

# Eite Tiesinga

## List of Publications by Year in descending order

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430874

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2958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for assembling ultracold radioactive molecules from laser-cooled atoms. <i>New Journal of Physics</i> , 2022, 24, 025005.	2.9	10
2	The importance of being fundamental. <i>Nature Physics</i> , 2022, 18, 474-474.	16.7	0
3	Comparison of two multiplexed portable cold-atom vacuum standards. <i>AVS Quantum Science</i> , 2022, 4, .	4.9	9
4	Relativistic aspects of orbital and magnetic anisotropies in the chemical bonding and structure of lanthanide molecules. <i>New Journal of Physics</i> , 2021, 23, 085007.	2.9	7
5	CODATA Recommended Values of the Fundamental Physical Constants: 2018. <i>Journal of Physical and Chemical Reference Data</i> , 2021, 50.	4.2	81
6	Feshbach Resonances in $p$ -Wave Three-Body Recombination within Fermi-Fermi Mixtures of Open-Shell $Li$	8.9	33
7	Collisions of room-temperature helium with ultracold lithium and the van der Waals bound state of HeLi. <i>Physical Review A</i> , 2020, 101, .	2.5	13
8	A semiclassical theory of phase-space dynamics of interacting bosons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 185302.	1.5	0
9	Elastic rate coefficients for $Li + H$ collisions in the calibration of a cold-atom vacuum standard. <i>Physical Review A</i> , 2019, 99, .	2.5	19
10	Elastic rate coefficients for $Li + H$ collisions in the calibration of a cold-atom vacuum standard. <i>Physical Review A</i> , 2019, 99, .	2.5	2
11	Fractal universality in near-threshold magnetic lanthanide dimers. <i>Science Advances</i> , 2018, 4, eaap8308.	10.3	7
12	Data and analysis for the CODATA 2017 special fundamental constants adjustment. <i>Metrologia</i> , 2018, 55, 125-146.	1.2	135
13	Observation of bound state self-interaction in a nano-eV atom collider. <i>Nature Communications</i> , 2018, 9, 4895.	12.8	12
14	Orbital quantum magnetism in spin dynamics of strongly interacting magnetic lanthanide atoms. <i>Physical Review A</i> , 2018, 97, .	2.5	6
15	Challenges to miniaturizing cold atom technology for deployable vacuum metrology. <i>Metrologia</i> , 2018, 55, S182-S193.	1.2	37
16	Development of a new UHV/XHV pressure standard (cold atom vacuum standard). <i>Metrologia</i> , 2017, 54, S125-S132.	1.2	43
17	Above-threshold scattering about a Feshbach resonance for ultracold atoms in an optical collider. <i>Nature Communications</i> , 2017, 8, 452.	12.8	12
18	Dispersive optical detection of magnetic Feshbach resonances in ultracold gases. <i>Physical Review A</i> , 2017, 96, .	2.5	9

#	ARTICLE	IF	CITATIONS
19	Pendular trapping conditions for ultracold polar molecules enforced by external electric fields. <i>Physical Review A</i> , 2017, 95, .	2.5	7
20	Sudden-quench dynamics of Bardeen-Cooper-Schrieffer states in deep optical lattices. <i>Physical Review A</i> , 2016, 94, .	2.5	2
21	Wannier functions using a discrete variable representation for optical lattices. <i>Physical Review A</i> , 2016, 94, .	2.5	4
22	Optimization of collisional Feshbach cooling of an ultracold nondegenerate gas. <i>Physical Review A</i> , 2015, 91, .	2.5	2
23	Anisotropy-Induced Feshbach Resonances in a Quantum Dipolar Gas of Highly Magnetic Atoms. <i>Physical Review Letters</i> , 2012, 109, 103002.	7.8	60
24	Feshbach resonances in ultracold gases. <i>Reviews of Modern Physics</i> , 2010, 82, 1225-1286.	45.6	2,905
25	Effective-range description of a Bose gas under strong one- or two-dimensional confinement. <i>New Journal of Physics</i> , 2007, 9, 19-19.	2.9	49
26	Ultracold photoassociation spectroscopy: Long-range molecules and atomic scattering. <i>Reviews of Modern Physics</i> , 2006, 78, 483-535.	45.6	724
27	Publisher's Note: Ultracold photoassociation spectroscopy: Long-range molecules and atomic scattering [Rev. Mod. Phys.78, 483 (2006)]. <i>Reviews of Modern Physics</i> , 2006, 78, 1041-1041.	45.6	6
28	Adaptive grid refinement for a model of two confined and interacting atoms. <i>Applied Numerical Mathematics</i> , 2005, 52, 235-250.	2.1	6
29	Making cold molecules by time-dependent feshbach resonances. <i>Journal of Modern Optics</i> , 2004, 51, 1787-1806.	1.3	28
30	Adiabatic association of ultracold molecules via magnetic-field tunable interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 3457-3500.	1.5	92
31	Two-color photoassociation spectroscopy of the lowest triplet potential of Na <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2003, 119, 2062-2074.	3.0	16
32	Quantum encounters of the cold kind. <i>Nature</i> , 2002, 416, 225-232.	27.8	81
33	Fitting line shapes in photoassociation spectroscopy of ultracold atoms: A useful approximation. <i>Physical Review A</i> , 1999, 61, .	2.5	42
34	Photoassociative spectroscopy of highly excited vibrational levels of alkali-metal dimers: Green-function approach for eigenvalue solvers. <i>Physical Review A</i> , 1998, 57, 4257-4267.	2.5	69
35	Observation of the pure long-range $1$ state of an alkali-metal dimer by photoassociative spectroscopy. <i>Physical Review A</i> , 1998, 57, 4600-4603.	2.5	20
36	Elastic and Inelastic Collisions of Cold Spin-Polarized $^{133}\text{Cs}$ Atoms. <i>Physical Review Letters</i> , 1998, 81, 1389-1392.	7.8	49

#	ARTICLE	IF	CITATIONS
37	Hyperfine structure of the Na <sub>2</sub> $\tilde{g}^{\sim}$ long-range molecular state. <i>Physical Review A</i> , 1996, 53, R1939-R1942.	2.5	26