

Michael Bromley

List of Publications by Year in descending order

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58
papers

1,528
citations

257101

24
h-index

315357

38
g-index

60
all docs

60
docs citations

60
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Positron and positronium binding to atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, R81-R116.	0.6	170
2	Semiempirical calculation of van der Waals coefficients for alkali-metal and alkaline-earth-metal atoms. Physical Review A, 2003, 68, .	1.0	153
3	Bose-Einstein condensation in large time-averaged optical ring potentials. New Journal of Physics, 2016, 18, 035003.	1.2	67
4	Configuration-interaction calculations of positron binding to group-II elements. Physical Review A, 2002, 65, .	1.0	64
5	Configuration-interaction calculations of PsH and e+Be. Physical Review A, 2001, 65, .	1.0	56
6	Positron binding to a model alkali atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 2203-2214.	0.6	54
7	van der Waals coefficients for positronium-atom interactions. Physical Review A, 2003, 68, .	1.0	42
8	Effective oscillator strength distributions of spherically symmetric atoms for calculating polarizabilities and long-range atom-atom interactions. Atomic Data and Nuclear Data Tables, 2015, 101, 158-186.	0.9	39
9	Classical aspects of ultracold atom wave packet motion through microstructured waveguide bends. Physical Review A, 2004, 69, .	1.0	36
10	Configuration interaction calculations of positronic atoms and ions. Nuclear Instruments & Methods in Physics Research B, 2000, 171, 47-59.	0.6	35
11	Large-dimension configuration-interaction calculations of positron binding to the group-II atoms. Physical Review A, 2006, 73, .	1.0	35
12	Cavity Induced Shift and Narrowing of the Positronium Lyman- α Transition. Physical Review Letters, 2011, 106, 023401.	2.9	35
13	Properties of the triplet metastable states of the alkaline-earth-metal atoms. Physical Review A, 2004, 70, .	1.0	32
14	Positronium formation in positron-Li and positron-Na collisions at low energies. Physical Review A, 2005, 71, .	1.0	32
15	Convergence of the partial wave expansion of the He ground state. International Journal of Quantum Chemistry, 2007, 107, 1150-1161.	1.0	32
16	Positron and positronium interactions with Cu. Physical Review A, 2002, 66, .	1.0	29
17	Higher-order dispersion coefficients for hydrogen. Physical Review A, 2005, 71, .	1.0	29
18	Convergence of configuration-interaction single-center calculations of positron-atom interactions. Physical Review A, 2006, 73, .	1.0	29

#	ARTICLE	IF	CITATIONS
37	Excited states of positronic atoms. <i>Physical Review A</i> , 2007, 75, .	1.0	14
38	Long-range interactions of copper and silver atoms with hydrogen, helium, and rare-gas atoms. <i>Physical Review A</i> , 2008, 78, .	1.0	14
39	Dynamic Stark shift of the $7\text{Li}(2s^2 3s)$ transition. <i>Physical Review A</i> , 2013, 87, .	1.0	13
40	Existence of a Po^2 Excited State for the $e^+\text{Ca}$ System. <i>Physical Review Letters</i> , 2006, 97, 183402.	2.9	12
41	Second Bound State of PsH . <i>Physical Review Letters</i> , 2007, 98, 063401.	2.9	11
42	Elastic positron-cadmium scattering at low energies. <i>Physical Review A</i> , 2010, 81, .	1.0	10
43	Asymptotically exact expression for the energies of the 3Se Rydberg series in a two-electron system. <i>Physical Review A</i> , 2002, 66, .	1.0	9
44	Orthogonalising pseudo-potentials in scattering calculations. <i>Computer Physics Communications</i> , 2003, 152, 9-24.	3.0	9
45	Convergence of ans-Wave calculation of the He ground state. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 907-920.	1.0	9
46	Manifestations of vortices during ultracold-atom propagation through waveguides. <i>Physical Review A</i> , 2004, 70, .	1.0	5
47	Transverse excitations of ultracold matter waves upon propagation past abrupt waveguide changes. <i>Physical Review A</i> , 2005, 72, .	1.0	5
48	Excited, bound and resonant positron-atom systems. <i>Journal of Physics: Conference Series</i> , 2010, 199, 012011.	0.3	5
49	Comment on \hat{A} Positronium scattering by Ne, Ar, Kr and Xe in the frozen target approximation \hat{A} . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 793-795.	0.6	3
50	Comment on \hat{A} Multireference configuration-interaction calculations for positronium halides \hat{A} [J. Chem. Phys. 122, 054302 (2005)]. <i>Journal of Chemical Physics</i> , 2005, 123, 017101.	1.2	3
51	On the XIIIth International Workshop on low-energy e^+ and Ps physics. <i>Physica Scripta</i> , 2006, 74, C37-C45.	1.2	3
52	Atomic Spectral Methods for Ab Initio Molecular Electronic Energy Surfaces: Transitioning From Small-Molecule to Biomolecular-Suitable Approaches. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8321-8337.	1.2	3
53	Configuration interaction calculations of positron binding to $\text{Be}(3\text{P}0)$. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 247, 42-46.	0.6	2
54	Cassidy $\langle i \rangle$ et \hat{A} al $\langle /i \rangle$ Reply:. <i>Physical Review Letters</i> , 2011, 106, .	2.9	2

#	ARTICLE	IF	CITATIONS
55	Long-range interactions of the ground state muonium with atoms. Journal of Chemical Physics, 2020, 152, 124304.	1.2	2
56	Positronic Atoms. , 2001, , 199-221.		1
57	POSITRON-ATOM BOUND STATES AND INTERACTIONS. , 2006, , .		0
58	Complex polarisabilities and hyperpolarisabilities of atoms. Journal of Physics: Conference Series, 2015, 635, 092078.	0.3	0