

Kevin A Masser

List of Publications by Year in descending order

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papers

552
citations

623734

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docs citations

28
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming the structural versus energy dissipation trade-off in highly crosslinked polymer networks: Ultrahigh strain rate response in polydicyclopentadiene. <i>Composites Science and Technology</i> , 2015, 114, 17-25.	7.8	63
2	Influence of molecular weight between crosslinks on the mechanical properties of polymers formed via ring-opening metathesis. <i>Soft Matter</i> , 2018, 14, 3344-3360.	2.7	60
3	Ordering and Crystallization of Entangled Polyethylene Melts under Uniaxial Tension: A Molecular Dynamics Study. <i>Macromolecules</i> , 2018, 51, 9635-9648.	4.8	49
4	Failure processes governing high-rate impact resistance of epoxy resins filled with core-shell rubber nanoparticles. <i>Journal of Materials Science</i> , 2016, 51, 2347-2370.	3.7	45
5	Segmented polyurethanes derived from novel siloxane-carbonate soft segments for biomedical applications. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 865-872.	2.1	38
6	Dielectric Relaxation Spectroscopy of Gradient Copolymers and Block Copolymers: Comparison of Breadths in Relaxation Time for Systems with Increasing Interphase. <i>Macromolecules</i> , 2010, 43, 5740-5748.	4.8	31
7	Relating structure and chain dynamics to ballistic performance in transparent epoxy networks exhibiting nanometer scale heterogeneity. <i>Polymer</i> , 2015, 58, 96-106.	3.8	30
8	Synthesis of triblock copolymers composed of poly(vinylidene fluoride-co-hexafluoropropylene) and ionic liquid segments. <i>Journal of Materials Chemistry</i> , 2012, 22, 341-344.	6.7	28
9	Local Relaxation Behavior and Dynamic Fragility in Hydrogen Bonded Polymer Blends. <i>Macromolecules</i> , 2010, 43, 9004-9013.	4.8	27
10	The effect of water content on chain dynamics in nafion membranes measured by neutron spin echo and dielectric spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 624-632.	2.1	25
11	Influence of nano-scale morphology on impact toughness of epoxy blends. <i>Polymer</i> , 2016, 103, 337-346.	3.8	22
12	Dynamics of Polymer Blends of a Strongly Interassociating Homopolymer with Poly(vinyl methyl) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	4.8	21
13	Dynamic heterogeneity in epoxy networks for protection applications. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	20
14	Influence of temperature dependent matrix properties on the high-rate impact performance of thin glass fiber reinforced composites. <i>Composites Part B: Engineering</i> , 2020, 192, 108009.	12.0	18
15	Polymer Chain Dynamics in Intercalated Poly(μ -caprolactone)/Nanoplatelet Blends. <i>Macromolecules</i> , 2013, 46, 2235-2240.	4.8	16
16	The temperature-dependent ballistic performance and the ductile-to-brittle transition in polymer networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 511-523.	2.1	15
17	Influence of Hydroxyl Group Concentration on Mechanical Properties and Impact Resistance of ROMP Copolymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2414-2425.	4.4	13
18	Dynamics of concentrated solutions of low molecular weight phenolics and poly(2-vinylpyridine): Role of intermolecular hydrogen bonding. <i>Polymer</i> , 2009, 50, 2424-2435.	3.8	6

#	ARTICLE	IF	CITATIONS
19	Ballistic Response of Polydicyclopentadiene vs. Epoxy Resins and Effects of Crosslinking. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 285-290.	0.5	5
20	A comparison of rheology, dielectric response, and calorimetry within indane-based glass-formers. Journal of Non-Crystalline Solids, 2006, 352, 4776-4784.	3.1	4
21	Dynamics of Poly(vinylmethyl ether) Blends with a Strongly Interassociating Copolymer. Macromolecular Symposia, 2009, 279, 221-227.	0.7	4
22	Tensile Properties and Rate Dependence of a Dual Amine Epoxy Network. Journal of Dynamic Behavior of Materials, 2016, 2, 112-121.	1.7	4
23	Dynamics of main-chain liquid crystalline polysiloxanes containing p-phenyleneterephthalate mesogens. Journal of Non-Crystalline Solids, 2010, 356, 578-581.	3.1	3
24	Observations of compression and fracture in polymer networks subjected to impact loading. Engineering Fracture Mechanics, 2019, 216, 106487.	4.3	2
25	Transparent, methacrylate-based polymer networks with controlled crosslinker ductility. Journal of Applied Polymer Science, 2021, 138, 49703.	2.6	1
26	Application of the small-angle scattering invariant to morphological behavior in ballistic materials. Journal of Applied Polymer Science, 2021, 138, 50478.	2.6	1
27	Role of Glass Transition Temperature on Energy Absorption Mechanisms in High Strain Rate Impact Performance of Fiber Reinforced Composites. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 99-104.	0.5	1
28	Failure Processes Governing High Rate Impact Resistance of Epoxy Resins Filled with Core Shell Rubber Nanoparticles. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 271-283.	0.5	0