theory Calculations of Electron Paramagnetic Resonance Parameters of a Nitroxide Spin Label in Tissue Factor and Factor VIIa Protein Complex. Journal of Physical Chemistry B, 2002, 106, 12354-12360.	1.2	19

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73	Magnetic-field dependence of59Conuclear magnetic shielding in Co(III) complexes. Physical Review A, 2004, 69, .	1.0	19
74	Magnetic Properties of Ni²⁺(aq) from First Principles. Journal of Chemical Theory and Computation, 2011, 7, 3248-3260.	2.3	19
75	Nuclear spin-induced Cotton-Mouton effect in molecules. Journal of Chemical Physics, 2013, 138, 204110.	1.2	19
76	Magnetic-Field-Induced Quadrupole Splitting in Gaseous and LiquidX131eNMR: Quadratic and Quartic Field Dependence. Physical Review Letters, 2001, 86, 3268-3271.	2.9	18
77	Methodological aspects in the calculation of parity-violating effects in nuclear magnetic resonance parameters. Journal of Chemical Physics, 2007, 126, 074107.	1.2	18
78	13C NMR spectroscopy of methane adsorbed in SAPO-11 molecular sieve. Chemical Physics Letters, 1996, 261, 425-430.	1.2	17
79	Perturbational relativistic theory of electron spin resonance g-tensor. Journal of Chemical Physics, 2004, 121, 1258-1265.	1.2	17
80	Charge localization in alcohol isomers studied by Compton scattering. Journal of Chemical Physics, 2009, 130, 034506.	1.2	17
81	Nuclear spin relaxation due to chemical shift anisotropy of gas-phase 129Xe. Physical Chemistry Chemical Physics, 2011, 13, 13704.	1.3	17
82	Faraday Rotation in Graphene Quantum Dots: Interplay of Size, Perimeter Type, and Functionalization. Journal of Physical Chemistry C, 2014, 118, 23996-24005.	1.5	17
83	Assignment of solid-state 13 C and 1 H NMR spectra of paramagnetic Ni(II) acetylacetonate complexes aided by first-principles computations. Solid State Nuclear Magnetic Resonance, 2017, 87, 29-37.	1.5	17
84	Calculation of isotropic Compton profiles with Gaussian basis sets. Physical Chemistry Chemical Physics, 2011, 13, 5630.	1.3	16
85	Anisotropy of the 1H and 13C shielding tensors in chloroform. Chemical Physics Letters, 1996, 253, 340-348.	1.2	15
86	Laser-induced splittings in the nuclear magnetic resonance spectra of the rare gas atoms. Chemical Physics Letters, 2004, 400, 226-230.	1.2	15
87	Comment on â€œCalculation of nuclear magnetic shieldings using an analytically differentiated relativistic shielding formulaâ€•[J. Chem. Phys. 123, 114102 (2005)]. Journal of Chemical Physics, 2006, 124, 137101.	1.2	15
88	Characterization of pore structures of hydrated cements and natural shales by 129 Xe NMR spectroscopy. Microporous and Mesoporous Materials, 2017, 253, 49-54.	2.2	15
89	Surface relaxation of the (100) face of wurtzite CdS. Surface Science, 1996, 352-354, 77-82.	0.8	14
90	Constant-pressure simulations of Gayâ€“Berne liquid-crystalline phases in cylindrical nanocavities. Physical Chemistry Chemical Physics, 2013, 15, 14047.	1.3	14

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91	Xenon NMR of liquid crystals confined to cylindrical nanocavities: a simulation study. Physical Chemistry Chemical Physics, 2015, 17, 7158-7171.	1.3	14
92	Pseudoâ€Contact NMR Shifts over the Paramagnetic Metalloprotein CoMMPâ€12 from First Principles. Angewandte Chemie, 2016, 128, 14933-14937.	1.6	14
93	Ab initio paramagnetic NMR shifts via point-dipole approximation in a large magnetic-anisotropy Co(ii) complex. Physical Chemistry Chemical Physics, 2018, 20, 22547-22555.	1.3	14
94	Experimental and quantum-chemical determination of the2H quadrupole coupling tensor in deuterated benzenes. Physical Chemistry Chemical Physics, 2007, 9, 481-490.	1.3	13
95	Nuclear spin-spin coupling in a van der Waals-bonded system: Xenon dimer. Journal of Chemical Physics, 2013, 138, 104313.	1.2	13
96	Communication: Nuclear quadrupole moment-induced Cotton-Mouton effect in noble gas atoms. Journal of Chemical Physics, 2013, 139, 181102.	1.2	13
97	Curie-type paramagnetic NMR relaxation in the aqueous solution of Ni(<scp>ii</scp>). Physical Chemistry Chemical Physics, 2014, 16, 6916-6924.	1.3	13
98	Spin dynamics simulation of electron spin relaxation in Ni2 +(aq). Journal of Chemical Physics, 2014, 141, 014109.	1.2	12
99	Spin Doublet Point Defects in Graphenes: Predictions for ESR and NMR Spectral Parameters. Journal of Chemical Theory and Computation, 2015, 11, 3746-3754.	2.3	12
100	Remarkable reversal of ¹³C-NMR assignment in d¹, d² compared to d⁸, d⁹ acetylacetonate complexes: analysis and explanation based on solid-state MAS NMR and computations. Physical Chemistry Chemical Physics, 2020, 22, 8048-8059.	1.3	12
101	Computational and experimental study of NMR relaxation of quadrupolar noble gas nuclei in organic solvents. Molecular Physics, 1994, 82, 13-27.	0.8	11
102	Deuterium quadrupole coupling tensors in methyl halides:Ab initioeffective core potential and liquid crystal nuclear magnetic resonance study. Journal of Chemical Physics, 1997, 107, 1744-1752.	1.2	11
103	Experimental and Theoretical Study of the Spinâ^'Spin Coupling Tensors in Methylsilane. Journal of Physical Chemistry A, 1999, 103, 9669-9677.	1.1	11
104	Nuclear magnetic resonance parameters of atomic xenon dissolved in Gay-Berne model liquid crystal. Physical Review E, 2007, 75, 031707.	0.8	11
105	Solvation Structure and Dynamics of Ni²⁺(aq) from First Principles. Journal of Chemical Theory and Computation, 2011, 7, 2937-2946.	2.3	11
106	Nuclear quadrupole moment-induced Cotton-Mouton effect in molecules. Journal of Chemical Physics, 2014, 140, 024103.	1.2	11
107	Characteristic Spectral Patterns in the Carbonâ€13 Nuclear Magnetic Resonance Spectra of Hexagonal and Crenellated Graphene Fragments. ChemPhysChem, 2014, 15, 1799-1808.	1.0	11
108	Nuclearâ€Spinâ€Induced Cottonâ€“Mouton Effect in a Strong External Magnetic Field. ChemPhysChem, 2014, 15, 2337-2350.	1.0	10

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109	Paramagnetic Pyrazolylborate Complexes Tp₂M and Tp*₂M: ¹H, ¹³C, ¹¹B, and ¹⁴N NMR Spectra and First-Principles Studies of Chemical Shifts. Inorganic Chemistry, 2020, 59, 9294-9307.	1.9	10
110	13CNMR of methane in anAlPO4â"11molecular sieve: Exchange effects and shielding anisotropy. Physical Review B, 1998, 58, 14833-14836.	1.1	9
111	Nuclear spin circular dichroism in fullerenes: a computational study. Chemical Communications, 2014, 50, 15228-15231.	2.2	9
112	Chemical shift extremum of 129Xe(aq) reveals details of hydrophobic solvation. Scientific Reports, 2018, 8, 7023.	1.6	9
113	Influence of Hydrogen Bonding in the Paramagnetic NMR Shieldings of Nitronylnitroxide Derivative Molecules. Journal of Physical Chemistry B, 2004, 108, 1197-1206.	1.2	8
114	19F spinâ€"spin coupling in peri-difluoronaphthalene. Physical Chemistry Chemical Physics, 2009, 11, 4136.	1.3	8
115	Rovibrational effects on NMR shieldings in a heavy-element system: XeF2. Journal of Chemical Physics, 2012, 137, 214309.	1.2	8
116	Experimental and First-Principles NMR Analysis of Pt(II) Complexes With O,Oâ€²-Dialkyldithiophosphate Ligands. Journal of Physical Chemistry A, 2016, 120, 8326-8338.	1.1	8
117	Liquid-state paramagnetic relaxation from first principles. Physical Review A, 2016, 94, .	1.0	8
118	Paramagnetic Enhancement of Nuclear Spinâ€"Spin Coupling. Journal of Chemical Theory and Computation, 2017, 13, 1275-1283.	2.3	8
119	Calculation of scalar nuclear spin-spin coupling in a noble-gas mixture. Physical Review A, 2019, 99, .	1.0	8
120	Effects of two double bonds on the hydrocarbon interior of a phospholipid bilayer. Chemical Physics Letters, 1995, 246, 300-306.	1.2	7
121	Inequivalence of single CHa and CHb methylene bonds in the interior of a diunsaturated lipid bilayer from a molecular dynamics simulation. Chemical Physics Letters, 1997, 268, 55-60.	1.2	7
122	Chemical Shift in Paramagnetic Systems. Science and Technology of Atomic, Molecular, Condensed Matter and Biological Systems, 2013, , 41-67.	0.6	7
123	Magnetic field-induced nuclear quadrupole coupling in atomic¹³¹Xe. Molecular Physics, 2013, 111, 1390-1400.	0.8	7
124	Solvation chemical shifts of perylenic antenna molecules from molecular dynamics simulations. Physical Chemistry Chemical Physics, 2014, 16, 22309-22320.	1.3	7
125	Nuclear magnetic resonance parameters in water dimer. Theoretical Chemistry Accounts, 2011, 129, 313-324.	0.5	6
126	Electron correlation and relativistic effects in the secondary NMR isotope shifts of CSe2. Physical Chemistry Chemical Physics, 2013, 15, 17468.	1.3	6

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127	Nuclear spinâ€“spin coupling anisotropy in the van der Waals-bonded 129Xe dimer. Physical Chemistry Chemical Physics, 2013, 15, 11427.	1.3	6
128	Electron and nuclear spin polarization in Rb-Xe spin-exchange optical hyperpolarization. Physical Review A, 2017, 95, .	1.0	6
129	Ratcheting rotation or speedy spinning: EPR and dynamics of Sc₃C₂@C₈₀. Chemical Communications, 2017, 53, 8992-8995.	2.2	6
130	Relation between molecular electronic structure and nuclear spin-induced circular dichroism. Scientific Reports, 2017, 7, 46617.	1.6	6
131	Magnetic-field-induced quadrupole coupling in the nuclear magnetic resonance of noble-gas atoms and molecules. Physical Review A, 2004, 70, .	1.0	5
132	Effect of molecular size on the parity-non-conserving contributions to the nuclear magnetic resonance shielding constant. Theoretical Chemistry Accounts, 2008, 121, 53-57.	0.5	5
133	Energetics and exchange of xenon and water in a prototypic cryptophane-A biosensor structure. Physical Chemistry Chemical Physics, 2022, 24, 17946-17950.	1.3	5
134	Direct magnetic-field dependence of NMR chemical shift. Physical Chemistry Chemical Physics, 2020, 22, 8485-8490.	1.3	4
135	Brownian Translational Dynamics on a Flexible Surface: Nuclear Spin Relaxation of Fluid Membrane Phases. Langmuir, 2018, 34, 3755-3766.	1.6	2
136	Solvation structure and dynamics of Ni2+(aq) from a polarizable force field. Chemical Physics, 2014, 443, 112-122.	0.9	1
137	Polarization transfer in a spin-exchange optical-pumping experiment. Physical Review A, 2020, 102, .	1.0	1
138	Au32: A 24-Carat Golden Fullerene.. ChemInform, 2004, 35, no.	0.1	0
139	Direct enantiomeric discrimination through antisymmetric hyperfine coupling. Chemical Communications, 2021, 57, 8264-8267.	2.2	0