

Julian Mars

List of Publications by Year in descending order

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25
papers

778
citations

687363

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713466

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26
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroelastic Fingerprints in Methylammonium Lead Iodide Perovskite. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5724-5731.	3.1	154
2	Humidity-Induced Grain Boundaries in MAPbI ₃ Perovskite Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6363-6368.	3.1	103
3	The Catalytic Effect of Fluoroalcohol Mixtures Depends on Domain Formation. <i>ACS Catalysis</i> , 2017, 7, 1846-1852.	11.2	98
4	Influence of chain topology on polymer crystallization: poly(ethylene oxide) (PEO) rings vs. linear chains. <i>Soft Matter</i> , 2016, 12, 8124-8134.	2.7	63
5	Molecular scale structure and dynamics at an ionic liquid/electrode interface. <i>Faraday Discussions</i> , 2017, 206, 141-157.	3.2	57
6	Water-in-Salt LiTFSI Aqueous Electrolytes. 1. Liquid Structure from Combined Molecular Dynamics Simulation and Experimental Studies. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4501-4513.	2.6	52
7	Mesoscopic Correlation Functions in Heterogeneous Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2017, 121, 620-629.	2.6	42
8	Toward Unraveling the Origin of Lithium Fluoride in the Solid Electrolyte Interphase. <i>Chemistry of Materials</i> , 2021, 33, 7315-7336.	6.7	39
9	Surface induced smectic order in ionic liquids – an X-ray reflectivity study of [C ₂₂ C ₁ im] ⁺ [NTf ₂] ⁻ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26651-26661.	2.8	37
10	Anisotropic carrier diffusion in single MAPbI ₃ grains correlates to their twin domains. <i>Energy and Environmental Science</i> , 2020, 13, 4168-4177.	30.8	27
11	Structure and Dynamics of Confined Liquids: Challenges and Perspectives for the X-ray Surface Forces Apparatus. <i>Langmuir</i> , 2019, 35, 16679-16692.	3.5	23
12	Interfacial premelting of ice in nano composite materials. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3734-3741.	2.8	20
13	Salt-induced microheterogeneities in binary liquid mixtures. <i>Physical Review E</i> , 2017, 96, 022603.	2.1	13
14	Controlling the crystal structure of precisely spaced polyethylene-like polyphosphoesters. <i>Polymer Chemistry</i> , 2020, 11, 3404-3415.	3.9	13
15	Water Mobility in the Interfacial Liquid Layer of Ice/Clay Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7697-7702.	13.8	11
16	Ammonium enables reversible aqueous Zn battery chemistries by tailoring the interphase. <i>One Earth</i> , 2022, 5, 413-421.	6.8	10
17	Synthesis and Crystallization of Atomic Layer Deposition \hat{I}^2 -Eucryptite LiAlSiO ₄ Thin-Film Solid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56935-56942.	8.0	6
18	Covalently Linked, Two-Dimensional Quantum Dot Assemblies. <i>Langmuir</i> , 2020, 36, 9944-9951.	3.5	4

#	ARTICLE	IF	CITATIONS
19	Complex coacervation of food grade antimicrobial lauric arginate with lambda carrageenan. Current Research in Food Science, 2021, 4, 53-62.	5.8	3
20	WassermobilitÄt in der grenzflÄcheninduzierten Schmelzschicht von Eis/TonmineralÄNanokompositen. Angewandte Chemie, 2021, 133, 7775-7781.	2.0	1
21	Anisotropic Charge Carrier Diffusion Correlated to Ferroelastic Twin Domains in MAPbI3 Perovskite. , O, , .		0
22	Nucleation, Growth, and Properties of the Solid Electrolyte Interphase â€“ a Multimodal Approach Using a Model System. ECS Meeting Abstracts, 2020, MA2020-02, 860-860.	0.0	0
23	(Invited) Conformal Deposition of Li-Based Thin Films for 3D Lithium-Ion Microbatteries. ECS Meeting Abstracts, 2020, MA2020-02, 1464-1464.	0.0	0
24	Interfacial Evolution of Layered Oxides in Li-Ion Batteries: Chemical Transformation of Thin-Film Cathodes. ECS Meeting Abstracts, 2020, MA2020-02, 661-661.	0.0	0
25	Potential Dependent Ion Arrangement Near the Electrode/Electrolyte Interface. ECS Meeting Abstracts, 2020, MA2020-02, 719-719.	0.0	0