

Adam D Dunkelberger

List of Publications by Year in descending order

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27
papers

1,034
citations

471509

17
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Spanning Strong to Weak Normal Mode Coupling between Vibrational and Fabry-Pérot Cavity Modes through Tuning of Vibrational Absorption Strength. ACS Photonics, 2015, 2, 1460-1467.	6.6	118
3	Active tuning of surface phonon polariton resonances via carrier photoinjection. Nature Photonics, 2018, 12, 50-56.	31.4	102
4	Theory for Nonlinear Spectroscopy of Vibrational Polaritons. Journal of Physical Chemistry Letters, 2018, 9, 3766-3771.	4.6	72
5	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
6	Vibration-Cavity Polariton Chemistry and Dynamics. Annual Review of Physical Chemistry, 2022, 73, 429-451.	10.8	58
7	Manipulating optical nonlinearities of molecular polaritons by delocalization. Science Advances, 2019, 5, eaax5196.	10.3	57
8	Ultrafast Transmission Modulation and Recovery via Vibrational Strong Coupling. Journal of Physical Chemistry A, 2018, 122, 965-971.	2.5	55
9	Excited-state vibration-polariton transitions and dynamics in nitroprusside. Nature Communications, 2021, 12, 214.	12.8	51
10	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
11	Vibrational Strong Coupling Controlled by Spatial Distribution of Molecules within the Optical Cavity. ACS Photonics, 2018, 5, 158-166.	6.6	44
12	Photoinduced tunability of the reststrahlen band in $\text{MgF}_2/\text{Ag}/\text{MgF}_2$ microcavities. Physical Review B, 2016, 93, .		
13	Picosecond Dynamics of Avobenzene in Solution. Journal of Physical Chemistry A, 2015, 119, 6155-6161.	2.5	36
14	Photoisomerization and Relaxation Dynamics of a Structurally Modified Biomimetic Photoswitch. Journal of Physical Chemistry A, 2012, 116, 3527-3533.	2.5	33
15	Saturable Absorption in Solution-Phase and Cavity-Coupled Tungsten Hexacarbonyl. ACS Photonics, 2019, 6, 2719-2725.	6.6	24
16	The Influence of Vibrational Excitation on the Photoisomerization of <i>trans</i> -Stillbene in Solution. Journal of Physical Chemistry A, 2010, 114, 9788-9794.	2.5	21
17	Static and Time-Resolved Terahertz Measurements of Photoconductivity in Solution-Deposited Ruthenium Dioxide Nanofilms. Journal of Physical Chemistry C, 2017, 121, 4037-4044.	3.1	17
18	Ultrafast Active Tuning of the Berreman Mode. ACS Photonics, 2020, 7, 279-287.	6.6	14

#	ARTICLE	IF	CITATIONS
19	Hyperbolic phonon polariton resonances in calcite nanopillars. <i>Optics Express</i> , 2021, 29, 11760.	3.4	13
20	Comparative analysis of polaritons in bulk, dielectric slabs, and planar cavities with implications for cavity-modified reactivity. <i>Journal of Chemical Physics</i> , 2022, 156, 034110.	3.0	13
21	Transient Optical and Terahertz Spectroscopy of Nanoscale Films of RuO ₂ . <i>Plasmonics</i> , 2017, 12, 743-750.	3.4	6
22	Solvent Dependent Dynamics of Salicylidene Aniline in Binary Mixtures of Supercritical CO ₂ with 1-Propanol or Cyclohexane. <i>Journal of Physical Chemistry B</i> , 2017, 121, 835-842.	2.6	5
23	Rapid Bimolecular and Defect-Assisted Carrier Recombination in Hexagonal Boron Nitride. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14689-14695.	3.1	2
24	Vibrational relaxation of small anions in a polymer film. <i>Chemical Physics</i> , 2018, 512, 75-81.	1.9	1
25	Charge carrier spatial distribution effects in photomodulated reflectivity of 4H-SiC and GaN. <i>Journal of Applied Physics</i> , 2020, 128, 103102.	2.5	1
26	Probing Vibration-Cavity Polariton Dynamics via Ultrafast Infrared Spectroscopy. , 2018, , .		0
27	Examining Vibration-Cavity Polariton Dynamics via Ultrafast Infrared Spectroscopy. , 2019, , .		0