

Richard Hendricks

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

513
citations

623734

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all docs

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docs citations

22
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring atom positions in a microwave cavity to evaluate distributed cavity phase shifts. Metrologia, 2020, 57, 065003.	1.2	1
2	First accuracy evaluation of the NRC-FCs2 primary frequency standard. Metrologia, 2020, 57, 035010.	1.2	29
3	Cs Fountain Clocks for Commercial Realizationsâ€”An Improved and Robust Design. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 624-631.	3.0	14
4	A buffer gas beam source for short, intense and slow molecular pulses. Journal of Modern Optics, 2018, 65, 648-656.	1.3	40
5	Operation of caesium fountain frequency standards with remote hydrogen maser references. Metrologia, 2018, 55, 782-788.	1.2	1
6	Characterising molecules for fundamental physics: an accurate spectroscopic model of methyltrioxorhenium derived from new infrared and millimetre-wave measurements. Physical Chemistry Chemical Physics, 2017, 19, 4576-4587.	2.8	16
7	High-resolution mid-infrared spectroscopy of buffer-gas-cooled methyltrioxorhenium molecules. New Journal of Physics, 2017, 19, 053006.	2.9	15
8	A high quality, efficiently coupled microwave cavity for trapping cold molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 045001.	1.5	12
9	Vibrational branching ratios and hyperfine structure of 11BH and its suitability for laser cooling. Frontiers in Physics, 2014, 2, .	2.1	25
10	MEASUREMENT OF THE LOWEST MILLIMETER-WAVE TRANSITION FREQUENCY OF THE CH RADICAL. Astrophysical Journal, 2014, 780, 71.	4.5	12
11	microwave spectroscopy of C_{10}H_8  <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:sc="http://www.elsevier.com/"/></small>	1.2	10
12	Characterization of a cryogenic beam source for atoms and molecules. Physical Chemistry Chemical Physics, 2013, 15, 12299.	2.8	25
13	A search for varying fundamental constants using hertz-level frequency measurements of cold CH molecules. Nature Communications, 2013, 4, 2600.	12.8	77
14	Traveling-wave deceleration of heavy polar molecules in low-field-seeking states. Physical Review A, 2012, 86, .	2.5	29
15	Franckâ€”Condon factors and radiative lifetime of the $A^2\hat{1}/2\hat{a}^{\infty}X^2\hat{1}\Sigma^+$ transition of ytterbium monofluoride, YbF. Physical Chemistry Chemical Physics, 2011, 13, 19013.	2.8	31
16	Diffusion, thermalization, and optical pumping of YbF molecules in a cold buffer-gas cell. Physical Review A, 2011, 83, .	2.5	36
17	Coherent manipulation of a $^{40}\text{Ca}^+$ spin qubit in a micro ion trap. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 154013.	1.5	41
18	Doppler-free laser spectroscopy of buffer-gas-cooled molecular radicals. New Journal of Physics, 2009, 11, 123026.	2.9	22

#	ARTICLE	IF	CITATIONS
19	Laser cooling in the Penning trap: an analytical model for cooling rates in the presence of an axializing field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 035301.	1.5	10
20	Doppler cooling of calcium ions using a dipole-forbidden transition. <i>Physical Review A</i> , 2008, 77, .	2.5	23
21	Dynamics of axialized laser-cooled ions in a Penning trap. <i>Physical Review A</i> , 2008, 78, .	2.5	12
22	An all-optical ion-loading technique for scalable microtrap architectures. <i>Applied Physics B: Lasers and Optics</i> , 2007, 88, 507-513.	2.2	32