

# Luigi De Marco

## List of Publications by Year in descending order

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17  
papers

1,596  
citations

516710

16  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical Generation of Spin Squeezing in Ultracold Dipolar Molecules. <i>Physical Review Letters</i> , 2021, 126, 113401.	7.8	19
2	Tuning of dipolar interactions and evaporative cooling in a three-dimensional molecular quantum gas. <i>Nature Physics</i> , 2021, 17, 1144-1148.	16.7	52
3	Quantum many-body physics with ultracold polar molecules: Nanostructured potential barriers and interactions. <i>Physical Review A</i> , 2020, 102, .	2.5	7
4	Dipolar evaporation of reactive molecules to below the Fermi temperature. <i>Nature</i> , 2020, 588, 239-243.	27.8	62
5	Resonant collisional shielding of reactive molecules using electric fields. <i>Science</i> , 2020, 370, 1324-1327.	12.6	64
6	Thermalization and Sub-Poissonian Density Fluctuations in a Degenerate Molecular Fermi Gas. <i>Physical Review Letters</i> , 2020, 124, 033401.	7.8	21
7	A degenerate Fermi gas of polar molecules. <i>Science</i> , 2019, 363, 853-856.	12.6	198
8	An approach to spin-resolved molecular gas microscopy. <i>New Journal of Physics</i> , 2018, 20, 043031.	2.9	18
9	Anharmonic exciton dynamics and energy dissipation in liquid water from two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 145, 094501.	3.0	51
10	Vibrational Spectroscopy and Dynamics of Water. <i>Chemical Reviews</i> , 2016, 116, 7590-7607.	47.7	300
11	Differences in the Vibrational Dynamics of H <sub>2</sub> O and D <sub>2</sub> O: Observation of Symmetric and Antisymmetric Stretching Vibrations in Heavy Water. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1769-1774.	4.6	68
12	Interplay of Ion-Water and Water-Water Interactions within the Hydration Shells of Nitrate and Carbonate Directly Probed with 2D IR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 9634-9645.	13.7	67
13	Ultrafast 2D IR spectroscopy of the excess proton in liquid water. <i>Science</i> , 2015, 350, 78-82.	12.6	264
14	Collective vibrations of water-solvated hydroxide ions investigated with broadband 2DIR spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 204508.	3.0	53
15	Direct observation of intermolecular interactions mediated by hydrogen bonding. <i>Journal of Chemical Physics</i> , 2014, 141, 034502.	3.0	50
16	Water vibrations have strongly mixed intra- and intermolecular character. <i>Nature Chemistry</i> , 2013, 5, 935-940.	13.6	236
17	Experimental Evidence of Fermi Resonances in Isotopically Dilute Water from Ultrafast Broadband IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15319-15327.	2.6	66