

Davide Raffaele Ceratti

List of Publications by Year in descending order

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papers

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times ranked

1576
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#	ARTICLE	IF	CITATIONS
1	2D Pb-Halide Perovskites Can Self-Heal Photodamage Better than 3D Ones. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	11
2	The pursuit of stability in halide perovskites: the monovalent cation and the key for surface and bulk self-healing. <i>Materials Horizons</i> , 2021, 8, 1570-1586.	12.2	29
3	CsPbBr ₃ , MAPbBr ₃ , and FAPbBr ₃ Bromide Perovskite Single Crystals: Interband Critical Points under Dry N ₂ and Optical Degradation under Humid Air. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4938-4945.	3.1	26
4	Response to Comment on "Eppur si Muove: Proton Diffusion in Halide Perovskite Single Crystals" Measure What is Measurable, and Make Measurable What is Not So: Discrepancies between Proton Diffusion in Halide Perovskite Single Crystals and Thin Films. <i>Advanced Materials</i> , 2021, 33, e2102822.	21.0	4
5	Defects in Hybrid Perovskites: The Secret of Efficient Charge Transport. <i>Advanced Functional Materials</i> , 2021, 31, 2104467.	14.9	24
6	Defects in Hybrid Perovskites: The Secret of Efficient Charge Transport (<i>Adv. Funct. Mater.</i> 48/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170355.	14.9	2
7	Ionic Diffusion, Nanoparticle Formation and Trapping Within Sol-Gel Made Pillared Planar Nanochannels in a Simple Microfluidic Device. <i>ChemNanoMat</i> , 2020, 6, 392-403.	2.8	0
8	Eppur si Muove: Proton Diffusion in Halide Perovskite Single Crystals. <i>Advanced Materials</i> , 2020, 32, e2002467.	21.0	50
9	Temperature-Dependent Optical Band Gap in CsPbBr ₃ , MAPbBr ₃ , and FAPbBr ₃ Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2490-2496.	4.6	173
10	Self-Healing Inside APbBr ₃ Halide Perovskite Crystals. <i>Advanced Materials</i> , 2018, 30, 1706273.	21.0	149
11	Can we use <i>time-resolved</i> measurements to get <i>steady-state</i> transport data for halide perovskites?. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	39
12	Nanoimprinted, Submicrometric, MOF-Based 2D Photonic Structures: Toward Easy Selective Vapors Sensing by a Smartphone Camera. <i>Advanced Functional Materials</i> , 2016, 26, 81-90.	14.9	85
13	Vapor Sensing: Nanoimprinted, Submicrometric, MOF-Based 2D Photonic Structures: Toward Easy Selective Vapors Sensing by a Smartphone Camera (<i>Adv. Funct. Mater.</i> 1/2016). <i>Advanced Functional Materials</i> , 2016, 26, 80-80.	14.9	1
14	A New Dip Coating Method to Obtain Large-Surface Coatings with a Minimum of Solution. <i>Advanced Materials</i> , 2015, 27, 4958-4962.	21.0	64
15	Critical effect of pore characteristics on capillary infiltration in mesoporous films. <i>Nanoscale</i> , 2015, 7, 5371-5382.	5.6	63
16	Stochastic rotation dynamics simulation of electro-osmosis. <i>Molecular Physics</i> , 2015, 113, 2476-2486.	1.7	7
17	Engineering Functionality Gradients by Dip Coating Process in Acceleration Mode. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17102-17110.	8.0	51
18	Alcohol-Assisted Water Condensation and Stabilization into Hydrophobic Mesoporosity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23907-23917.	3.1	19

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19	USPIO-loaded red blood cells as a biomimetic MR contrast agent: a relaxometric study. Contrast Media and Molecular Imaging, 2014, 9, 229-236.	0.8	18