

# 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	Long-range interactions of the ground state muonium with atoms. Journal of Chemical Physics, 2020, 152, 124304.	1.2	2
2	Bose-Einstein condensation in large time-averaged optical ring potentials. New Journal of Physics, 2016, 18, 035003.	1.2	67
3	Relativistic semiempirical-core-potential calculations of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Sr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Laguerre and Slater spinors. Physical Review A, 2016, 94, .$	1.0	16
4	Quantum enhanced measurement of rotations with a spin-1 Bose-Einstein condensate in a ring trap. Physical Review A, 2016, 93, .	1.0	28
5	Atomic Spectral Methods for Ab Initio Molecular Electronic Energy Surfaces: Transitioning From Small-Molecule to Biomolecular-Suitable Approaches. Journal of Physical Chemistry B, 2016, 120, 8321-8337.	1.2	3
6	Complex polarisabilities and hyperpolarisabilities of atoms. Journal of Physics: Conference Series, 2015, 635, 092078.	0.3	0
7	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
8	Dynamic Stark shift of the $7\text{Li}(2s^2 3s)$ transition. Physical Review A, 2013, 87, .	1.0	13
9	Positron Attachment to the He Doubly Excited States. Physical Review Letters, 2012, 109, 063201.	2.9	18
10	Cassidy <i>et al</i> Reply. Physical Review Letters, 2011, 106, .	2.9	2
11	Cavity Induced Shift and Narrowing of the Positronium Lyman- $\alpha$ Transition. Physical Review Letters, 2011, 106, 023401.	2.9	35
12	Excited, bound and resonant positron-atom systems. Journal of Physics: Conference Series, 2010, 199, 012011.	0.3	5
13	Elastic positron-cadmium scattering at low energies. Physical Review A, 2010, 81, .	1.0	10
14	Blackbody radiation shift of the $\text{Al}^+$ clock transition. European Physical Journal D, 2009, 53, 15-19.	0.6	24
15	Long-range interactions of copper and silver atoms with hydrogen, helium, and rare-gas atoms. Physical Review A, 2008, 78, .	1.0	14
16	Positron-atom scattering using pseudostate energy shifts. Physical Review A, 2008, 78, .	1.0	28
17	Long-range interactions of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mtext} \rangle \text{Sr} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Laguerre and Slater spinors. Physical Review A, 2008, 77, .$	1.0	16
18	Positronic complexes with unnatural parity. Physical Review A, 2007, 75, .	1.0	19

#	ARTICLE	IF	CITATIONS
19	Second Bound State of PsH. Physical Review Letters, 2007, 98, 063401.	2.9	11
20	Dispersion coefficients of the excited states of lithium atoms. Physical Review A, 2007, 75, .	1.0	28
21	Generating Phase Shifts from Pseudostate Energy Shifts. Physical Review Letters, 2007, 98, .	2.9	27
22	Excited states of positronic atoms. Physical Review A, 2007, 75, .	1.0	14
23	Convergence of ans-Wave calculation of the He ground state. International Journal of Quantum Chemistry, 2007, 107, 907-920.	1.0	9
24	Convergence of the partial wave expansion of the He ground state. International Journal of Quantum Chemistry, 2007, 107, 1150-1161.	1.0	32
25	Configuration interaction calculations of positron binding to Be(3P0). Nuclear Instruments & Methods in Physics Research B, 2006, 247, 42-46.	0.6	2
26	POSITRON-ATOM BOUND STATES AND INTERACTIONS. , 2006, , .		0
27	On the XIIIth International Workshop on low-energy+and Ps physics. Physica Scripta, 2006, 74, C37-C45.	1.2	3
28	Existence of aPo2Excited State for thee+CaSystem. Physical Review Letters, 2006, 97, 183402.	2.9	12
29	Large-dimension configuration-interaction calculations of positron binding to the group-II atoms. Physical Review A, 2006, 73, .	1.0	35
30	Convergence of configuration-interaction single-center calculations of positron-atom interactions. Physical Review A, 2006, 73, .	1.0	29
31	Comment on "Multireference configuration-interaction calculations for positronium halides". [J. Chem. Phys. 122, 054302 (2005)]. Journal of Chemical Physics, 2005, 123, 017101.	1.2	3
32	Higher-order dispersion coefficients for the alkali-metal atoms. Physical Review A, 2005, 71, .	1.0	22
33	Transverse excitations of ultracold matter waves upon propagation past abrupt waveguide changes. Physical Review A, 2005, 72, .	1.0	5
34	Higher-order dispersion coefficients for hydrogen. Physical Review A, 2005, 71, .	1.0	29
35	Positronium formation in positron-Li and positron-Na collisions at low energies. Physical Review A, 2005, 71, .	1.0	32
36	Positron scattering and annihilation from hydrogenlike ions. Physical Review A, 2004, 69, .	1.0	19

#	ARTICLE	IF	CITATIONS
37	Classical aspects of ultracold atom wave packet motion through microstructured waveguide bends. Physical Review A, 2004, 69, .	1.0	36
38	Manifestations of vortices during ultracold-atom propagation through waveguides. Physical Review A, 2004, 70, .	1.0	5
39	Properties of the triplet metastable states of the alkaline-earth-metal atoms. Physical Review A, 2004, 70, .	1.0	32
40	Semiempirical calculation of van der Waals coefficients for alkali-metal and alkaline-earth-metal atoms. Physical Review A, 2003, 68, .	1.0	153
41	Orthogonalising pseudo-potentials in scattering calculations. Computer Physics Communications, 2003, 152, 9-24.	3.0	9
42	Dispersion coefficients for H and He interactions with alkali-metal and alkaline-earth-metal atoms. Physical Review A, 2003, 68, .	1.0	27
43	Propagation of ultracold atoms through bends in waveguides. Physical Review A, 2003, 68, .	1.0	15
44	Positronium scattering from Kr and Xe at low energies. Physical Review A, 2003, 67, .	1.0	24
45	Variational calculation of positron-atom scattering using configuration-interaction-type wave functions. Physical Review A, 2003, 67, .	1.0	20
46	van der Waals coefficients for positronium-atom interactions. Physical Review A, 2003, 68, .	1.0	42
47	Comment on $\hat{A}$ Positronium scattering by Ne, Ar, Kr and Xe in the frozen target approximation $\hat{A}$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 793-795.	0.6	3
48	Configuration-interaction calculations of positron binding to group-II elements. Physical Review A, 2002, 65, .	1.0	64
49	Positron and positronium interactions with Cu. Physical Review A, 2002, 66, .	1.0	29
50	Asymptotically exact expression for the energies of the $3s$ Rydberg series in a two-electron system. Physical Review A, 2002, 66, .	1.0	9
51	Configuration-interaction calculations of positron binding to zinc and cadmium. Physical Review A, 2002, 65, .	1.0	24
52	Positron and positronium binding to atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, R81-R116.	0.6	170
53	Configuration-interaction calculations of $PsH$ and $e+Be$ . Physical Review A, 2001, 65, .	1.0	56
54	Positronic Atoms. , 2001, , 199-221.		1

#	ARTICLE	IF	CITATIONS
55	Configuration interaction calculations of positronic atoms and ions. Nuclear Instruments & Methods in Physics Research B, 2000, 171, 47-59.	0.6	35
56	Positron binding to calcium, a configuration interaction study. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L325-L331.	0.6	17
57	Positron binding to a model alkali atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 2203-2214.	0.6	54
58	The elastic scattering of positrons from beryllium and magnesium in the low-energy region. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 4449-4458.	0.6	22