

Yunlong Guo

List of Publications by Year in descending order

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27
papers

756
citations

623734

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552781

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27
docs citations

27
times ranked

841
citing authors

#	ARTICLE	IF	CITATIONS
1	Class Transition Temperature of Polymer Nanoparticles under Soft and Hard Confinement. <i>Macromolecules</i> , 2011, 44, 4001-4006.	4.8	179
2	Ultrastable nanostructured polymer glasses. <i>Nature Materials</i> , 2012, 11, 337-343.	27.5	150
3	Structural Relaxation of Polymer Nanospheres under Soft and Hard Confinement: Isobaric versus Isochoric Conditions. <i>ACS Nano</i> , 2011, 5, 5365-5373.	14.6	58
4	Ultrathin salt-free polymer-in-ceramic electrolyte for solid-state sodium batteries. <i>EScience</i> , 2021, 1, 194-202.	41.6	47
5	Fragility of an Isochorically Confined Polymer Glass. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 431-436.	4.6	41
6	Isothermal physical aging characterization of Polyether-ether-ketone (PEEK) and Polyphenylene sulfide (PPS) films by creep and stress relaxation. <i>Mechanics of Time-Dependent Materials</i> , 2007, 11, 61-89.	4.4	36
7	Confined glassy properties of polymer nanoparticles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 574-586.	2.1	30
8	Long-term creep of polyphenylene sulfide (PPS) subjected to complex thermal histories: The effects of nonisothermal physical aging. <i>Polymer</i> , 2009, 50, 4048-4055.	3.8	25
9	Characteristic Length of the Glass Transition in Isochorically Confined Polymer Glasses. <i>ACS Macro Letters</i> , 2014, 3, 501-505.	4.8	21
10	Spatially Distributed Rheological Properties in Confined Polymers by Noncontact Shear. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1229-1234.	4.6	21
11	Nanostructured morphology of polymer films prepared by matrix assisted pulsed laser evaporation. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 771-777.	2.3	20
12	Additive Growth and Crystallization of Polymer Films. <i>Macromolecules</i> , 2016, 49, 2860-2867.	4.8	17
13	Understanding and controlling gold nanoparticle formation from a robust self-assembled cyclodextrin solid template. <i>Journal of Materials Chemistry</i> , 2012, 22, 6017.	6.7	14
14	A quantitative correlation between macromolecular crystallinity and ionic conductivity in polymer-ceramic composite solid electrolytes. <i>Materials Today Communications</i> , 2020, 24, 101004.	1.9	14
15	Silicon Quantum Dot Luminescent Solar Concentrators and Downshifters with Antireflection Coatings for Enhancing Perovskite Solar Cell Performance. <i>ACS Photonics</i> , 2021, 8, 2392-2399.	6.6	14
16	Modeling mechanical aging shift factors in glassy polymers during nonisothermal physical aging. I. Experiments and a model prediction. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 340-352.	2.1	13
17	Enthalpy Relaxation and Morphology Evolution in Polystyrene- <i>b</i> -poly(methyl methacrylate) Diblock Copolymer. <i>Macromolecules</i> , 2018, 51, 7368-7376.	4.8	10
18	Melt crystallization and segmental dynamics of poly(ethylene oxide) confined in a solid electrolyte composite. <i>Journal of Polymer Science</i> , 2020, 58, 466-477.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Features of structural relaxation in diblock copolymers. <i>Polymer Testing</i> , 2017, 60, 1-5.	4.8	6
20	Accelerated Aging of PS Blocks in PS- <i>b</i> -PMMA Diblock Copolymer under Hard Confinement. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2448-2453.	2.6	6
21	Electric Field Enhances Shear Resistance of Polymer Melts via Orientational Polarization in Microstructures. <i>Polymers</i> , 2020, 12, 335.	4.5	6
22	Nanoconfinement Controls Mechanical Properties of Elastomeric Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8072-8079.	4.6	6
23	Bilayer PMMA antireflective coatings via microphase separation and MAPLE. <i>Journal of Polymer Engineering</i> , 2021, 41, 164-173.	1.4	4
24	Segmental and interfacial dynamics quantitatively determine ion transport in solid polymer composite electrolytes. <i>Journal of Applied Polymer Science</i> , 0, , 52143.	2.6	4
25	Enhanced Electrorheological Properties of PMMA-Titanium Oxide Nanocomposites. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3411-3421.	4.4	2
26	Physical aging of polystyrene blocks under three-dimensional soft confinement in <i>PS-b-poly(n-butyl methacrylate)</i> diblock copolymer: Two equilibrations on the way. <i>Journal of Polymer Science</i> , 2021, 59, 300-311.	3.8	2
27	A micro-vibration apparatus for dynamic mechanical analysis of ultrathin polymer films. <i>Review of Scientific Instruments</i> , 2021, 92, 103904.	1.3	1