Libor Matejka

List of Publications by Year
in descending order

39 papers	1,759 citations	279798 23 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	1633 citing authors

#	Article	IF	Citations
1	Tremendous reinforcing, pore-stabilizing and response-accelerating effect of <i>in situ</i> generated nanosilica in thermoresponsive poly(<i>N</i> -isopropylacrylamide) cryogels. Polymer International, 2017, 66, 1510-1521.	3.1	15
2	Recent Applications of Ionic Liquids in the Sol-Gel Process for Polymerâ€“Silica Nanocomposites with Ionic Interfaces. Colloids and Interfaces, 2017, 1, 5.	2.1	33
3	Highâ€<i>T_g</i>, heat resistant epoxyâ€“silica hybrids with a low content of silica generated by nonaqueous solâ€“gel process. Journal of Applied Polymer Science, 2014, 131, .	2.6	8
4	Self-assembly of POSS-containing block copolymers: Fixing the hierarchical structure in networks. Polymer, 2014, 55, 126-136.	3.8	22
5	Epoxy-silica hybrids by nonaqueous solâ€“gel process. Polymer, 2013, 54, 6271-6282.	3.8	45
6	Tunable reinforcement of epoxy-silica nanocomposites with ionic liquids. Journal of Materials Chemistry, 2012, 22, 9939.	6.7	36
7	Preparation of Novel, Nanocomposite Stannoxane-Based Organicâ€“Inorganic Epoxy Polymers containing Ionic bonds. Macromolecules, 2012, 45, 221-237.	4.8	23
8	Effect of POSS on thermomechanical properties of epoxyâ€“POSS nanocomposites. European Polymer Journal, 2012, 48, 260-274.	5.4	69
9	The multifunctional role of ionic liquids in the formation of epoxy-silica nanocomposites. Journal of Materials Chemistry, 2011, 21, 13801.	6.7	44
10	Fast Synthesis of Nanostructured Microspheres of a Bridged Silsesquioxane via Ultrasoundâ€Assisted Solâ€“Gel Processing. Macromolecular Chemistry and Physics, 2009, 210, 172-178.	2.2	2
11	Modification of carbon nanotubes and its effect on properties of carbon nanotube/epoxy nanocomposites. Polymer Composites, 2009, 30, 1378-1387.	4.6	67
12	Epoxy-silica/silsesquioxane Polymer Nanocomposites. , 2009, , 1-84.		3
13	Formation of nanostructured epoxy networks containing polyhedral oligomeric silsesquioxane (POSS) blocks. Polymer, 2007, 48, 3041-3058.	3.8	94
14	Curing of epoxy systems at sub-glass transition temperature. Journal of Applied Polymer Science, 2006, 99, 3669-3676.	2.6	12
15	Organization in solâ€“gel polymerization of methacrylate co-oligomers containing trimethoxysilylpropyl methacrylate. Polymer, 2005, 46, 11232-11240.	3.8	4
16	Epoxy Networks Reinforced with Polyhedral Oligomeric Silsesquioxanes (POSS). Thermomechanical Properties. Macromolecules, 2004, 37, 9457-9464.	4.8	188
17	Epoxy Networks Reinforced with Polyhedral Oligomeric Silsesquioxanes (POSS). Structure and Morphology. Macromolecules, 2004, 37, 9449-9456.	4.8	198
18	Preparation and characterization of hybrid organic-inorganic epoxide-based films and coatings prepared by the sol-gel process. Journal of Applied Polymer Science, 2004, 92, 937-950.	2.6	32

#	Article	IF	Citations
19	Block-copolymer organicâ€“inorganic networks. Structure, morphology and thermomechanical properties. Polymer, 2004, 45, 3267-3276.	3.8	25
20	Block Copolymer Organicâˆ'Inorganic Networks. Formation and Structure Ordering. Macromolecules, 2003, 36, 7977-7985.	4.8	57
21	Cyclization and Self-Organization in Polymerization of Trialkoxysilanes. Macromolecules, 2001, 34, 6904-6914.	4.8	88
22	Polybutadiene-based polyurethanes with controlled properties: preparation and characterization. Journal of Applied Polymer Science, 2000, 77, 381-389.	2.6	31
23	Cage-like structure formation during solâ€“gel polymerization of glycidyloxypropyltrimethoxysilane. Journal of Non-Crystalline Solids, 2000, 270, 34-47.	3.1	89
24	Amine Cured Epoxide Networks:Â Formation, Structure, and Propertiesâ€. Macromolecules, 2000, 33, 3611-3619.	4.8	52
25	Formation and structure of the epoxy-silica hybrids. Polymer, 1999, 40, 171-181.	3.8	142
26	Structure evolution in epoxyâ€“silica hybrids: solâ€“gel process. Journal of Non-Crystalline Solids, 1998, 226, 114-121.	3.1	84
27	Model reactions of amine curing of glycidylamine epoxy resins: Homopolymerization of N-methylglycidylaniline. Journal of Polymer Science Part A, 1992, 30, 2109-2120.	2.3	10
28	Cyclization in amine-cured N,N-diglycidylaniline epoxy resins. Polymer, 1991, 32, 3190-3194.	3.8	15
29	Influence of the reaction mechanism on network formation in amine-cured N,N-diglycidylamine epoxy resins. Polymer, 1991, 32, 3195-3200.	3.8	13
30	Rheology of epoxy networks near the gel point. Polymer Bulletin, 1991, 26, 109-116.	3.3	71
31	Formation of Epoxy Networks, Including Reactive Liquid Elastomers. Advances in Chemistry Series, 1989, , 303-318.	0.6	3
32	Curing of epoxides. Reaction of dicyanodiamide with phenylglycidyl ether. Angewandte Makromolekulare Chemie, 1989, 172, 185-194.	0.2	13
33	Mechanism and kinetics of curing of epoxides based on diglycidylamine with aromatic amines. 2. The reaction between diglycidylaniline and aniline. Macromolecules, 1989, 22, 2911-2917.	4.8	29
34	Curing of epoxy resins with amines. Polymer Bulletin, 1985, 14, 309-315.	3.3	29
35	Polymerization of dicyclopentadiene: A new reaction injection molding system. Journal of Applied Polymer Science, 1985, 30, 2787-2803.	2.6	45
36	Title is missing!. Die Makromolekulare Chemie, 1985, 186, 2025-2036.	1.1	33

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37	Dynamic and static light scattering from critically branched polymer solutions. Die Makromolekulare Chemie, 1984, 185, 2543-2552.	1.1	14
38	Transesterification and Gelation of Polyhydroxy Esters Formed from Diepoxides and Dicarboxylic Acids. Advances in Chemistry Series, 1984, , 15-26.	0.6	15
39	Polyhedral oligomeric silsesquioxane (POSS)-based epoxy nanocomposite involving a reversible Dielsâ€"Alder-type network as a self-healing material. Journal of Adhesion Science and Technology, 0, , 1-22.	2.6	3