Wojciech Skomorowski

List of Publications by Year
in descending order

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27	1,378	430874	526287
papers	citations	18 h-index	27 g-index

29	29	29	1174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feshbachâ€“Fano approach for calculation of Auger decay rates using equation-of-motion coupled-cluster wave functions. I. Theory and implementation. Journal of Chemical Physics, 2021, 154, 084124.	3.0	24
2	Feshbachâ€“Fano approach for calculation of Auger decay rates using equation-of-motion coupled-cluster wave functions. II. Numerical examples and benchmarks. Journal of Chemical Physics, 2021, 154, 084125.	3.0	19
3	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. Journal of Chemical Physics, 2021, 155, 084801.	3.0	518
4	Phase protection of Fano-Feshbach resonances. Nature Communications, 2020, 11, 999.	12.8	8
5	Cold temperatures invert product ratios in Penning ionisation reactions with argon. Molecular Physics, 2019, 117, 2128-2137.	1.7	11
6	Bound and continuum-embedded states of cyanopolyyne anions. Physical Chemistry Chemical Physics, 2018, 20, 4805-4817.	2.8	27
7	Real and Imaginary Excitons: Making Sense of Resonance Wave Functions by Using Reduced State and Transition Density Matrices. Journal of Physical Chemistry Letters, 2018, 9, 4101-4108.	4.6	22
8	Directly probing anisotropy in atomâ€“molecule collisions through quantum scattering resonances. Nature Physics, 2017, 13, 35-38.	16.7	99
9	Photoassociation Spectroscopy in Penning Ionization Reactions at Sub-Kelvin Temperatures. Journal of Physical Chemistry A, 2016, 120, 3309-3315.	2.5	8
10	Control of Optical Transitions with Magnetic Fields in Weakly Bound Molecules. Physical Review Letters, 2015, 115, 053001.	7.8	22
11	Coherent Control of Bond Making. Physical Review Letters, 2015, 114, 233003.	7.8	66
12	Coherent control of bond making: the performance of rationally phase-shaped femtosecond laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 184004.	1.5	9
13	Predissociation dynamics of lithium iodide. Journal of Chemical Physics, 2015, 142, 044303.	3.0	10
14	Molecular hydrogen interacts more strongly when rotationally excited at low temperatures leading to faster reactions. Nature Chemistry, 2015, 7, 921-926.	13.6	82
15	Precise study of asymptotic physics with subradiant ultracold molecules. Nature Physics, 2015, 11, 32-36.	16.7	89
16	Kerr and Cottonâ€“Mouton effects in atomic gases: a quantum-statistical study. Molecular Physics, 2013, 111, 1414-1429.	1.7	3
17	Interatomic potentials, electric properties and spectroscopy of the ground and excited states of the Rb₂ molecule: ab initio calculations and effect of a non-resonant field*. Molecular Physics, 2013, 111, 1781-1797.	1.7	65
18	Femtosecond two-photon photoassociation of hot magnesium atoms: A quantum dynamical study using thermal random phase wavefunctions. Journal of Chemical Physics, 2013, 139, 164124.	3.0	30

#	Article	IF	Citations
19	Nonadiabatic Effects in Ultracold Molecules via Anomalous Linear and Quadratic Zeeman Shifts. Physical Review Letters, 2013, 111, 243003.	7.8	33
20	Formation of deeply bound ultracold Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>molecules by photoassociation near the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>1</mml:mn></mml:msup><mml:mspace width="-0.16em" /> Rovibrational dynamics of the strontium molecule in the ${m A}sideset{^1}{_{u}^{+}}{Sigma}$AÎ£u+1, c3Îu, and ${m a}sideset{^3}{_{u}^{+}}{Sigma}$aÎ£u+3 manifold from state-of-the-art ab initio calculations. Journal of Chemical Physics, 2012, 136, 194306.	2.5	26
21		3.0	58
22	Cold collisions of an open-shell S-state atom with a 2Î molecule: N(4S) colliding with OH in a magnetic field. Physical Chemistry Chemical Physics, 2011, 13, 19077.	2.8	5
23	Long-range interactions between an atom in its ground S state and an open-shell linear molecule. Journal of Chemical Physics, 2011, 134, 124117.	3.0	7
24	Prospects for sympathetic cooling of molecules in electrostatic, ac and microwave traps. European Physical Journal D, 2011, 65, 141-149.	1.3	29
25	Sympathetic cooling of the Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math>ion by collisions with ultracold Rb atoms: Theoretical prospects. Physical Review A, 2011, 83, .	2.5	54
26	Interaction between LiH molecule and Li atom from state-of-the-art electronic structure calculations. Journal of Chemical Physics, 2011, 134, 114109.	3.0	36
27	Electronic circular dichroism of disulphide bridge: Ab initio quantum-chemical calculations. Journal of Chemical Physics, 2007, 127, 085102.	3.0	18