

Michal Langer

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

256
citations

1162889
8
h-index

1474057
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g-index

9
all docs

9
docs citations

9
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and challenges in understanding of photoluminescence properties of carbon dots based on theoretical computations. <i>Applied Materials Today</i> , 2021, 22, 100924.	2.3	57
2	Structural Dynamics of Carbon Dots in Water and <i>N,N</i> -Dimethylformamide Probed by All-Atom Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 2076-2083.	2.3	41
3	Carbon Dots Detect Water-to-Ice Phase Transition and Act as Alcohol Sensors <i>via</i> Fluorescence Turn-Off/On Mechanism. <i>ACS Nano</i> , 2021, 15, 6582-6593.	7.3	34
4	Transparent and Low-Loss Luminescent Solar Concentrators Based on Self-Trapped Exciton Emission in Lead-Free Double Perovskite Nanocrystals. <i>ACS Applied Energy Materials</i> , 2021, 4, 6445-6453.	2.5	27
5	Ion Interactions across Graphene in Electrolyte Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9799-9806.	1.5	25
6	Conformational Behavior and Optical Properties of a Fluorophore Dimer as a Model of Luminescent Centers in Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14327-14337.	1.5	25
7	Molecular Fluorophores Self-Organize into C-Dot Seeds and Incorporate into C-Dot Structures. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8252-8258.	2.1	24
8	Contribution of the Molecular Fluorophore IPCA to Excitation-Independent Photoluminescence of Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12140-12148.	1.5	22
9	Stretch-Healable Molecular Nanofibers. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000094.	1.3	1