

Adam D Dunkelberger

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,034
citations

471509

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580821

25
g-index

27
all docs

27
docs citations

27
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration-Cavity Polariton Chemistry and Dynamics. Annual Review of Physical Chemistry, 2022, 73, 429-451.	10.8	58
2	Comparative analysis of polaritons in bulk, dielectric slabs, and planar cavities with implications for cavity-modified reactivity. Journal of Chemical Physics, 2022, 156, 034110.	3.0	13
3	Hyperbolic phonon polariton resonances in calcite nanopillars. Optics Express, 2021, 29, 11760.	3.4	13
4	Mode-Specific Chemistry through Vibrational Strong Coupling (or <i>A Wish Come True</i>). Journal of Physical Chemistry C, 2021, 125, 19081-19087.	3.1	48
5	Excited-state vibration-polariton transitions and dynamics in nitroprusside. Nature Communications, 2021, 12, 214.	12.8	51
6	Ultrafast Active Tuning of the Berreman Mode. ACS Photonics, 2020, 7, 279-287.	6.6	14
7	Charge carrier spatial distribution effects in photomodulated reflectivity of 4H-SiC and GaN. Journal of Applied Physics, 2020, 128, 103102.	2.5	1
8	Negligible Effect of Vibrational Polaritons on Chemical Reaction Rates via the Density of States Pathway. Journal of Physical Chemistry Letters, 2020, 11, 3557-3562.	4.6	63
9	Saturable Absorption in Solution-Phase and Cavity-Coupled Tungsten Hexacarbonyl. ACS Photonics, 2019, 6, 2719-2725.	6.6	24
10	Rapid Bimolecular and Defect-Assisted Carrier Recombination in Hexagonal Boron Nitride. Journal of Physical Chemistry C, 2019, 123, 14689-14695.	3.1	2
11	Manipulating optical nonlinearities of molecular polaritons by delocalization. Science Advances, 2019, 5, eaax5196.	10.3	57
12	Examining Vibration-Cavity Polariton Dynamics via Ultrafast Infrared Spectroscopy. , 2019, , .		0
13	Two-dimensional infrared spectroscopy of vibrational polaritons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4845-4850.	7.1	143
14	Active tuning of surface phonon polariton resonances via carrier photoinjection. Nature Photonics, 2018, 12, 50-56.	31.4	102
15	Ultrafast Transmission Modulation and Recovery via Vibrational Strong Coupling. Journal of Physical Chemistry A, 2018, 122, 965-971.	2.5	55
16	Vibrational relaxation of small anions in a polymer film. Chemical Physics, 2018, 512, 75-81.	1.9	1
17	Vibrational Strong Coupling Controlled by Spatial Distribution of Molecules within the Optical Cavity. ACS Photonics, 2018, 5, 158-166.	6.6	44
18	Theory for Nonlinear Spectroscopy of Vibrational Polaritons. Journal of Physical Chemistry Letters, 2018, 9, 3766-3771.	4.6	72

