

# Joel D Eaves

## List of Publications by Year in descending order

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25  
papers

753  
citations

687363

13  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triplet-pair spin signatures from macroscopically aligned heteroacenes in an oriented single crystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	14
2	Multidimensional Nano-Imaging of Structure, Coupling, and Disorder in Molecular Materials. <i>Nano Letters</i> , 2021, 21, 6463-6470.	9.1	5
3	Clock transitions guard against spin decoherence in singlet fission. <i>Journal of Chemical Physics</i> , 2021, 155, 194109.	3.0	5
4	The Motion of Trapped Holes on Nanocrystal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9876-9885.	4.6	4
5	Singlet fission for quantum information and quantum computing: the parallel JDE model. <i>Scientific Reports</i> , 2020, 10, 18480.	3.3	42
6	Surface-Trapped Hole Diffusion in CdS and CdSe: The Superexchange Mechanism. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28244-28251.	3.1	2
7	Temperature-Dependent Transient Absorption Spectroscopy Elucidates Trapped-Hole Dynamics in CdS and CdSe Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2782-2787.	4.6	19
8	Quantum Efficiency of Charge Transfer Competing against Nonexponential Processes: The Case of Electron Transfer from CdS Nanorods to Hydrogenase. <i>Journal of Physical Chemistry C</i> , 2019, 123, 886-896.	3.1	24
9	Nanocrystalline Iron Monosulfides Near Stoichiometry. <i>Scientific Reports</i> , 2018, 8, 6591.	3.3	11
10	On the Nature of Trapped-Hole States in CdS Nanocrystals and the Mechanism of Their Diffusion. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3532-3537.	4.6	24
11	Trapped-Hole Diffusion in Photoexcited CdSe Nanorods. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16974-16982.	3.1	16
12	Linear Response Theory for Water Transport Through Dry Nanopores. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5377-5382.	2.5	0
13	The Dynamics of Water in Porous Two-Dimensional Crystals. <i>Journal of Physical Chemistry B</i> , 2017, 121, 189-207.	2.6	12
14	Observation of trapped-hole diffusion on the surfaces of CdS nanorods. <i>Nature Chemistry</i> , 2016, 8, 1061-1066.	13.6	108
15	Atomistic Hydrodynamics and the Dynamical Hydrophobic Effect in Porous Graphene. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1907-1912.	4.6	25
16	Tetracene Aggregation on Polar and Nonpolar Surfaces: Implications for Singlet Fission. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1209-1215.	4.6	11
17	DNA Motion Capture Reveals the Mechanical Properties of DNA at the Mesoscale. <i>Biophysical Journal</i> , 2015, 108, 2532-2540.	0.5	18
18	Nanoscale Probing of Dynamics in Local Molecular Environments. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4616-4621.	4.6	22

#	ARTICLE	IF	CITATIONS
19	Competition between electron transfer, trapping, and recombination in CdS nanorod-hydrogenase complexes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5538-5542.	2.8	45
20	Collective aspects of singlet fission in molecular crystals. <i>Journal of Chemical Physics</i> , 2015, 143, 044118.	3.0	36
21	Flocking with minimal cooperativity: The panic model. <i>Physical Review E</i> , 2014, 89, 012718.	2.1	9
22	Reentrance in an active glass mixture. <i>Soft Matter</i> , 2014, 10, 7495-7501.	2.7	9
23	The Tunable Hydrophobic Effect on Electrically Doped Graphene. <i>Journal of Physical Chemistry B</i> , 2014, 118, 530-536.	2.6	46
24	Carrier Transport in Heterojunction Nanocrystals Under Strain. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 791-795.	4.6	8
25	Theory of coherent resonance energy transfer. <i>Journal of Chemical Physics</i> , 2008, 129, 101104.	3.0	238