

Jonathan D Weinstein

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

861
citations

758635

12
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic trapping of calcium monohydride molecules at millikelvin temperatures. <i>Nature</i> , 1998, 395, 148-150.	13.7	433
2	Spectroscopy of laser-ablated buffer-gas-cooled PbO at 4 K and the prospects for measuring the electric dipole moment of the electron. <i>Physical Review A</i> , 2001, 63, .	1.0	56
3	Spectroscopic Detection of the LiHe Molecule. <i>Physical Review Letters</i> , 2013, 110, 153201.	2.9	52
4	Spectroscopy of buffer-gas cooled vanadium monoxide in a magnetic trapping field. <i>Journal of Chemical Physics</i> , 1998, 109, 2656-2661.	1.2	49
5	Searching for Ultralight Dark Matter with Optical Cavities. <i>Physical Review Letters</i> , 2019, 123, 031304.	2.9	47
6	Zeeman spectroscopy of CaH molecules in a magnetic trap. <i>Journal of Chemical Physics</i> , 1999, 110, 2376-2383.	1.2	41
7	Chemical Reactions of Atomic Lithium and Molecular Calcium Monohydride at 1 K. <i>Physical Review Letters</i> , 2012, 108, 203201.	2.9	35
8	Fine-structure-changing collisions in atomic titanium. <i>Physical Review A</i> , 2008, 77, .	1.0	25
9	Method for traveling-wave deceleration of buffer-gas beams of CH. <i>Physical Review A</i> , 2014, 90, .	1.0	15
10	Inelastic titanium-titanium collisions. <i>Physical Review A</i> , 2009, 79, .	1.0	13
11	Optical pumping of rubidium atoms frozen in solid argon. <i>Physical Review A</i> , 2013, 88, .	1.0	12
12	Longitudinal Spin Relaxation of Optically Pumped Rubidium Atoms in Solid Parahydrogen. <i>Physical Review Letters</i> , 2016, 117, 175301.	2.9	12
13	Cold Anisotropically Interacting van der Waals Molecule: TiHe. <i>Physical Review Letters</i> , 2017, 118, 213401.	2.9	12
14	Spin coherence and optical properties of alkali-metal atoms in solid parahydrogen. <i>Physical Review A</i> , 2019, 100, .	1.0	12
15	Ultralong Spin-Coherence Times for Rubidium Atoms in Solid Parahydrogen via Dynamical Decoupling. <i>Physical Review Letters</i> , 2020, 125, 043601.	2.9	11
16	Enhanced spin coherence of rubidium atoms in solid parahydrogen. <i>Physical Review B</i> , 2019, 100, .	1.1	10
17	Inelastic collisions of CaH with He at cryogenic temperatures. <i>Molecular Physics</i> , 2013, 111, 1711-1715.	0.8	7
18	Shaped nozzles for cryogenic buffer-gas beam sources. <i>Physical Review A</i> , 2019, 99, .	1.0	5

#	ARTICLE	IF	CITATIONS
19	Optical and spin-coherence properties of rubidium atoms trapped in solid neon. <i>Physical Review A</i> , 2021, 104, .	1.0	5
20	High-purity solid parahydrogen. <i>Review of Scientific Instruments</i> , 2021, 92, 073202.	0.6	4
21	Radiative properties of rubidium atoms trapped in solid neon and parahydrogen. <i>Physical Review A</i> , 2021, 103, .	1.0	3
22	Electromagnetically induced transparency in an open multilevel system. <i>Physical Review A</i> , 2011, 84, .	1.0	1
23	Electrostatic guiding of the methylidyne radical at cryogenic temperatures. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	1