GraÅ¼yna Staszewska

List of Publications by Year
in descending order

21 papers	724 citations	933264 10 h-index	713332 21 g-index
22 all docs	22 docs citations	22 times ranked	287 citing authors

#	Article	IF	Citations
1	Quasifree-scattering model for the imaginary part of the optical potential for electron scattering. Physical Review A, 1983, 28, 2740-2751.	1.0	247
2	Investigation of the shape of the imaginary part of the optical-model potential for electron scattering by rare gases. Physical Review A, 1984, 29, 3078-3091.	1.0	193
3	Validation of Theoretical Methods for the Structure and Energy of Aluminum Clusters. Journal of Physical Chemistry B, 2004, 108, 4850-4861.	1.2	72
4	Complex optical potential model for electron–molecule scattering, elastic scattering, and rotational excitation of H2at 10–100 eV. Journal of Chemical Physics, 1984, 81, 335-343.	1.2	48
5	Convergence of L2 methods for scattering problems. Journal of Chemical Physics, 1987, 86, 2793-2804.	1.2	39
6	Analytic Potential Energy Functions for Aluminum Clusters. Journal of Physical Chemistry B, 2004, 108, 8996-9010.	1.2	24
7	Rapid convergence of discrete-basis representations of the amplitude density for quantal scattering calculations. Chemical Physics Letters, 1986, 130, 341-345.	1.2	23
8	Transition Moments betweenw3ΠgState and the First Three3Σuand3ΠuStates of the Hydrogen Molecule€. Journal of Physical Chemistry A, 2001, 105, 2308-2311.	1.1	12
9	On an improved model of a complex optical potential for electron elastic scattering. Journal of Electron Spectroscopy and Related Phenomena, 2008, 168, 40-43.	0.8	11
10	Dispersion-equation approach to obtaining polarization potentials for quantum-mechanical electron-scattering calculations. Physical Review A, 1983, 28, 169-175.	1.0	10
11	Many-body tight-binding model for aluminum nanoparticles. Physical Review B, 2005, 71, .	1.1	10
12	Tight-Binding Configuration Interaction (TBCI): A Noniterative Approach to Incorporating Electrostatics into Tight Binding. Journal of Chemical Theory and Computation, 2008, 4, 804-818.	2.3	9
13	Energy–adapted basis sets for quantal scattering calculations. Journal of Chemical Physics, 1987, 86, 1646-1648.	1.2	6
14	Effective non-empirical absorption potentials based on quasifree-scattering model. Journal of Electron Spectroscopy and Related Phenomena, 2008, 162, 56-66.	0.8	6
15	Effective exchange potentials for electronically inelastic scattering. Journal of Chemical Physics, 1983, 78, 275-279.	1.2	4
16	Time evolution of the wave packet of a continuously observed free quantum particle. Physical Review A, 1999, 60, 687-691.	1.0	3
17	Transient Effects for Continuously Observed Quantum Particle II. Open Systems and Information Dynamics, 2000, 7, 77-89.	0.5	2
18	The Study of a Continuously Observed Quantum Particle. Physica Scripta, 2000, 62, 117-122.	1.2	2

#	Article	IF	Citations
19	A coherent state undergoing a continuous nondemolition observation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 287, 19-22.	0.9	1
20	Local effective polarization and absorption potentials from cross-sections for eâ€"atom scattering. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6925-6929.	0.9	1
21	Optical model for electron scattering by ar at 30-3000 eV: Test of the adiabatic model for charge polarization and a quasi-free scattering model for inelastic effects. International Journal of Quantum Chemistry, 2009, 24, 163-176.	1.0	0