

Saeid Biria

List of Publications by Year in descending order

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311
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20
docs citations

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#	ARTICLE	IF	CITATIONS
1	Gel Polymer Electrolytes Based on Cross-Linked Poly(ethylene glycol) Diacrylate for Calcium-Ion Conduction. ACS Omega, 2021, 6, 17095-17102.	1.6	13
2	Superhydrophobic Polymer Composite Surfaces Developed via Photopolymerization. ACS Applied Polymer Materials, 2021, 3, 4661-4672.	2.0	4
3	A Solid Polymer Electrolyte from Photo-Crosslinked Polytetrahydrofuran and a Cycloaliphatic Epoxide for Lithium-Ion Conduction. MRS Advances, 2020, 5, 2467-2476.	0.5	4
4	Observation of intensity dependent phase-separation in photoreactive monomerâ€“nanoparticle formulations under non-uniform visible light irradiation. Soft Matter, 2020, 16, 7256-7269.	1.2	7
5	Plating and Stripping Calcium at Room Temperature in an Ionic-Liquid Electrolyte. ACS Applied Energy Materials, 2020, 3, 2310-2314.	2.5	36
6	A Highly Conductive and Thermally Stable Ionic Liquid Gel Electrolyte for Calcium-Ion Batteries. ACS Applied Polymer Materials, 2020, 2, 2111-2118.	2.0	30
7	Direct Lightâ€“Writing of Nanoparticleâ€“Based Metalloâ€“Dielectric Optical Waveguide Arrays Over Silicon Solar Cells for Wideâ€“Angle Light Collecting Modules. Advanced Optical Materials, 2019, 7, 1900661.	3.6	10
8	Plating and Stripping of Calcium in an Alkyl Carbonate Electrolyte at Room Temperature. ACS Applied Energy Materials, 2019, 2, 7738-7743.	2.5	30
9	Waveguide-Imprinted Slim Polymer Films: Beam Steering Coatings for Solar Cells. ACS Photonics, 2019, 6, 878-885.	3.2	9
10	Microfiber Optic Arrays as Top Coatings for Front-Contact Solar Cells toward Mitigation of Shading Loss. ACS Applied Materials & Interfaces, 2019, 11, 47422-47427.	4.0	13
11	Enhanced Wideâ€“Angle Energy Conversion Using Structureâ€“Tunable Waveguide Arrays as Encapsulation Materials for Silicon Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800716.	0.8	9
12	Prototyping of Superhydrophobic Surfaces from Structureâ€“Tunable Micropillar Arrays Using Visible Light Photocuring. Advanced Engineering Materials, 2019, 21, 1801150.	1.6	9
13	Polymer Encapsulants Incorporating Lightâ€“Guiding Architectures to Increase Optical Energy Conversion in Solar Cells. Advanced Materials, 2018, 30, 1705382.	11.1	14
14	Superhydrophobic Microporous Substrates via Photocuring: Coupling Optical Pattern Formation to Phase Separation for Process-Tunable Pore Architectures. ACS Applied Materials & Interfaces, 2018, 10, 3094-3105.	4.0	19
15	Control of Morphology in Polymer Blends through Light Self-Trapping: An <i>in Situ</i> Study of Structure Evolution, Reaction Kinetics, and Phase Separation. Macromolecules, 2017, 50, 3617-3626.	2.2	33
16	Coupling nonlinear optical waves to photoreactive and phase-separating soft matter: Current status and perspectives. Chaos, 2017, 27, 104611.	1.0	15
17	Synthesis of Micropillar Arrays via Photopolymerization: An <i>in Situ</i> Study of Light-Induced Formation, Growth Kinetics, and the Influence of Oxygen Inhibition. Macromolecules, 2017, 50, 5767-5778.	2.2	25
18	Simulations of Morphology Evolution in Polymer Blends during Light Self-Trapping. Journal of Physical Chemistry C, 2017, 121, 11717-11726.	1.5	7

#	ARTICLE	IF	CITATIONS
19	Tunable Nonlinear Optical Pattern Formation and Microstructure in Cross-Linking Acrylate Systems during Free-Radical Polymerization. Journal of Physical Chemistry C, 2016, 120, 4517-4528.	1.5	24