

Pekka Manninen

List of Publications by Year in descending order

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22
papers

797
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbationalab initio calculations of relativistic contributions to nuclear magnetic resonance shielding tensors. <i>Journal of Chemical Physics</i> , 2003, 119, 2623-2637.	3.0	124
2	Leading-order relativistic effects on nuclear magnetic resonance shielding tensors. <i>Journal of Chemical Physics</i> , 2005, 122, 114107.	3.0	113
3	Linear-scaling implementation of molecular electronic self-consistent field theory. <i>Journal of Chemical Physics</i> , 2007, 126, 114110.	3.0	78
4	Systematic Gaussian basis-set limit using completeness-optimized primitive sets. A case for magnetic properties. <i>Journal of Computational Chemistry</i> , 2006, 27, 434-445.	3.3	75
5	Perturbational and ECP Calculation of Relativistic Effects in NMR Shielding and Spin-Spin Coupling., 2004, , 209-226.		54
6	Perturbational calculations of parity-violating effects in nuclear-magnetic-resonance parameters. <i>Journal of Chemical Physics</i> , 2005, 123, 054501.	3.0	35
7	General biorthogonal projected bases as applied to second-order MÅller-Plesset perturbation theory. <i>Journal of Chemical Physics</i> , 2007, 127, 074106.	3.0	30
8	NMR tensors in planar hydrocarbons of increasing size. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11404.	2.8	27
9	Laser-induced nuclear magnetic resonance splitting in hydrocarbons. <i>Journal of Chemical Physics</i> , 2008, 129, 124102.	3.0	26
10	Magnetic field dependence of nuclear magnetic shielding in closed-shell atomic systems. <i>Chemical Physics Letters</i> , 2003, 372, 750-757.	2.6	22
11	Magnetic-field dependence of ⁵⁹ Co nuclear magnetic shielding in Co(III) complexes. <i>Physical Review A</i> , 2004, 69, .	2.5	19
12	Completeness-optimized basis sets: Application to ground-state electron momentum densities. <i>Journal of Chemical Physics</i> , 2012, 137, 104105.	3.0	19
13	Methodological aspects in the calculation of parity-violating effects in nuclear magnetic resonance parameters. <i>Journal of Chemical Physics</i> , 2007, 126, 074107.	3.0	18
14	Contraction of completeness-optimized basis sets: Application to ground-state electron momentum densities. <i>Journal of Chemical Physics</i> , 2013, 138, 044109.	3.0	18
15	Perturbational relativistic theory of electron spin resonance g-tensor. <i>Journal of Chemical Physics</i> , 2004, 121, 1258-1265.	3.0	17
16	Volatile oil analysis of <i>Thymus vulgaris</i> L. by directly coupled SFE/GC. <i>Journal of Separation Science</i> , 1992, 4, 3-7.	1.0	16
17	Comment on "Calculation of nuclear magnetic shieldings using an analytically differentiated relativistic shielding formula" [J. Chem. Phys. 123, 114102 (2005)]. <i>Journal of Chemical Physics</i> , 2006, 124, 137101.	3.0	15
18	Separation of several metal chelates by capillary supercritical fluid chromatography. <i>Journal of High Resolution Chromatography</i> , 1991, 14, 210-211.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Vibrational effects in the parity-violating contributions to the isotropic nuclear magnetic resonance chemical shift. <i>Chemical Physics Letters</i> , 2009, 470, 166-171.	2.6	11
20	Magnetic-field-induced quadrupole coupling in the nuclear magnetic resonance of noble-gas atoms and molecules. <i>Physical Review A</i> , 2004, 70, .	2.5	5
21	Effect of molecular size on the parity-non-conserving contributions to the nuclear magnetic resonance shielding constant. <i>Theoretical Chemistry Accounts</i> , 2008, 121, 53-57.	1.4	5
22	Parity-violating effects in electron spin resonance g-tensors. <i>Chemical Physics Letters</i> , 2006, 433, 37-42.	2.6	4