Karel DuÅ¡ek

List of Publications by Year in descending order

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176	5,670	81889	106340
papers	citations	39 h-index	65 g-index

181	181	181	2920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Network structure formation during crosslinking of organic coating systems. Progress in Polymer Science, 2000, 25, 1215-1260.	24.7	202
2	Network formation in curing of epoxy resins. , 1986, , 1-59.		169
3	Zero and Off-Zero Critical Concentrations in Systems Containing Polydisperse Polymersâ€with Very High Molar Masses. 2. The System Waterâ˜Poly(vinyl methyl ether). Macromolecules, 1997, 30, 410-416.	4.8	160
4	Structure and Properties of Triolein-Based Polyurethane Networks. Biomacromolecules, 2002, 3, 1048-1056.	5.4	152
5	Formation and structure of the epoxy-silica hybrids. Polymer, 1999, 40, 171-181.	3.8	142
6	Features of network formation in the chain crosslinking (co)polymerization. Polymer Bulletin, 1980, 3-3, 19-25.	3.3	126
7	Are cured epoxy resins inhomogeneous?. Polymer, 1978, 19, 393-397.	3.8	121
8	Deformational, swelling, and potentiometric behavior of ionized poly(methacrylic acid) gels. I. Theory. Journal of Polymer Science, Polymer Physics Edition, 1975, 13, 253-262.	1.0	120
9	Curing epoxy resins with anhydrides. Model reactions and reaction mechanism. Journal of Polymer Science: Polymer Chemistry Edition, 1983, 21, 2873-2885.	0.8	119
10	Phase Transitions in Swollen Networks. Macromolecules, 1995, 28, 1103-1107.	4.8	119
11	Cyclization in vinyl-divinyl copolymerization. Polymer, 1980, 21, 750-756.	3.8	116
12	Simulation of polymer network formation by the Monte Carlo method. Macromolecules, 1982, 15, 93-99.	4.8	116
13	Phase Transitions in Swollen Networks. 3. Swelling Behavior of Radiation Cross-Linked Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	109
14	Role of cyclization in the degree-of-polymerization distribution of hyperbranched polymers. Polymer Bulletin, 1999, 42, 489-496.	3.3	106
15	Curing of epoxide resins: Model reactions of curing with amines. Journal of Polymer Science: Polymer Chemistry Edition, 1977, 15, 2393-2400.	0.8	103
16	Graphlike State of Matter. 10. Cyclization and Concentration of Elastically Active Network Chains in Polymer Networks. Macromolecules, 1978, 11, 236-245.	4.8	101
17	Effect of diffusion control in the glass transition region on critical conversion at the gel point during curing of epoxy resins. Polymer, 1978, 19, 931-933.	3.8	90
18	Rheological and thermal properties of agarose aqueous solutions and hydrogels. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 322-328.	2.1	87

#	Article	IF	Citations
19	Network formation of polyurethanes due to side reactions. Macromolecules, 1990, 23, 1774-1781.	4.8	84
20	Structure evolution in epoxyâ€“silica hybrids: solâ€“gel process. Journal of Non-Crystalline Solids, 1998, 226, 114-121.	3.1	84
21	The structure and elasticity of polyurethane networks: 1. Model networks of poly(oxypropylene) triols and diisocyanate. Polymer, 1983, 24, 981-990.	3.8	76
22	Concentration of elastically active network chains and cyclisation in networks obtained by alternating stepwise polyaddition. British Polymer Journal, 1977, 9, 164-171.	0.7	68
23	The structure of low conversion polymers of ethylene dimethacrylate. European Polymer Journal, 1980, 16, 1043-1046.	5.4	68
24	Photomechanical effects in crosslinked photochromic polymers. Polymer, 1981, 22, 1511-1515.	3.8	68
25	Are cured thermoset resins inhomogeneous?. Angewandte Makromolekulare Chemie, 1996, 240, 1-15.	0.2	66
26	Formation-structure relationships in polymer networks. British Polymer Journal, 1985, 17, 185-189.	0.7	65
27	Structure and elasticity of polyurethane networks. 5. Effect of diluent in the formation of model networks of poly(oxypropylene)triol and 4,4-methylenebis(phenyl isocyanate). Macromolecules, 1986, 19, 2139-2146.	4.8	64
28	Crosslinking and networks. Die Makromolekulare Chemie, 1979, 2, 35-49.	1.1	63
29	Phase separation during the formation of three-dimensional polymers. Journal of Polymer Science Part B: Polymer Letters, 1965, 3, 209-212.	0.9	57
30	Synthesis and characterization of novel aromatic azo bond-containing pH-sensitive and hydrolytically cleavable IPN hydrogels. Biomaterials, 2006, 27, 1140-1151.	11.4	54
31	"Zero" and "Off-Zero" Critical Concentrations in Solutions of Polydisperse Polymers with Very High Molar Masses. Collection of Czechoslovak Chemical Communications, 1995, 60, 1661-1688.	1.0	52
32	Kinetic Monte-Carlo simulation of network formation. Polymer Bulletin, 1994, 33, 369-376.	3.3	50
33	Correspondence between the theory of branching processes and the kinetic theory for random crosslinking in the post-gel stage. Polymer Bulletin, 1979, 1, 523-528.	3.3	47
34	Swelling of model networks. Macromolecules, 1987, 20, 1088-1096.	4.8	47
35	The growth of PbHPO4 and Pb4 (NO3)2(PO4)2 Â· 2H2O in gels. Journal of Crystal Growth, 1976, 34, 248-252.	1.5	44
36	Diffusion control in the kinetics of cross-linking. Polymer Gels and Networks, 1996, 4, 383-404.	0.6	44

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37	The thermal effect in the photomechanical conversion of a photochromic polymer. Polymer Bulletin, 1979, 1, 659-664.	3.3	43
38	Manifestation of microgel-like particles of styrene-ethylene dimethacrylate copolymers in solution in 1H and 13C NMR spectra. Journal of Polymer Science, Polymer Physics Edition, 1980, 18, 2027-2035.	1.0	42
39	The effect of crosslinking on properties of polyurethane elastomers. Journal of Applied Polymer Science, 1991, 42, 391-398.	2.6	41
40	Diffusion controlled kinetics of crosslinking. Progress in Organic Coatings, 1993, 22, 145-159.	3.9	41
41	Size of network chains. Macromolecules, 1984, 17, 716-722.	4.8	40
42	Kinetic Monte-Carlo simulation of network formation. Polymer Bulletin, 1994, 33, 377-384.	3.3	40
43	Deformational, swelling, and potentiometric behavior of ionized gels of 2-hydroxyethyl methacrylateâ€“methacrylic acid copolymers. Journal of Applied Polymer Science, 1979, 23, 2073-2082.	2.6	39
44	Formation, structure, and elasticity of loosely crosslinked epoxy-amine networks. I. Statistics of formation. Journal of Polymer Science, Polymer Physics Edition, 1983, 21, 1323-1339.	1.0	39
45	Formation, structure, and elasticity of loosely crosslinked epoxy-amine networks. II. Mechanical and optical properties. Journal of Polymer Science, Polymer Physics Edition, 1984, 22, 265-278.	1.0	39
46	Title is missing!. Journal of Materials Science, 2002, 37, 4733-4741.	3.7	39
47	Hydrophilic gels based on copolymers of 2-hydroxyethyl methacrylate with methacrylamide and acrylamide. Journal of Applied Polymer Science, 1975, 19, 3061-3075.	2.6	38
48	Preparation and properties of poly-(N-butylmethacrylamide) networks. European Polymer Journal, 1978, 14, 45-49.	5.4	37
49	Mechanical behavior and structure of single beads of homogeneous and macroporous styreneâ€“divinylbenzene copolymers. Journal of Applied Polymer Science, 1982, 27, 277-288.	2.6	37
50	Build-up of polymer networks by initiated polyreactions. Polymer Bulletin, 1985, 13, 313-319.	3.3	37
51	Theories for network formation in multistage processes. Journal of Polymer Science, Part B: Polymer Physics, 1991, 29, 463-482.	2.1	37
52	Novel Aromatic Azo-Containing pH-Sensitive Hydrogels:â€‰ Synthesis and Characterization. Macromolecules, 2002, 35, 7791-7803.	4.8	37
53	Special Features of Network Formation by Chain Crosslinking Copolymerization. Collection of Czechoslovak Chemical Communications, 1993, 58, 2245-2265.	1.0	36
54	Network formation in the free-radical copolymerization of a bismaleimide and styrene. Polymer, 1996, 37, 2233-2242.	3.8	35

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55	Mechanism and kinetics of curing of epoxides based on diglycidylamine with aromatic amines. 1. The reaction of diglycidylaniline with secondary amines. Macromolecules, 1989, 22, 2902-2910.	4.8	34
56	Title is missing!. Die Makromolekulare Chemie, 1985, 186, 2025-2036.	1.1	33
57	Polyurethane networks with controlled architecture of dangling chains. Macromolecular Chemistry and Physics, 2002, 203, 1936-1948.	2.2	33
58	Side Reactions in the Formation of Polyurethanes: Model Reactions Between Phenylisocyanate and 1-Butanol. Journal of Macromolecular Science Part A, Chemistry, 1987, 24, 1151-1166.	0.3	31
59	Highly-branched off-stoichiometric functional polymers as polymer networks precursors. Polymer, 2005, 46, 4265-4282.	3.8	31
60	Formation of polyurethane networks studied by the gel point method. Polymer Bulletin, 1980, 3-3, 489-495.	3.3	30
61	Polymer Networks from Precursors of Defined Architecture. Activation of Preexisting Branch Points. Macromolecules, 2003, 36, 2915-2925.	4.8	30
62	Curing of epoxy resins with amines. Polymer Bulletin, 1985, 14, 309-315.	3.3	29
63	Build-up of polymer networks by initiated polyreactions. Polymer Bulletin, 1985, 13, 321-328.	3.3	29
64	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
65	Rheological properties of homogeneous and heterogeneous poly(2â€hydroxyethyl methacrylate) hydrogels. Polymer International, 2012, 61, 328-336.	3.1	29
66	Effect of urea on the behaviour of poly(2-hydroxyethyl methacrylate)-water mixtures. European Polymer Journal, 1974, 10, 239-247.	5.4	28
67	Development and Evaluation of a Monte Carlo Technique for the Simulation of Multifunctional Polymerizations. Macromolecules, 1995, 28, 5910-5920.	4.8	27
68	Cyclization in the reaction between diglycidylaniline and amine. Polymer Bulletin, 1986, 15, 389-396.	3.3	26
69	Theoretical treatment of network formation by a multistage process. Polymer Bulletin, 1987, 17, 239-245.	3.3	25
70	Rheology and porosity control of poly(2-hydroxyethyl methacrylate) hydrogels. Polymer, 2013, 54, 661-672.	3.8	25
71	Preparation and properties of poly(N-ethylmethacrylamide) networks. European Polymer Journal, 1977, 13, 579-585.	5.4	24
72	Statistics of Degradation and Cross-Linking of Polymer Chains with the Use of the Theory of Branching Processes. Macromolecules, 1980, 13, 571-579.	4.8	24

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73	Specific features of the kinetics of addition esterification of epoxide with the carboxyl group. Polymer Bulletin, 1986, 15, 215-221.	3.3	24
74	Macroporous 2-hydroxyethyl methacrylate hydrogels of dual porosity for cell cultivation: morphology, swelling, permeability, and mechanical behavior. Journal of Polymer Research, 2014, 21, 1.	2.4	24
75	Comparison of the penetration, tensile and compression moduli of elasticity of poly(n-alkyl acrylate) networks in the rubberlike state. Collection of Czechoslovak Chemical Communications, 1978, 43, 1999-2007.	1.0	24
76	Blocked isocyanate. Reaction and thermal behaviour of the toluene 2,4-diisocyanate dimer. Angewandte Makromolekulare Chemie, 1996, 242, 1-36.	0.2	23
77	Modelling of ring-free crosslinking chain (co)polymerization. Polymer International, 1997, 44, 225-236.	3.1	23
78	Phase transition in swollen gels 31. Swelling and mechanical behaviour of interpenetrating networks composed of poly(1-vinyl-2-pyrrolidone) and polyacrylamide in water/acetone mixtures. European Polymer Journal, 2002, 38, 875-883.	5.4	23
79	Effect of Dilution on Structure and Properties of Polyurethane Networks. Pregel and Postgel Cyclization and Phase Separation. Macromolecules, 2010, 43, 6450-6462.	4.8	23
80	Polymer Networks: A Challenge to Theorist and Technologist. Journal of Macromolecular Science Part A, Chemistry, 1991, 28, 843-863.	0.3	22
81	Polymerization of epoxides in the presence of tertiary amino alcohols. Journal of Polymer Science Part A, 1990, 28, 2305-2319.	2.3	21
82	Cationic polymerization of diglycidyl ether of Bisphenol A. III. Comparison of the theory with experiment. Journal of Polymer Science Part A, 1997, 35, 665-672.	2.3	21
83	Constrained Swelling of Polymer Networks: Characterization of Vapor-Deposited Cross-Linked Polymer Thin Films. Macromolecules, 2014, 47, 4417-4427.	4.8	21
84	Volume Phase Transition in Gels: Its Discovery and Development. Gels, 2020, 6, 22.	4.5	21
85	Title is missing!. Die Makromolekulare Chemie, 1989, 190, 883-891.	1.1	20
86	Modeling of Polymer Network Formation from Preformed Precursors. Macromolecular Reaction Engineering, 2012, 6, 426-445.	1.5	20
87	Build-up of polymer networks by initiated polyreactions. Polymer Bulletin, 1987, 17, 515-521.	3.3	19
88	Hydroxyl-terminated oligomers crosslinked by alkoxysilane sol-gel or polyurethane chemistries: A comparison. Journal of Applied Polymer Science, 1997, 65, 2373-2386.	2.6	19
89	Cross-linking of Epoxy Resins. Advances in Chemistry Series, 1984, , 3-14.	0.6	17
90	Cure monitoring of epoxy resins by fluorescence quenching. Polymer Bulletin, 1989, 22, 585-592.	3.3	17

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91	Coiled-Coil Hydrogels: Effect of Grafted Copolymer Composition and Cyclization on Gelation. Macromolecules, 2009, 42, 2265-2274.	4.8	16
92	The Toughening of Epoxy Resins with Reactive Polybutadienes. Advances in Chemistry Series, 1984, , 27-35.	0.6	15
93	Transesterification and Gelation of Polyhydroxy Esters Formed from Diepoxides and Dicarboxylic Acids. Advances in Chemistry Series, 1984, , 15-26.	0.6	15
94	Cyclization in amine-cured N,N-diglycidylaniline epoxy resins. Polymer, 1991, 32, 3190-3194.	3.8	15
95	Build-up of polymer networks by initiated polyreactions. Polymer Bulletin, 1991, 25, 231-237.	3.3	15
96	Swelling Pressure Induced Phase-Volume Transition in Hybrid Biopolymer Gels Caused by Unfolding of Folded Crosslinks:Â A Model. Biomacromolecules, 2003, 4, 1818-1826.	5.4	15
97	Viscoelastic behavior of interpenetrating networks of polyurethane and polyurethane acrylate. Journal of Applied Polymer Science, 1979, 24, 1007-1015.	2.6	14
98	Dynamic and static light scattering from critically branched polymer solutions. Die Makromolekulare Chemie, 1984, 185, 2543-2552.	1.1	14
99	Statistical treatment of allophanate crosslinking in the formation of polyurethane networks. Polymer Bulletin, 1984, 12, 33-40.	3.3	14
100	Network build-up by initiated polyreaction. Polymer Bulletin, 1987, 18, 209-215.	3.3	14
101	Solvent activity changes and phase separation during crosslinking of coating films. Macromolecular Symposia, 2003, 198, 259-270.	0.7	14
102	Effect of diluent on the gel point and mechanical properties of polyurethane networks. Polymer Bulletin, 2007, 58, 201-211.	3.3	14
103	Dependence of viscoelastic spectrum width on the structure of model imperfect networks prepared by endlinking. Colloid and Polymer Science, 1988, 266, 324-332.	2.1	13
104	Curing of epoxides. Reaction of dicyanodiamide with phenylglycidyl ether. Angewandte Makromolekulare Chemie, 1989, 172, 185-194.	0.2	13
105	Extent of side reactions and gelation of polyether polyurethanes. Polymer Bulletin, 1989, 22, 191-198.	3.3	13
106	Influence of the reaction mechanism on network formation in amine-cured N,N-diglycidylamine epoxy resins. Polymer, 1991, 32, 3195-3200.	3.8	13
107	Chemical clusters in polymer networks. Faraday Discussions, 1995, 101, 147-158.	3.2	13
108	Phase transition in swollen gels. Polymer Bulletin, 2001, 46, 99-106.	3.3	13

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109	My Fifty Years with Polymer Gels and Networks and Beyond. Polymer Bulletin, 2007, 58, 321-338.	3.3	13
110	Microstructured poly(2-hydroxyethyl methacrylate)/poly(glycerol monomethacrylate) interpenetrating network hydrogels: UV-scattering induced accelerated formation and tensile behavior. European Polymer Journal, 2018, 101, 304-313.	5.4	13
111	Epoxide networks as model networks. Colloid and Polymer Science, 1980, 258, 605-611.	2.1	12
112	The relaxation and equilibrium behaviour of model polyurethane networks. Polymer Bulletin, 1980, 3-3, 497-503.	3.3	12
113	Effect of composition on the mechanical properties of blends of the copolymer ABS with polyamides 6 and 12. Journal of Applied Polymer Science, 1980, 25, 2493-2500.	2.6	12
114	Theory of network formation by additional crosslinking of polyurethanes due to biuret and allophanate formation. Polymer Bulletin, 1987, 17, 481-488.	3.3	12
115	Network formation in polyurethanes due to allophanate and biuret formation: Gel fraction and equilibrium modulus. Makromolekulare Chemie Macromolecular Symposia, 1991, 45, 87-95.	0.6	12
116	Effect of the ratio of reactive groups on gelation and cyclization during polyurethane network formation. Polymer, 1993, 34, 5157-5162.	3.8	12
117	Network structure dependence of volume and glass transition temperature. Journal of Rheology, 2000, 44, 961-972.	2.6	12
118	Relaxation behavior of polymethacrylamide and polyacrylamide and of their copolymers with 2-hydroxyethyl methacrylate. Journal of Macromolecular Science - Physics, 1974, 10, 157-168.	1.0	11
119	Solution properties of poly(methacrylamide). European Polymer Journal, 1978, 14, 145-149.	5.4	11
120	Evidence of polyion hydration from X-ray and neutron small-angle scattering experiments. Polymer Bulletin, 1981, 4, 225-231.	3.3	11
121	Curing of diglycidylamine-based epoxides with amines: Kinetic model and simulation of structure development. Journal of Polymer Science Part A, 1995, 33, 461-472.	2.3	11
122	Nonuniformities of Distributions of Molecular Weights of Grafted Polymers. Macromolecules, 2012, 45, 3240-3246.	4.8	11
123	Polymer Networks from Preformed Precursors Having Molecular Weight and Group Reactivity Distributions. Theory and Application. Macromolecules, 2013, 46, 2767-2784.	4.8	11
124	Problems of structural characterization of polymer networks. Polymer Engineering and Science, 1979, 19, 246-253.	3.1	10
125	Inhomogeneities and deviations from the Gaussian photoelastic behavior of networks. Journal of Macromolecular Science - Physics, 1981, 19, 227-236.	1.0	10
126	Curing of epoxy resins: configurational structure and reactivity of stereoisomers in the model reaction of diglycidylaniline with N-methylaniline. Polymer Bulletin, 1985, 14, 123-129.	3.3	10

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127	Topological nanoinhomogeneities in polymer networks. Macromolecular Symposia, 1996, 106, 119-136.	0.7	10
128	How to Force Polymer Gels to Show Volume Phase Transitions. ACS Macro Letters, 2019, 8, 272-278.	4.8	10
129	Quasichemical approach to crosslinked polymer solutions and the swelling equation for polycondensation networks. Journal of Polymer Science, Polymer Physics Edition, 1974, 12, 1089-1107.	1.0	9
130	Correlations between the sol fraction and concentration of elastically active network chains. British Polymer Journal, 1977, 9, 172-176.	0.7	9
131	The photoelastic behaviour and small-angle x-ray scattering of ionized gels of copolymers of 2-hydroxyethyl methacrylate with methacrylic acid. European Polymer Journal, 1980, 16, 901-907.	5.4	9
132	The photoelastic behaviour of swollen networks of polymethacrylic acid. European Polymer Journal, 1980, 16, 191-199.	5.4	9
133	Network buildâ€up and structure in curing of epoxy resins. Makromolekulare Chemie Macromolecular Symposia, 1987, 7, 37-53.	0.6	9
134	Cross-Linking and Structure of Polymer Networks. ACS Symposium Series, 1988, , 2-27.	0.5	9
135	Formation of poly(urethane-isocyanurate) networks from poly(oxypropylene)diols and diisocyanate. Polymer Bulletin, 1993, 31, 83-88.	3.3	9
136	The Manifold Varieties of Poly(2â€Hydroxyethyl Methacrylate) Hydrogelsâ˜IPNs. Macromolecular Symposia, 2017, 372, 28-42.	0.7	9
137	The viscoelastic and equilibrium rheooptical behaviour of crosslinked ethylene-propylene copolymers. Colloid and Polymer Science, 1981, 259, 1190-1197.	2.1	8
138	Dynamic â€•mechanical properties of poly(oxypropylene)diâ€amineâ€diepoxide and poly(oxypropylene)triamineâ€diepoxide networks and their relationship to the structure of elastically active network chains. Makromolekulare Chemie Macromolecular Symposia, 1989, 30, 13-30.	0.6	8
139	Networks based on aromatic glycidylamines: 1. Effect of curing conditions on the crosslinking of N,N-diglycidylaniline with 4,4â€²-diaminodiphenylmethane and of N,N,Nâ€²,Nâ€²-tetraglycidyl-4,4â€²-diaminodiphenylmethane with 4,4â€²-diaminodiphenylmethane. Colloid and Polymer Science, 1991, 269, 1013-1020.	2.1	8
140	Structure and elasticity of polyurethane networks based on poly(butadiene) diol, 4,4â€²-diphenylmethane diisocyanate and poly(oxypropylene) triol. Polymer, 1993, 34, 3437-3445.	3.8	8
141	A model for swelling changes in a covalently crosslinked gel caused by unfolding of folded domains. Polymer Bulletin, 2001, 47, 351-358.	3.3	8
142	Kinetics of the reactions of thiourea with formaldehyde. Reactions in alkaline media. Journal of Polymer Science, 1958, 30, 431-458.	0.9	7
143	A photosensitive polymer as recording material in holography. Polymer Bulletin, 1978, 1, 167-170.	3.3	7
144	Applicability of Statistical Theories of Network Formation. Macromolecular Symposia, 2007, 256, 18-27.	0.7	7

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145	Title is missing!. Angewandte Makromolekulare Chemie, 1976, 52, 39-52.	0.2	6
146	Scratch- and mar-resistant refinish two-pack clear coats â€" linear versus branched acrylics. Surface Coatings International Part B: Coatings Transactions, 2006, 89, 275-283.	0.3	6
147	Structure development in polyurethane networks based on star-like precursors. Journal of Coatings Technology Research, 2007, 4, 311-315.	2.5	6
148	The photoelastic behaviour of the ionized poly(acrylic acid) network. Polymer Bulletin, 1980, 3-3, 481-487.	3.3	5
149	Calculation of the molecular weight distribution of crosslinked polymer chains using the theory of branching processes. British Polymer Journal, 1980, 12, 1-4.	0.7	5
150	Small-angle scattering by polyelectrolyte solutions: Interpretation of molecular weight dependence of the scattering peak position. Polymer, 1986, 27, 925-930.	3.8	5
151	Spectroscopic characterization of 1,5-diphenyl-3,7-dihydroxy-1,5-diazacyclooctane â€" (8C ring) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	5
152	Effect of Constraints on Swelling of Polymer Networks. Macromolecular Symposia, 2015, 358, 120-127.	0.7	5
153	Comparison of the viscoelastic penetration and tensile behaviour of poly(methyl acrylate) and poly(ethyl acrylate). Collection of Czechoslovak Chemical Communications, 1979, 44, 1942-1948.	1.0	5
154	Light scattering from dilute solutions of critically branched epoxy resins. Polymer Bulletin, 1987, 18, 329-336.	3.3	4
155	Brillouin scattering from epoxy resins and gels. Polymer Bulletin, 1989, 21, 641-648.	3.3	4
156	Size and mass of branched epoxy resins. Polymer, 1993, 34, 2816-2820.	3.8	4
157	Branching theories and thermodynamics used to help designing precursor architectures and binder systems. Surface Coatings International Part B: Coatings Transactions, 2006, 89, 123-131.	0.3	4
158	Diluent Induced Cyclization and Phase Separation in Polymer Networks. Macromolecular Symposia, 2011, 306-307, 67-76.	0.7	4
159	Network Formation Theories and Their Application to Systems of Industrial Importance. , 1992, , 283-301.		4
160	Formation of Epoxy Networks, Including Reactive Liquid Elastomers. Advances in Chemistry Series, 1989, , 303-318.	0.6	3
161	Polymer Networks: Structure, Formation and Properties. Journal of Bioactive and Compatible Polymers, 1991, 6, 247-255.	2.1	3
162	Vapor pressure over stressed coating films. Polymer Bulletin, 2000, 45, 83-88.	3.3	3

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163	Copolymer chain formation of 2-oxazolines by in situ¹H-NMR spectroscopy: dependence of sequential composition on substituent structure and monomer ratios. RSC Advances, 2021, 11, 10468-10478.	3.6	3
164	Multifunctional polyurethane network structures. Macromolecular Symposia, 1999, 148, 1-14.	0.7	2
165	Swelling of Coating Films. , 2017, , 271-291.		2
166	Formation of Polymer Networks: Treatment of Stochastic and Spatial Correlations Using Mean-Field Approximation. Springer Proceedings in Physics, 1985, , 107-112.	0.2	2
167	Experimental evidence of the volume dependence of the deformational free energy of polymer networks. Polymer Bulletin, 1979, 1, 801-808.	3.3	1
168	Application of the theory of branching processes (cascade theory) to polymer degradation and crosslinking: Postgel stage. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1986, 28, 479-486.	0.0	1
169	Role of Distributions in Binders and Curatives and Their Effect on Network Evolution and Structure. , 2017, , 3-37.		1
170	Structure and Elasticity of Loose Step Polyaddition Networks. ACS Symposium Series, 1982, , 403-417.	0.5	0
171	Kinetic and structural studies of the copolymerization of the cleavable bismaleimide p-maleimidobenzoic anhydride and styrene. Macromolecular Chemistry and Physics, 1996, 197, 1577-1586.	2.2	0
172	Constraints effects in swollen particulate composites with hyperelastic polymer matrix of finite extensibility modeled by FEM. Journal of Physics: Conference Series, 2014, 490, 012207.	0.4	0
173	Polymer Networks From Nanosized Functional Precursors. Macromolecular Symposia, 2017, 372, 14-27.	0.7	0
174	Effect of Dilution During Network Formation on Cyclization and Topological Constraints in Polyurethane Networks. , 1988, , 233-242.		0
175	Thermodynamics Of Swelling Of Model Networks. , 1988, , 269-282.		0
176	Special Features of Network Build-Up in Curing of Polyepoxides Based on N,N-Diglycidylaniline Derivatives. , 1988, , 335-344.		0