

Raphael David Levine

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

883
citations

1163065

8
h-index

1281846

11
g-index

13
all docs

13
docs citations

13
times ranked

1271
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA computing circuits using libraries of DNAzyme subunits. <i>Nature Nanotechnology</i> , 2010, 5, 417-422.	31.5	412
2	Architectonic Quantum Dot Solids. <i>Accounts of Chemical Research</i> , 1999, 32, 415-423.	15.6	349
3	Room-Temperature Inter-Dot Coherent Dynamics in Multilayer Quantum Dot Materials. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16222-16231.	3.1	27
4	Fast Energy Transfer in CdSe Quantum Dot Layered Structures: Controlling Coupling with Covalent-Bond Organic Linkers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5753-5758.	3.1	22
5	Critical Points in Tumorigenesis: A Carcinogen-Initiated Phase Transition Analyzed via Single-Cell Proteomics. <i>Small</i> , 2016, 12, 1425-1431.	10.0	19
6	Maximal Entropy Approach for Quantum State Tomography. <i>PRX Quantum</i> , 2021, 2, .	9.2	17
7	Nuclear Motion Driven Ultrafast Photodissociative Charge Transfer of the PENNA Cation: An Experimental and Computational Study. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1442-1447.	2.5	16
8	Convergence of a Reconstructed Density Matrix to a Pure State Using the Maximal Entropy Approach. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7588-7595.	2.5	10
9	Addressing the Challenge of Molecular Change: An Interim Report. <i>Annual Review of Physical Chemistry</i> , 2018, 69, 1-21.	10.8	6
10	Implementation of Multivariable Logic Functions in Parallel by Electrically Addressing a Molecule of Three Dopants in Silicon. <i>ChemPhysChem</i> , 2017, 18, 1790-1797.	2.1	3
11	Implementation of Probabilistic Algorithms by Multi-Chromophoric Molecular Networks with Application to Multiple Travelling Pathways. <i>ChemPhysChem</i> , 2017, 18, 1782-1789.	2.1	2