

Bla Puknszky

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174
papers

6,277
citations

46
h-index

70
g-index

183
ext. papers

6,883
ext. citations

4.7
avg, IF

6
L-index

#	Paper	IF	Citations
174	Three-component polypropylene/lignin/flax composites with high natural additive content for structural applications. <i>Industrial Crops and Products</i> , 2022 , 182, 114890	5.9	0
173	Impact modification of fiber reinforced polypropylene composites with flexible poly(ethylene terephthalate) fibers. <i>Polymer International</i> , 2021 , 70, 1367-1375	3.3	5
172	Biobased PLA/sugarcane bagasse fiber composites: Effect of fiber characteristics and interfacial adhesion on properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 143, 106273	8.4	14
171	Improvement of the impact resistance of natural fiber reinforced polypropylene composites through hybridization. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2499-2507	3.2	4
170	Effect of fiber attrition, particle characteristics and interfacial adhesion on the properties of PP/sugarcane bagasse fiber composites. <i>Polymer Testing</i> , 2021 , 98, 107189	4.5	3
169	Melt stabilization of polyethylene with natural antioxidants: comparison of a natural extract and its main component. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 67-75	4.1	1
168	Effect of various organic fibers on the stiffness, strength and impact resistance of polypropylene; a comparison. <i>Polymer International</i> , 2021 , 70, 145-153	3.3	3
167	Rheology of PLA/regenerated cellulose nanocomposites prepared by the pickering emulsion process: Network formation and modeling. <i>Materials and Design</i> , 2021 , 206, 109774	8.1	4
166	Ring-opening polymerization of ϵ -caprolactone from cellulose acetate by reactive processing. <i>Cellulose</i> , 2021 , 28, 9103-9116	5.5	0
165	Coupling of PMMA to the surface of a layered silicate by intercalative polymerization: processes, structure and properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 601, 124979	5.1	3
164	Reinforcement of PP with polymer fibers: Effect of matrix characteristics, fiber type and interfacial adhesion. <i>Polymer</i> , 2020 , 190, 122203	3.9	11
163	Electrospun PLA Fibers Containing Metronidazole for Periodontal Disease. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 233-242	4.4	10
162	Reinforcement of polypropylene with alkali-treated sugarcane bagasse fibers: Mechanism and consequences. <i>Composites Science and Technology</i> , 2020 , 200, 108428	8.6	8
161	Synthesis and Applications of Cinchona Squaramide-Modified Poly(Glycidyl Methacrylate) Microspheres as Recyclable Polymer-Grafted Enantioselective Organocatalysts. <i>Chemistry - A European Journal</i> , 2020 , 26, 13513-13522	4.8	3
160	Alkali treatment of lignocellulosic fibers extracted from sugarcane bagasse: Composition, structure, properties. <i>Polymer Testing</i> , 2020 , 88, 106549	4.5	28
159	Particulate Filled Polypropylene: Structure and Properties 2019 , 357-417		1
158	Silane modification of layered silicates and the mechanism of network formation from exfoliated layers. <i>Applied Clay Science</i> , 2019 , 171, 74-81	5.2	5

157	Poly(lactic acid)/cellulose nanocrystal composites via the Pickering emulsion approach: Rheological, thermal and mechanical properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 197-204	7.9	38
156	Deformation and failure of sugarcane bagasse reinforced PP. <i>European Polymer Journal</i> , 2019 , 112, 153-160	5.6	26
155	Structure evolution in poly(ethylene-co-vinyl alcohol)/lignin blends: Effect of interactions and composition. <i>European Polymer Journal</i> , 2019 , 111, 74-81	5.2	2
154	Poly(lactic acid)/lignin blends prepared with the Pickering emulsion template method. <i>European Polymer Journal</i> , 2019 , 110, 378-384	5.2	41
153	Melt stabilization of PE with natural antioxidants: Comparison of rutin and quercetin. <i>European Polymer Journal</i> , 2018 , 103, 228-237	5.2	10
152	Hips/zeolite hybrid composites as active packaging materials: Structure and functional properties. <i>European Polymer Journal</i> , 2018 , 103, 88-94	5.2	6
151	Hydrogen bonding interactions in poly(ethylene-co-vinyl alcohol)/lignin blends. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1203-1211	7.9	21
150	Long term stabilization of PE by the controlled release of a natural antioxidant from halloysite nanotubes. <i>Polymer Degradation and Stability</i> , 2018 , 147, 229-236	4.7	10
149	Comparison of the reinforcing effect of various micro- and nanofillers in PA6. <i>Polymer Testing</i> , 2018 , 72, 178-186	4.5	6
148	Interfacial interactions and reinforcement in thermoplastics/zeolite composites. <i>Composites Part B: Engineering</i> , 2017 , 114, 386-394	10	11
147	Polymer/lignin blends: Interactions, properties, applications. <i>European Polymer Journal</i> , 2017 , 93, 618-644	12	187
146	Natural antioxidants as melt stabilizers for PE: Comparison of silymarin and quercetin. <i>European Polymer Journal</i> , 2017 , 90, 456-466	5.2	9
145	Coupling of poly(lactic acid) with a polyurethane elastomer by reactive processing. <i>European Polymer Journal</i> , 2017 , 97, 409-417	5.2	11
144	Fillers and Reinforcing Agents for Polyethylene 2017 , 1033-1070		
143	Competitive Interactions in Aromatic Polymer/Lignosulfonate Blends. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 410-419	8.3	36
142	Particulate Fillers in Thermoplastics. <i>Polymers and Polymeric Composites</i> , 2017 , 51-93	0.6	7
141	Competitive interactions and controlled release of a natural antioxidant from halloysite nanotubes. <i>Journal of Colloid and Interface Science</i> , 2016 , 462, 123-9	9.3	7
140	Improvement of the impact strength of ethylene-propylene random copolymers by nucleation. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	11

139	Particulate Fillers in Thermoplastics 2016 , 1-43		2
138	Adsorption of an active molecule on the surface of halloysite for controlled release application: Interaction, orientation, consequences. <i>Applied Clay Science</i> , 2016 , 132-133, 167-174	5.2	12
137	Modification of interactions in polypropylene/lignosulfonate blends. <i>Materials and Design</i> , 2016 , 103, 32-39	8.1	47
136	Physical ageing and molecular mobility in PLA blends and composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1423-1433	4.1	25
135	Efficiency of curcumin, a natural antioxidant, in the processing stabilization of PE: Concentration effects. <i>Polymer Degradation and Stability</i> , 2015 , 118, 17-23	4.7	20
134	Modification of interfacial adhesion with a functionalized polymer in PLA/wood composites. <i>European Polymer Journal</i> , 2015 , 68, 592-600	5.2	77
133	Encyclopedia of Polymers and Composites 2015 , 1-35		1
132	Study of the effect of natural antioxidants in polyethylene: Performance of β -carotene. <i>Polymer Degradation and Stability</i> , 2014 , 102, 33-40	4.7	27
131	Efficient melt stabilization of polyethylene with quercetin, a flavonoid type natural antioxidant. <i>Polymer Degradation and Stability</i> , 2014 , 102, 41-48	4.7	39
130	PLA/lignocellulosic fiber composites: Particle characteristics, interfacial adhesion, and failure mechanism. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	41
129	Wood fiber reinforced multicomponent, multiphase PP composites: Structure, properties, failure mechanism. <i>Composites Science and Technology</i> , 2014 , 103, 106-112	8.6	20
128	Effect of Matrix Characteristics on the Properties of High-Impact Polystyrene/Zeolite Functional Packaging Materials. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19208-19215	3.9	2
127	Chain regularity of isotactic polypropylene determined by different thermal fractionation methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 118, 235-245	4.1	15
126	Effect of the molecular structure of the polymer and nucleation on the optical properties of polypropylene homo- and copolymers. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7456-63	9.5	31
125	The role of solubility and critical temperatures for the efficiency of sorbitol clarifiers in polypropylene. <i>RSC Advances</i> , 2014 , 4, 19737-19745	3.7	28
124	Performance of PE pipes under extractive conditions: Effect of the additive package and processing. <i>Polymer Degradation and Stability</i> , 2014 , 99, 196-203	4.7	5
123	Thermoplastic starch/wood composites: interfacial interactions and functional properties. <i>Carbohydrate Polymers</i> , 2014 , 102, 821-9	10.3	36
122	Factors determining the performance of thermoplastic polymer/wood composites; the limiting role of fiber fracture. <i>Materials & Design</i> , 2014 , 61, 203-210		13

121	Processing stabilisation of PE with a natural antioxidant, curcumin. <i>European Polymer Journal</i> , 2013 , 49, 1196-1203	5.2	37
120	Structure, properties and interfacial interactions in poly(lactic acid)/polyurethane blends prepared by reactive processing. <i>European Polymer Journal</i> , 2013 , 49, 3104-3113	5.2	51
119	Functional packaging materials: factors affecting the capacity and rate of water adsorption in desiccant composites. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	12
118	Ecotoxicity and fungal deterioration of recycled polypropylene/wood composites: effect of wood content and coupling. <i>Chemosphere</i> , 2013 , 93, 408-14	8.4	12
117	Effect of molecular architecture on the crystalline structure and stiffness of iPP homopolymers: Modeling based on annealing experiments. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3365-3373	2.9	23
116	Effect of Clay Modification on the Mechanism of Local Deformations in PA6 Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 796-805	3.9	2
115	Quantitative estimation of the strength of specific interactions in polyurethane elastomers, and their effect on structure and properties. <i>European Polymer Journal</i> , 2012 , 48, 1854-1865	5.2	21
114	Adhesion and micromechanical deformation processes in PLA/CaSO ₄ composites. <i>Carbohydrate Polymers</i> , 2012 , 89, 759-67	10.3	24
113	Polymer nanocomposites: structure, interaction, and functionality. <i>Nanoscale</i> , 2012 , 4, 1919-38	7.7	81
112	Polymer/Wood Composites 2012 , 1		
111	Nanocomposites 2011 , 109-142		14
110	Melt stabilisation of Phillips type polyethylene, Part III: Correlation of film strength with the rheological characteristics of the polymer. <i>Polymer Degradation and Stability</i> , 2011 , 96, 1771-1779	4.7	1
109	Estimation of interphase thickness and properties in PP/layered silicate nanocomposites. <i>European Polymer Journal</i> , 2011 , 47, 1765-1774	5.2	31
108	Hierarchical structure of phase-separated segmented polyurethane elastomers and its effect on properties. <i>Polymer International</i> , 2011 , 60, 529-536	3.3	21
107	Quantitative mapping of elastic moduli at the nanoscale in phase separated polyurethanes by AFM. <i>European Polymer Journal</i> , 2011 , 47, 692-698	5.2	160
106	Effect of clay modification on the structure and mechanical properties of polyamide-6 nanocomposites. <i>European Polymer Journal</i> , 2011 , 47, 5-15	5.2	44
105	Structure and surface coverage of water-based stearate coatings on calcium carbonate nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011 , 362, 67-73	9.3	12
104	Thermo-oxidative stability of polypropylene/layered silicate nanocomposites. <i>Polymer Degradation and Stability</i> , 2011 , 96, 581-587	4.7	25

103	Atomic force microscopy based quantitative mapping of elastic moduli in phase separated polyurethanes and silica reinforced rubbers across the length scales. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1318, 1		
102	Effect of various surface modifications of wood flour on the properties of PP/wood composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 199-206	8.4	143
101	Micromechanical deformation processes in PP/wood composites: Particle characteristics, adhesion, mechanisms. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 1653-1661	8.4	76
100	Micromechanical deformations in PP/lignocellulosic filler composites: Effect of matrix properties. <i>Composites Science and Technology</i> , 2010 , 70, 1141-1147	8.6	28
99	Study of the high temperature reactions of a hindered aryl phosphite (Hostanox PAR 24) used as a processing stabiliser in polyolefins. <i>Polymer Degradation and Stability</i> , 2010 , 95, 1883-1893	4.7	17
98	High temperature reactions of an arylalkyl phosphine, an exceptionally efficient melt stabiliser for polyethylene. <i>Polymer Degradation and Stability</i> , 2010 , 95, 1627-1635	4.7	7
97	Filler/matrix-debonding and micro-mechanisms of deformation in particulate filled polypropylene composites under tension. <i>Polymer</i> , 2010 , 51, 2040-2048	3.9	35
96	Quantitative determination of interfacial adhesion in composites with strong bonding. <i>European Polymer Journal</i> , 2010 , 46, 2000-2004	5.2	22
95	Modification of cellulose acetate with oligomeric polycaprolactone by reactive processing: Efficiency, compatibility, and properties. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3255-3263	2.9	9
94	Thermal analysis of the structure of segmented polyurethane elastomers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 98, 825	4.1	24
93	The influence of nucleus density on optical properties in nucleated isotactic polypropylene. <i>European Polymer Journal</i> , 2009 , 45, 3138-3148	5.2	87
92	Melt stabilisation of Phillips type polyethylene, Part I: The role of phenolic and phosphorous antioxidants. <i>Polymer Degradation and Stability</i> , 2009 , 94, 719-729	4.7	32
91	Melt stabilisation of Phillips type polyethylene, Part II: Correlation between additive consumption and polymer properties. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1448-1456	4.7	31
90	Deformation and failure of PP composites reinforced with lignocellulosic fibers: Effect of inherent strength of the particles. <i>Composites Science and Technology</i> , 2009 , 69, 1653-1659	8.6	54
89	Network Formation in PP/Layered Silicate Nanocomposites: Modeling and Analysis of Rheological Properties. <i>Macromolecular Symposia</i> , 2008 , 267, 47-51	0.8	8
88	Quantitative Characterization of the Structure of PP/Layered Silicate Nanocomposites at Various Length Scales. <i>Macromolecular Symposia</i> , 2008 , 267, 52-56	0.8	2
87	Dominating reactions in the degradation of HDPE during long term ageing in water. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1715-1722	4.7	5
86	Polymer micro and nanocomposites: Structure, interactions, properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 535-563	6.3	212

85	Nanophase separation in segmented polyurethane elastomers: Effect of specific interactions on structure and properties. <i>European Polymer Journal</i> , 2008 , 44, 2431-2438	5.2	52
84	Molecular structure and properties of cellulose acetate chemically modified with caprolactone. <i>European Polymer Journal</i> , 2008 , 44, 357-365	5.2	36
83	Aggregation of CaCO ₃ particles in PP composites: Effect of surface coating. <i>Composites Science and Technology</i> , 2007 , 67, 1574-1583	8.6	90
82	Factors and processes influencing the reinforcing effect of layered silicates in polymer nanocomposites. <i>European Polymer Journal</i> , 2007 , 43, 345-359	5.2	97
81	Micromechanical deformation processes in PA/layered silicate nanocomposites: Correlation of structure and properties. <i>Polymer Engineering and Science</i> , 2007 , 47, 1235-1245	2.3	15
80	Wood flour filled polypropylene composites: Interfacial adhesion and micromechanical deformations. <i>Polymer Engineering and Science</i> , 2007 , 47, 1246-1255	2.3	77
79	External and internal plasticization of cellulose acetate with caprolactone: Structure and properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 873-883	2.6	41
78	Wood flour filled PP composites: Compatibilization and adhesion. <i>Composites Science and Technology</i> , 2007 , 67, 2838-2846	8.6	180
77	The preparation and properties of sodium and organomodified-montmorillonite/polypyrrole composites: A comparative study. <i>Synthetic Metals</i> , 2007 , 157, 347-357	3.6	39
76	Surface modification of wood flour and its effect on the properties of PP/wood composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 1893-1901	8.4	101
75	Quantitative estimation of the reinforcing effect of layered silicates in PP nanocomposites. <i>Polymer</i> , 2006 , 47, 4638-4648	3.9	75
74	Morphology Characterization of PP/Clay Nanocomposites Across the Length Scales of the Structural Architecture. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 858-868	3.9	53
73	Formation and Detection of Clay Network Structure in Poly(propylene)/Layered Silicate Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 132-135	4.8	51
72	Thermoplastic starch/layered silicate composites: structure, interaction, properties. <i>Composite Interfaces</i> , 2006 , 13, 1-17	2.3	47
71	Surface characteristics of layered silicates: Influence on the properties of clay/polymer nanocomposites. <i>Langmuir</i> , 2006 , 22, 7848-54	4	83
70	Poly(propylene)/montmorillonite/polypyrrole composites: structure and conductivity. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 715-726	3.2	24
69	Wood flour filled PP composites: adhesion, deformation, failure. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 967-974	3.2	67
68	Efficiency and mechanism of phosphorous antioxidants in Phillips type polyethylene. <i>Polymer Degradation and Stability</i> , 2006 , 91, 479-487	4.7	35

67	Restricted chain segment mobility in poly(amide) 6/clay nanocomposites evidenced by quasi-isothermal crystallization. <i>Polymer</i> , 2006 , 47, 826-835	3.9	92
66	Miscibility-structure-property correlation in blends of ethylene vinyl alcohol copolymer and polyamide 6/66. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 79-86	9.3	17
65	Grafting of caprolacton to cellulose acetate by reactive processing. <i>European Polymer Journal</i> , 2005 , 41, 1699-1707	5.2	34
64	Interfaces and interphases in multicomponent materials: past, present, future. <i>European Polymer Journal</i> , 2005 , 41, 645-662	5.2	247
63	Effect of molecular interactions on the miscibility and structure of polymer blends. <i>European Polymer Journal</i> , 2005 , 41, 727-736	5.2	91
62	Analysis of the debonding process in polypropylene model composites. <i>European Polymer Journal</i> , 2005 , 41, 2520-2529	5.2	36
61	Controlling the Deintercalation in Hydrogenated Nitrile Rubber (HNBR)/Organo-Montmorillonite Nanocomposites by Curing with Peroxide. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 915-919	4.8	61
60	Possible mechanism of interaction among the components in MAPP modified layered silicate PP nanocomposites. <i>Polymer</i> , 2005 , 46, 8001-8010	3.9	47
59	Surface chemistry and adhesion in carbon fiber reinforced epoxy microcomposites. <i>Composite Interfaces</i> , 2005 , 12, 243-258	2.3	2
58	Experimental evidence for reduced chain segment mobility in poly(amide)-6/clay nanocomposites. <i>Composite Interfaces</i> , 2005 , 12, 787-803	2.3	24
57	Miscibility, structure and properties of PP/PIB blends. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 383, 307-315	5.3	26
56	Determination of the surface characteristics of particulate fillers by inverse gas chromatography at infinite dilution: a critical approach. <i>Journal of Colloid and Interface Science</i> , 2004 , 269, 143-52	9.3	64
55	Effect of chain structure on the processing stability of high-density polyethylene. <i>Polymer Degradation and Stability</i> , 2004 , 85, 1015-1021	4.7	15
54	Morphology and Properties of Particulate Filled Polymers. <i>Macromolecular Symposia</i> , 2004 , 214, 115-134	6.8	52
53	Preparation, Structure, And Properties Of PVC/Montmorillonite Nanocomposites. <i>Materials Research Innovations</i> , 2004 , 8, 138-139	1.9	9
52	Quantitative analysis of functional groups in HDPE powder by DRIFT spectroscopy. <i>Macromolecular Symposia</i> , 2003 , 202, 97-116	0.8	12
51	Hydrolytic stability of phenolic antioxidants and its effect on their performance in high-density polyethylene. <i>Polymer Degradation and Stability</i> , 2003 , 82, 211-219	4.7	18
50	Aggregation of particulate fillers: factors, determination, properties. <i>Macromolecular Symposia</i> , 2003 , 194, 111-124	0.8	16

49	Coupling of carbon fibers to polycarbonate: surface chemistry and adhesion. <i>Composite Interfaces</i> , 2003 , 10, 61-76	2.3	13
48	Modeling the Effect of a Soft Interlayer on the Stress Distribution around Fibers: Longitudinal and Transverse Loading. <i>Macromolecular Materials and Engineering</i> , 2002 , 287, 139-148	3.9	10
47	Electrochemical oxidation of carbon fibres: adsorption of the electrolyte and its effect on interfacial adhesion. <i>Composites Part A: Applied Science and Manufacturing</i> , 2002 , 33, 1361-1365	8.4	27
46	Surface characterization of electrochemically oxidized carbon fibers: surface properties and interfacial adhesion. <i>Composite Interfaces</i> , 2002 , 9, 219-232	2.3	24
45	Acid-Base Interactions and Interphase Formation in Particulate-Filled Polymers 2002 , 78, 861-875		50
44	NUCLEATING EFFECT OF MONTMORILLONITE NANOPARTICLES IN POLYPROPYLENE. <i>Journal of Macromolecular Science - Physics</i> , 2002 , 41, 1249-1265	1.4	73
43	Prediction of the yield stress of composites containing particles with an interlayer of changing properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2002 , 33, 1317-1322	8.4	21
42	Study on the Existence of Hydrogen Bonds in Ammonium Permanganate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 114-118	1.3	7
41	Damping of dynamic effects with elastomers in instrumented impact testing. <i>International Journal of Fracture</i> , 2001 , 109, 153-168	2.3	4
40	Miscibility-property correlations in blends of glassy amorphous polymers. <i>Macromolecular Symposia</i> , 2001 , 170, 9-20	0.8	16
39	Study on the Existence of Hydrogen Bonds in Ammonium Permanganate 2001 , 627, 114		1
38	Chemical modification and adhesion in carbon fiber/epoxy micro-composites; coupling and surface coverage. <i>Polymer Composites</i> , 2000 , 21, 387-395	3	20
37	Effect of catalyst residues on the chain structure and properties of a Phillips type polyethylen. <i>Polymer Engineering and Science</i> , 2000 , 40, 1458-1468	2.3	21
36	Possible coupling reactions of functional silanes and polypropylene. <i>Polymer</i> , 1999 , 40, 1763-1773	3.9	86
35	Chemical reactions during the processing of stabilized PE: 1. Discolouration and stabilizer consumption. <i>Polymer Degradation and Stability</i> , 1999 , 63, 489-497	4.7	19
34	Chemical reactions during the processing of stabilized PE: 2. Structure/property correlations. <i>Polymer Degradation and Stability</i> , 1999 , 63, 499-507	4.7	17
33	Two-step degradation of high-density polyethylene during multiple extrusion. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 1596-1605	2.9	30
32	Structure and impact resistance of short carbon fiber reinforced polyamide 6 composites. <i>Journal of Macromolecular Science - Physics</i> , 1999 , 38, 721-735	1.4	28

31	Adhesion and Surface Modification 1999 , 109-153		101
30	Silane treatment in polypropylene composites: Adsorption and coupling. <i>Macromolecular Symposia</i> , 1999 , 139, 93-105	0.8	5
29	Evaluation of interfacial interaction in polypropylene/surface treated CaCO ₃ composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 1998 , 29, 323-329	8.4	128
28	Miscibility of crystalline and amorphous polymers: Poly-ethylene/polyisobutylene blends. <i>Macromolecular Symposia</i> , 1998 , 129, 29-42	0.8	10
27	Effect of component interaction on the melting and crystallization characteristics of pe/pib blends. <i>Macromolecular Symposia</i> , 1998 , 129, 137-149	0.8	8
26	An Interphase with Changing Properties and the Mechanism of Deformation in Particulate-Filled Polymers 1997 , 64, 229-250		39
25	Relation of crystalline structure and mechanical properties of nucleated polypropylene. <i>Journal of Vinyl and Additive Technology</i> , 1997 , 3, 53-57	2	77
24	Mechanical damping in instrumented impact testing. <i>Journal of Materials Science</i> , 1997 , 32, 6601-6608	4.3	14
23	Effect of surface coverage of silane treated CaCO ₃ on the tensile properties of polypropylene composites. <i>Polymer Composites</i> , 1997 , 18, 741-747	3	61
22	Interaction of Silane Coupling Agents with CaCO ₃ . <i>Journal of Colloid and Interface Science</i> , 1997 , 190, 427-36	9.3	114
21	Surface Coverage and Its Determination: Role of Acid-Base Interactions in the Surface Treatment of Mineral Fillers. <i>Journal of Colloid and Interface Science</i> , 1997 , 194, 269-75	9.3	33
20	Stress distribution around inclusions, interaction, and mechanical properties of particulate-filled composites. <i>Polymer Composites</i> , 1996 , 17, 384-392	3	50
19	Composition dependence of the fracture toughness of heterogeneous polymer systems. <i>Polymer</i> , 1995 , 36, 1617-1625	3.9	65
18	Polypropylene composites. III: Chemical modification of the interphase and its influence on the properties of PP/mica composites. <i>Polymer Engineering and Science</i> , 1994 , 34, 485-492	2.3	34
17	Mechanism of interfacial interactions in particulate filled composites. <i>Composite Interfaces</i> , 1993 , 1, 411-437		117
16	Interfacial interactions in particulate filled thermoplastics: Mechanism, strength, properties. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993 , 70-71, 213-223		25
15	Polypropylene composites. II: Structure-property relationships in two- and three-component polypropylene composites. <i>Polymer Engineering and Science</i> , 1992 , 32, 641-648	2.3	71
14	Blends of polycarbonate with poly(methyl methacrylate): Miscibility, phase continuity, and interfacial adhesion. <i>Polymer Engineering and Science</i> , 1992 , 32, 886-893	2.3	43

13	Mutual correlations between parameters characterizing the miscibility, structure and mechanical properties of polymer blends. <i>Angewandte Makromolekulare Chemie</i> , 1992 , 199, 87-101		34
12	Surface modification and characterization of particulate mineral fillers. <i>Journal of Colloid and Interface Science</i> , 1990 , 135, 200-208	9.3	126
11	Ternary composites of polypropylene, elastomer, and filler: Analysis of phase structure formation. <i>Polymer Composites</i> , 1990 , 11, 98-104	3	92
10	Miscibility and mechanical properties of polymer blends. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1990 , 38, 221-231		51
9	Indirect Determination of Interphase Thickness from the Mechanical Properties of Particulate Filled Polymers 1990 , 691-700		11
8	Surface tension and mechanical properties in polyolefin composites. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1989 , 28, 165-186		63
7	Mechanical and rheological properties of multicomponent polypropylene blends. <i>Polymer Composites</i> , 1986 , 7, 106-115	3	22
6	Electron paramagnetic resonance investigation of orientation produced by mechanical processing in the fillers of polymer composites. <i>Macromolecules</i> , 1985 , 18, 918-923	5.5	11
5	Comparison of dynamic and static degradation of poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 1982 , 27, 2615-2623	2.9	3
4	Cationic reactions in the melt. <i>Polymer Bulletin</i> , 1982 , 6-6, 327-333	2.4	4
3	Cationic reactions in the melt. <i>Polymer Bulletin</i> , 1982 , 6-6, 335-341	2.4	4
2	A new correlation between molecular parameters and physical properties of chlorobutyl rubbers grafted with polystyrene branches. <i>Polymer Bulletin</i> , 1981 , 4, 437	2.4	
1	Cationic reactions in the melt. <i>Polymer Bulletin</i> , 1981 , 5, 469-476	2.4	19