Yair Litman

List of Publications by Year
in descending order

17	438	1307594 7	940533 16
papers	citations	h-index	g-index

17	17	17	771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	i-PI 2.0: A universal force engine for advanced molecular simulations. Computer Physics Communications, 2019, 236, 214-223.	7.5	220
2	Elucidating the Nuclear Quantum Dynamics of Intramolecular Double Hydrogen Transfer in Porphycene. Journal of the American Chemical Society, 2019, 141, 2526-2534.	13.7	68
3	Decisive role of nuclear quantum effects on surface mediated water dissociation at finite temperature. Journal of Chemical Physics, 2018, 148, 102320.	3.0	32
4	Quantum tunneling in real space: Tautomerization of single porphycene molecules on the (111) surface of Cu, Ag, and Au. Journal of Chemical Physics, 2018, 148, 102330.	3.0	29
5	Temperature dependence of the vibrational spectrum of porphycene: a qualitative failure of classical-nuclei molecular dynamics. Faraday Discussions, 2020, 221, 526-546.	3.2	22
6	Tuning the concentration of dye loaded polymer films for maximum photosensitization efficiency: phloxine B in poly(2-hydroxyethyl methacrylate). Photochemical and Photobiological Sciences, 2016, 15, 80-85.	2.9	15
7	Photophysics of Xanthene Dyes at High Concentrations in Solid Environments: Charge Transfer Assisted Triplet Formation. Photochemistry and Photobiology, 2018, 94, 865-874.	2.5	8
8	Effect of Concentration on the Formation of Rose Bengal Triplet State on Microcrystalline Cellulose: A Combined Laser-Induced Optoacoustic Spectroscopy, Diffuse Reflectance Flash Photolysis, and Luminescence Study. Journal of Physical Chemistry A, 2014, 118, 10531-10537.	2.5	7
9	Multidimensional Hydrogen Tunneling in Supported Molecular Switches: The Role of Surface Interactions. Physical Review Letters, 2020, 125, 216001.	7.8	6
10	Dissipative tunneling rates through the incorporation of first-principles electronic friction in instanton rate theory. I. Theory. Journal of Chemical Physics, 2022, 156, .	3.0	6
11	Positional Isotope Exchange in HXÂ·(H₂O)_n (X = F, I) Clusters at Low Temperatures. Journal of Physical Chemistry A, 2016, 120, 7213-7224.	2.5	5
12	Emerging opportunities and future directions: general discussion. Faraday Discussions, 2019, 221, 564-581.	3.2	5
13	Quantum coherence in complex environments: general discussion. Faraday Discussions, 2019, 221, 168-201.	3.2	5
14	Zero-point energy and tunnelling: general discussion. Faraday Discussions, 2019, 221, 478-500.	3.2	4
15	Dissipative tunneling rates through the incorporation of first-principles electronic friction in instanton rate theory. II. Benchmarks and applications. Journal of Chemical Physics, 2022, 156, .	3.0	4
16	Spectroscopic signatures of quantum effects: general discussion. Faraday Discussions, 2019, 221, 322-349.	3.2	2
17	Novel, simple and fast automated synthesis of [sup 18]F-choline in a single Synthera module. , 2012, , .		0