

# 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	First Airborne Measurements With a G-Band Differential Absorption Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	5
2	G-Band Radar for Humidity and Cloud Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1106-1117.	6.3	20
3	Improving FM Radar Dynamic Range Using Target Phase Noise Cancellation. IEEE Journal of Microwaves, 2021, 1, 586-592.	6.5	6
4	Multifrequency radar observations of clouds and precipitation including the G-band. Atmospheric Measurement Techniques, 2021, 14, 3615-3629.	3.1	13
5	Spaceborne differential absorption radar water vapor retrieval capabilities in tropical and subtropical boundary layer cloud regimes. Atmospheric Measurement Techniques, 2021, 14, 6443-6468.	3.1	6
6	Cloud Dynamics Revealed by a G-band Humidity-Sounding Differential Absorption Radar. , 2020, , .		0
7	Spaceborne Cloud and Precipitation Radars: Status, Challenges, and Ways Forward. Reviews of Geophysics, 2020, 58, e2019RG000686.	23.0	78
8	Validation of a G-Band Differential Absorption Cloud Radar for Humidity Remote Sensing. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1085-1102.	1.3	24
9	Assessment of global total column water vapor sounding using a spaceborne differential absorption radar. Atmospheric Measurement Techniques, 2020, 13, 5193-5205.	3.1	10
10	Two-photon photoassociation spectroscopy of the $\text{YbLi}$ molecular ground state. Physical Review A, 2019, 99, .	2.5	11
11	Boundary-layer water vapor profiling using differential absorption radar. Atmospheric Measurement Techniques, 2018, 11, 6511-6523.	3.1	28
12	Two-Element Mixture of Bose and Fermi Superfluids. Physical Review Letters, 2017, 118, 055301.	7.8	83
13	Photoassociative production of ultracold heteronuclear $\text{YbLi}$ molecules. Physical Review A, 2016, 94, .		
14	Rapid cooling to quantum degeneracy in dynamically shaped atom traps. Physical Review A, 2016, 93, .	2.5	38
15	Dynamically Shaped Optical Dipole Atom Traps for Rapid Cooling to Quantum Degeneracy. , 2016, , .		0
16	Magnetic field dependent interactions in an ultracold $\text{Li}^{87}\text{Yb}^{238}\text{P}^{232}$ mixture. New Journal of Physics, 2015, 17, 055007.	2.9	19
17	Ultracold Heteronuclear Mixture of Ground and Excited State Atoms. Physical Review Letters, 2014, 112, 033201.	7.8	44
18	Production of quantum-degenerate mixtures of ytterbium and lithium with controllable interspecies overlap. Physical Review A, 2013, 87, .	2.5	51

#	ARTICLE	IF	CITATIONS
19	Kr and 4He Adsorption on Individual Suspended Single-Walled Carbon Nanotubes. Journal of Low Temperature Physics, 2012, 169, 338-349.	1.4	19