

Roger A Hegstrom

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/474317/publications.pdf>

Version: 2024-02-01

25
papers

932
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Incompatible Variables and "Quantal" Phenomena in Psychology. Journal of the North Carolina Academy of Science, 2011, 127, 18-27.	0.2	0
2	Bragg Diffraction and the Interference of Two Atom Lasers: An Analogy. ACS Symposium Series, 2002, , 177-183.	0.5	0
3	A model of quantum measurement in Josephson junctions. Foundations of Physics, 1995, 25, 681-700.	1.3	6
4	Electron chirality. Computational and Theoretical Chemistry, 1991, 232, 17-21.	1.5	20
5	The Handedness of the Universe. Scientific American, 1990, 262, 108-115.	1.0	220
6	Parity violation and chiral symmetry breaking of a racemic mixture. BioSystems, 1987, 20, 49-56.	2.0	15
7	Weak neutral current and \hat{I}^2 radiolysis effects on the origin of biomolecular chirality. Nature, 1985, 315, 749-750.	27.8	40
8	Parity nonconservation and the origin of biological chirality: Theoretical calculations. Origins of Life and Evolution of Biospheres, 1984, 14, 405-411.	0.6	20
9	\hat{I}^2 Decay and the origins of biological chirality: theoretical results. Nature, 1982, 297, 643-647.	27.8	94
10	g factors and related magnetic properties of molecules. Formulation of theory and calculations for H_2^+ , HD^+ , and D_2^+ . Physical Review A, 1979, 19, 17-30.	2.5	44
11	Reinterpretation of the "relativistic mass" correction to the spin magnetic moment of a moving particle. Physical Review A, 1977, 15, 1797-1800.	2.5	2
12	Effect of nuclear mass on $g_J(He, 2S12)$. Physical Review A, 1976, 14, 1574-1575.	2.5	5
13	A simple relationship between the nuclear magnetic shielding tensor and the electronic g tensor. Chemical Physics Letters, 1975, 36, 548-550.	2.6	6
14	Magnetic moment of atomic lithium. Physical Review A, 1975, 11, 421-426.	2.5	30
15	Relativistic and Radiative Interactions of Many-Electron Atoms in an External Magnetic Field. Physical Review A, 1973, 8, 2771-2776.	2.5	6
16	Nuclear-Mass and Anomalous-Moment Corrections to the Hamiltonian for an Atom in a Constant External Magnetic Field. Physical Review A, 1973, 7, 451-456.	2.5	53
17	Calculation of the g_J Factor for the $2S13$ State of Helium. Physical Review A, 1973, 8, 1166-1168.	2.5	14
18	Hydrogenic Atoms in a Magnetic Field. Physical Review A, 1971, 4, 59-69.	2.5	175

#	ARTICLE	IF	CITATIONS
19	Relativistic Treatment of the Shielding of the Electron and Proton Magnetic Dipole Moments in Atomic Hydrogen.. Physical Review A, 1970, 1, 536-537.	2.5	6
20	Relativistic Treatment of the Shielding of the Electron and Proton Magnetic Dipole Moments in Atomic Hydrogen. Physical Review, 1969, 184, 17-22.	2.7	24
21	Paramagnetism in Closed-Shell Molecules. Reviews of Modern Physics, 1968, 40, 354-358.	45.6	46
22	Optimized Minimum Basis Set for BH ₄ ⁻ . Journal of Chemical Physics, 1967, 46, 920-922.	3.0	19
23	Approximate Theories of Chemical Shift. Journal of Chemical Physics, 1967, 46, 1594-1597.	3.0	17
24	Calculation of Magnetic Susceptibility and Proton Shielding in Methane. Journal of Chemical Physics, 1967, 46, 4538-4540.	3.0	7
25	Magnetic Properties of the BH Molecule. Journal of Chemical Physics, 1966, 45, 2378-2383.	3.0	63