

Richard J Roy

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

482
citations

759233

12
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

559
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Element Mixture of Bose and Fermi Superfluids. <i>Physical Review Letters</i> , 2017, 118, 055301.	7.8	83
2	Spaceborne Cloud and Precipitation Radars: Status, Challenges, and Ways Forward. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000686.	23.0	78
3	Production of quantum-degenerate mixtures of ytterbium and lithium with controllable interspecies overlap. <i>Physical Review A</i> , 2013, 87, .	2.5	51
4	Ultracold Heteronuclear Mixture of Ground and Excited State Atoms. <i>Physical Review Letters</i> , 2014, 112, 033201.	7.8	44
5	Rapid cooling to quantum degeneracy in dynamically shaped atom traps. <i>Physical Review A</i> , 2016, 93, .	2.5	38
6	Boundary-layer water vapor profiling using differential absorption radar. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6511-6523.	3.1	28
7	Photoassociative production of ultracold heteronuclear YbLi molecules. <i>Physical Review A</i> , 2016, 94, .	2.5	27
8	Validation of a G-Band Differential Absorption Cloud Radar for Humidity Remote Sensing. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1085-1102.	1.3	24
9	G-Band Radar for Humidity and Cloud Remote Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 1106-1117.	6.3	20
10	Kr and 4He Adsorption on Individual Suspended Single-Walled Carbon Nanotubes. <i>Journal of Low Temperature Physics</i> , 2012, 169, 338-349.	1.4	19
11	Magnetic field dependent interactions in an ultracold $\text{Li}^{\text{a}}\text{Yb}^{\text{b}}\text{P}^{\text{c}}$ mixture. <i>New Journal of Physics</i> , 2015, 17, 055007.	2.9	19
12	Multifrequency radar observations of clouds and precipitation including the G-band. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3615-3629.	3.1	13
13	Two-photon photoassociation spectroscopy of the YbLi molecular ground state. <i>Physical Review A</i> , 2019, 80, .	2.5	11
14	Assessment of global total column water vapor sounding using a spaceborne differential absorption radar. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5193-5205.	3.1	10
15	Improving FM Radar Dynamic Range Using Target Phase Noise Cancellation. <i>IEEE Journal of Microwaves</i> , 2021, 1, 586-592.	6.5	6
16	Spaceborne differential absorption radar water vapor retrieval capabilities in tropical and subtropical boundary layer cloud regimes. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6443-6468.	3.1	6
17	First Airborne Measurements With a G-Band Differential Absorption Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	5
18	Cloud Dynamics Revealed by a G-band Humidity-Sounding Differential Absorption Radar. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Dynamically Shaped Optical Dipole Atom Traps for Rapid Cooling to Quantum Degeneracy. , 2016, , .		0