Francesco Picchioni

List of Publications by Year
in descending order

173 papers	7,211 citations	94433 37 h-index	64796 79 g-index
176 all docs	176 docs citations	176 times ranked	7118 citing authors

#	Article	IF	Citations
1	Exploring the influence of electron beam crosslinking in <scp>SEBS</scp>/<scp>TPU</scp> and <scp>SEBSâ€gâ€MA</scp>/<scp>TPU</scp> thermoplastic elastomer blends. Journal of Applied Polymer Science, 2022, 139, 51721.	2.6	4
2	All-dry, one-step synthesis, doping and film formation of conductive polypyrrole. Journal of Materials Chemistry C, 2022, 10, 557-570.	5.5	14
3	Solid-state NMR spectroscopy insights for resolving different water pools in alginate hydrogels. Food Hydrocolloids, 2022, 127, 107500.	10.7	17
4	Synthesis and solution properties of poly(p,Î± dimethylstyrene-co-maleic anhydride): The use of a monomer potentially obtained from renewable sources as a substitute of styrene in amphiphilic copolymers. Reactive and Functional Polymers, 2022, 172, 105204.	4.1	1
5	Bio-Based Aromatic Polyesters Reversibly Crosslinked via the Dielsâ€“Alder Reaction. Applied Sciences (Switzerland), 2022, 12, 2461.	2.5	5
6	Reactive Extrusion Grafting of Glycidyl Methacrylate onto Low-Density and Recycled Polyethylene Using Supercritical Carbon Dioxide. Applied Sciences (Switzerland), 2022, 12, 3022.	2.5	0
7	Cross-Linking of Polypropylene via the Dielsâ€“Alder Reaction. Polymers, 2022, 14, 1176.	4.5	3
8	Designing Endâ€ofâ€Life Recyclable Polymers via Dielsâ€“Alder Chemistry: A Review on the Kinetics of Reversible Reactions. Macromolecular Rapid Communications, 2022, 43, e2200023.	3.9	8
9	Pickering Emulsions and Antibubbles Stabilized by PLA/PLGA Nanoparticles. Langmuir, 2022, 38, 182-190.	3.5	7
10	Ti and Zr amino-tris(phenolate) catalysts for the synthesis of cyclic carbonates from CO2 and epoxides. Green Chemical Engineering, 2022, 3, 171-179.	6.3	7
11	Rapid self-healing in IR-responsive plasmonic indium tin oxide/polyketone nanocomposites. Journal of Materials Chemistry A, 2022, 10, 12957-12967.	10.3	7
12	RAFT Polymerization of a Biorenewable/Sustainable Monomer via a Green Process. Macromolecular Rapid Communications, 2022, 43, e2200045.	3.9	7
13	Cross-Linking of Polypropylene with Thiophene and Imidazole. Polymers, 2022, 14, 2198.	4.5	1
14	Nitrogen Dioxide Optical Sensor Based on Redox-Active Tetrazolium/Pluronic Nanoparticles Embedded in PDMS Membranes. Chemosensors, 2022, 10, 213.	3.6	0
15	Kinetic Study on the Sulfuric Acid-Catalyzed Conversion of <scp>d</scp>-Galactose to Levulinic Acid in Water. Industrial & Engineering Chemistry Research, 2022, 61, 9178-9191.	3.7	2
16	Preliminary evaluation of amphiphilic block polyelectrolytes as potential flooding agents for low salinity chemical enhanced oil recovery. Journal of Petroleum Science and Engineering, 2021, 198, 108181.	4.2	10
17	Thermally Switchable Electrically Conductive Thermoset rGO/PK Self-Healing Composites. Polymers, 2021, 13, 339.	4.5	13
18	Self-Healing Polymer Nanocomposite Materials by Joule Effect. Polymers, 2021, 13, 649.	4.5	38

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19	A Structureâ€Properties Relationship Study of Selfâ€Healing Materials Based on Styrene and Furfuryl Methacrylate Crossâ€Linked via Dielsâ€“Alder Chemistry. Macromolecular Materials and Engineering, 2021, 306, 2000755.	3.6	7
20	A Hierarchical Hybrid Method for Screening Ionic Liquid Solvents for Extractions Exemplified by the Extractive Desulfurization Process. ACS Sustainable Chemistry and Engineering, 2021, 9, 2705-2716.	6.7	20
21	Computer-Aided Ionic Liquid Design and Experimental Validation for Benzeneâ€“Cyclohexane Separation. Industrial & Engineering Chemistry Research, 2021, 60, 4951-4961.	3.7	11
22	Maleimide Self-Reaction in Furan/Maleimide-Based Reversibly Crosslinked Polyketones: Processing Limitation or Potential Advantage?. Molecules, 2021, 26, 2230.	3.8	19
23	RECYCLING BEHAVIOR OF THERMOREVERSIBLY DIELSâ€“ALDER CROSSLINKED EPM. Rubber Chemistry and Technology, 2021, 94, 288-297.	1.2	2
24	Iron Tetrasulfonatophthalocyanine-Catalyzed Starch Oxidation Using H₂O₂: Interplay between Catalyst Activity, Selectivity, and Stability. ACS Omega, 2021, 6, 13847-13857.	3.5	4
25	Novel non-ionic surfactants synthesised through the reaction of CO2 with long alkyl chain epoxides. Journal of CO2 Utilization, 2021, 50, 101577.	6.8	13
26	Electroactive Self-Healing Shape Memory Polymer Composites Based on Dielsâ€“Alder Chemistry. ACS Applied Polymer Materials, 2021, 3, 6147-6156.	4.4	19
27	Alginate Modification and Lectin-Conjugation Approach to Synthesize the Mucoadhesive Matrix. Applied Sciences (Switzerland), 2021, 11, 11818.	2.5	8
28	Relationship between Structure and Rheology of Hydrogels for Various Applications. Gels, 2021, 7, 255.	4.5	143
29	Surfactant flooding: The influence of the physical properties on the recovery efficiency. Petroleum, 2020, 6, 149-162.	2.8	30
30	Influence of the polymer properties and numerical schemes on tertiary oil recovery processes. Computers and Mathematics With Applications, 2020, 79, 1094-1110.	2.7	2
31	Implementation of the UNIQUAC model in the OpenCalphad software. Fluid Phase Equilibria, 2020, 507, 112398.	2.5	4
32	Recyclability of Photoinduced Cross-Linked EPM Rubber with Anthracene-Grafted Groups: Problems and Their Solutions. ACS Omega, 2020, 5, 30454-30460.	3.5	5
33	Diels-Alder-based thermo-reversibly crosslinked polymers: Interplay of crosslinking density, network mobility, kinetics and stereoisomerism. European Polymer Journal, 2020, 135, 109882.	5.4	32
34	Thermally Reversible Polymeric Networks from Vegetable Oils. Polymers, 2020, 12, 1708.	4.5	5
35	pH-Responsive Polyketone/5,10,15,20-Tetrakis-(Sulfonatophenyl)Porphyrin Supramolecular Submicron Colloidal Structures. Polymers, 2020, 12, 2017.	4.5	3
36	Towards Thermally Reversible Networks Based on Furan-Functionalization of Jatropha Oil. Molecules, 2020, 25, 3641.	3.8	4

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37	Influence of physical and rheological properties of sweeping fluids on the residual oil saturation at the micro- and macroscale. Journal of Non-Newtonian Fluid Mechanics, 2020, 286, 104444.	2.4	10
38	Surfactant-Polymer Interactions in a Combined Enhanced Oil Recovery Flooding. Energies, 2020, 13, 6520.	3.1	19
39	Highly Branched Waxy Potato Starch-Based Polyelectrolyte: Controlled Synthesis and the Influence of Chain Composition on Solution Rheology. Industrial & Engineering Chemistry Research, 2020, 59, 10847-10856.	3.7	1
40	Prediction of toxicity of Ionic Liquids based on GC-COSMO method. Journal of Hazardous Materials, 2020, 398, 122964.	12.4	33
41	Mechanical properties and electrical surface charges of microfibrillated cellulose/imidazole-modified polyketone composite membranes. Polymer Testing, 2020, 89, 106710.	4.8	3
42	The effect of macromolecular structure on the rheology and surface properties of amphiphilic random polystyrene-<i>r</i>-poly(meth)acrylate copolymers prepared by RDRP. Soft Matter, 2020, 16, 2836-2846.	2.7	7
43	Modification of starch: A review on the application of â€œgreenâ€•solvents and controlled functionalization. Carbohydrate Polymers, 2020, 241, 116350.	10.2	130
44	Electrically-Conductive Polyketone Nanocomposites Based on Reduced Graphene Oxide. Polymers, 2020, 12, 923.	4.5	11
45	Sustainable EPM rubber compounds. Polymer-Plastics Technology and Materials, 2020, 59, 1379-1385.	1.3	1
46	Chemical enhanced oil recovery and the role of chemical product design. Applied Energy, 2019, 252, 113480.	10.1	128
47	Branched polymers and nanoparticles flooding as separate processes for enhanced oil recovery. Fuel, 2019, 257, 115996.	6.4	16
48	Design of a pH-Responsive Conductive Nanocomposite Based on MWCNTs Stabilized in Water by Amphiphilic Block Copolymers. Nanomaterials, 2019, 9, 1410.	4.1	8
49	Synthesis of Zwitterionic Copolymers via Copper-mediated Aqueous Living Radical Grafting Polymerization on Starch. Polymers, 2019, 11, 192.	4.5	20
50	Synthesis of tuneable amphiphilic-modified polyketone polymers, their complexes with 5,10,15,20-tetrakis-(4-sulfonatophenyl)porphyrin, and their role in the photooxidation of 1,3,5-triphenylformazan confined in polymeric nanoparticles. Polymer, 2019, 167, 215-223.	3.8	11
51	CO₂-fixation into cyclic and polymeric carbonates: principles and applications. Green Chemistry, 2019, 21, 406-448.	9.0	574
52	Material encapsulation in poly(methyl methacrylate) shell: A review. Journal of Applied Polymer Science, 2019, 136, 48039.	2.6	81
53	Polymer and nanoparticles flooding as a new method for Enhanced Oil Recovery. Journal of Petroleum Science and Engineering, 2019, 177, 479-495.	4.2	58
54	Simulation of Surfactant Oil Recovery Processes and the Role of Phase Behaviour Parameters. Energies, 2019, 12, 983.	3.1	1

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55	Extraction of Acids and Bases from Aqueous Phase to a Pseudoprotic Ionic Liquid. Molecules, 2019, 24, 894.	3.8	15
56	Electrically Self-Healing Thermoset MWCNTs Composites Based on Diels-Alder and Hydrogen Bonds. Polymers, 2019, 11, 1885.	4.5	32
57	Influence of the polymer degradation on enhanced oil recovery processes. Applied Mathematical Modelling, 2019, 69, 142-163.	4.2	17
58	Luminescent Solar Concentrators Based on Renewable Polyester Matrices. Chemistry - an Asian Journal, 2019, 14, 877-883.	3.3	31
59	Development of self-healing epoxy composites via incorporation of microencapsulated epoxy and mercaptan in poly(methyl methacrylate) shell. Polymer Testing, 2019, 73, 395-403.	4.8	66
60	Totally Organic Redox-Active pH-Sensitive Nanoparticles Stabilized by Amphiphilic Aromatic Polyketones. Journal of Physical Chemistry B, 2018, 122, 1747-1755.	2.6	12
61	Water-swellable elastomers: synthesis, properties and applications. Reviews in Chemical Engineering, 2018, 35, 45-72.	4.4	14
62	Green/Yellowâ€Emitting Conjugated Heterocyclic Fluorophores for Luminescent Solar Concentrators. European Journal of Organic Chemistry, 2018, 2018, 2657-2666.	2.4	27
63	Copper-mediated homogeneous living radical polymerization of acrylamide with waxy potato starch-based macroinitiator. Carbohydrate Polymers, 2018, 192, 61-68.	10.2	10
64	Synthesis of sago starch laurate in densified carbon dioxide. Polymer Engineering and Science, 2018, 58, 291-299.	3.1	6
65	THERMOREVERSIBLE CROSS-LINKING OF RUBBER COMPOUNDS: FROM PROOF-OF-CONCEPT TOWARD AN INDUSTRIAL PROCESS. Rubber Chemistry and Technology, 2018, 91, 492-508.	1.2	6
66	Acetylation of xanthan gum in densified carbon dioxide (CO2). Materials Today: Proceedings, 2018, 5, 21551-21558.	1.8	9
67	Plenty of Room at the Bottom: Nanotechnology as Solution to an Old Issue in Enhanced Oil Recovery. Applied Sciences (Switzerland), 2018, 8, 2596.	2.5	27
68	Starlike Branched Polyacrylamides by RAFT Polymerizationâ€"Part I: Synthesis and Characterization. ACS Omega, 2018, 3, 18762-18770.	3.5	9
69	Green Processes for Green Products: The Use of Supercritical CO2 as Green Solvent for Compatibilized Polymer Blends. Polymers, 2018, 10, 1285.	4.5	9
70	Electrically-Responsive Reversible Polyketone/MWCNT Network through Diels-Alder Chemistry. Polymers, 2018, 10, 1076.	4.5	19
71	Dielsâ€"Alder-Crosslinked Polymers Derived from Jatropha Oil. Polymers, 2018, 10, 1177.	4.5	8
72	Surfactantâ€"Polymer Flooding: Influence of the Injection Scheme. Energy & Fuels, 2018, 32, 12231-12246.	5.1	32

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73	Numerical Modeling and Validation of a Novel 2D Compositional Flooding Simulator Using a Second-Order TVD Scheme. Energies, 2018, 11, 2280.	3.1	7
74	Hydrogels Based on Dynamic Covalent and Non Covalent Bonds: A Chemistry Perspective. Gels, 2018, 4, 21.	4.5	60
75	Thermoreversibly Cross-Linked EPM Rubber Nanocomposites with Carbon Nanotubes. Nanomaterials, 2018, 8, 58.	4.1	15
76	Thermo-Responsive Starch-g-(PAM-co-PNIPAM): Controlled Synthesis and Effect of Molecular Components on Solution Rheology. Polymers, 2018, 10, 92.	4.5	26
77	Acetalised Galactarate Polyesters: Interplay between Chemical Structure and Polymerisation Kinetics. Polymers, 2018, 10, 248.	4.5	6
78	Effect of the Polyketone Aromatic Pendent Groups on the Electrical Conductivity of the Derived MWCNTs-Based Nanocomposites. Polymers, 2018, 10, 618.	4.5	14
79	Star-Like Branched Polyacrylamides by RAFT polymerization, Part II: Performance Evaluation in Enhanced Oil Recovery (EOR). Industrial & Engineering Chemistry Research, 2018, 57, 8835-8844.	3.7	25
80	Functional polyketones for the removal of calcium and magnesium from water (part I): synthesis and chemical characterization. Pure and Applied Chemistry, 2017, 89, 41-50.	1.9	5
81	Functional polyketones for the removal of calcium and magnesium from water (Part II): cross-linking and functional characterization. Pure and Applied Chemistry, 2017, 89, 51-60.	1.9	4
82	Kinetics of cross-linking and de-cross-linking of EPM rubber with thermoreversible Diels-Alder chemistry. European Polymer Journal, 2017, 90, 150-161.	5.4	31
83	Triblock copolymers of styrene and sodium methacrylate as smart materials: synthesis and rheological characterization. Pure and Applied Chemistry, 2017, 89, 1641-1658.	1.9	10
84	Numerical modeling of a compositional flow for chemical EOR and its stability analysis. Applied Mathematical Modelling, 2017, 47, 141-159.	4.2	19
85	Thermoresponsive comb polymers as thickeners for high temperature aqueous fluids. Materials Today Communications, 2017, 10, 34-40.	1.9	10
86	Micromechanical assessment of PMMA microcapsules containing epoxy and mercaptan as self-healing agents. Polymer Testing, 2017, 64, 330-336.	4.8	32
87	Transesterification of sago starch and waste palm cooking oil in densified CO2. IOP Conference Series: Materials Science and Engineering, 2017, 223, 012055.	0.6	0
88	Effect of Rubber Polarity on Cluster Formation in Rubbers Cross-Linked with Dielsâ€"Alder Chemistry. Macromolecules, 2017, 50, 8955-8964.	4.8	33
89	Practical application of thermoreversibly Cross-linked rubber products. IOP Conference Series: Materials Science and Engineering, 2017, 223, 012004.	0.6	1
90	Thermoreversible Cross-Linking of Furan-Containing Ethylene/Vinyl Acetate Rubber with Bismaleimide. Polymers, 2017, 9, 81.	4.5	11

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91	Cyclopentadieneâ€functionalized polyketone as selfâ€crossâ€linking thermoâ€reversible thermoset with increased softening temperature. Journal of Applied Polymer Science, 2016, 133, .	2.6	7
92	Influence of the chemical structure of cross-linking agents on properties of thermally reversible networks. Pure and Applied Chemistry, 2016, 88, 1103-1116.	1.9	13
93	Paal-Knorr kinetics in waterborne polyketone-based formulations as modulating cross-linking tool in electrodeposition coatings. Materials and Design, 2016, 108, 718-724.	7.0	9
94	Amphiphilic copolymers based on PEGâ€acrylate as surface active water viscosifiers: Towards new potential systems for enhanced oil recovery. Journal of Applied Polymer Science, 2016, 133, .	2.6	33
95	Cross-linking of rubber in the presence of multi-functional cross-linking aids via thermoreversible Diels-Alder chemistry. European Polymer Journal, 2016, 82, 208-219.	5.4	19
96	An easy synthetic way to exfoliate and stabilize MWCNTs in a thermoplastic pyrrole-containing matrix assisted by hydrogen bonds. RSC Advances, 2016, 6, 85829-85837.	3.6	14
97	Polymeric surfactants for enhanced oil recovery: A review. Journal of Petroleum Science and Engineering, 2016, 145, 723-733.	4.2	319
98	The Preparation and Properties of Thermo-reversibly Cross-linked Rubber Via Diels-Alder Chemistry. Journal of Visualized Experiments, 2016, , .	0.3	2
99	Intrinsic self-healing thermoset through covalent and hydrogen bonding interactions. European Polymer Journal, 2016, 81, 186-197.	5.4	47
100	Thermally reversible rubber-toughened thermoset networks via Dielsâ€"Alder chemistry. European Polymer Journal, 2016, 74, 229-240.	5.4	34
101	Viability of Biopolymers for Enhanced Oil Recovery. Journal of Dispersion Science and Technology, 2016, 37, 1160-1169.	2.4	47
102	Methods in Oil Recovery Processes and Reservoir Simulation. Advances in Chemical Engineering and Science, 2016, 06, 39-435.	0.5	14
103	Synthesis and refining of sunflower biodiesel in a cascade of continuous centrifugal contactor separators. European Journal of Lipid Science and Technology, 2015, 117, 242-254.	1.5	18
104	Novel polyketones with pendant imidazolium groups as nanodispersants of hydrophobic antibiotics. Journal of Applied Polymer Science, 2015, 132, .	2.6	11
105	Synthesis and properties of crossâ€linked polymers from epoxidized rubber seed oil and triethylenetetramine. Journal of Applied Polymer Science, 2015, 132, .	2.6	20
106	Polymeric Surfactants: Synthesis, Properties, and Links to Applications. Chemical Reviews, 2015, 115, 8504-8563.	47.7	264
107	The Green Route from Carbon Monoxide Fixation to Functional Polyamines: A Class of High-Performing Metal Ion Scavengers. Industrial & Engineering Chemistry Research, 2015, 54, 9450-9457.	3.7	11
108	Synthesis and Linear Viscoelasticity of Polystyrene Stars with a Polyketone Core. Macromolecules, 2015, 48, 6662-6671.	4.8	11

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109	Use of Dielsâ€“Alder Chemistry for Thermoreversible Cross-Linking of Rubbers: The Next Step toward Recycling of Rubber Products?. Macromolecules, 2015, 48, 7096-7105.	4.8	220
110	Supercritical carbon dioxide and polymers: an interplay of science and technology. Polymer International, 2014, 63, 1394-1399.	3.1	20
111	Reversible polymer networks containing covalent and hydrogen bonding interactions. European Polymer Journal, 2014, 50, 127-134.	5.4	53
112	Acrylamideâ€<i>bâ€N</i>â€isopropylacrylamide block copolymers: Synthesis by atomic transfer radical polymerization in water and the effect of the hydrophilicâ€“hydrophobic ratio on the solution properties. Journal of Applied Polymer Science, 2014, 131, .	2.6	15
113	The effect of hydrophilic and hydrophobic block length on the rheology of amphiphilic diblock Polystyrene-b-Poly(sodium methacrylate) copolymers prepared by ATRP. Journal of Colloid and Interface Science, 2014, 428, 152-161.	9.4	26
114	Controlling the aggregation of 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin by the use of polycations derived from polyketones bearing charged aromatic groups. Dyes and Pigments, 2013, 98, 51-63.	3.7	36
115	A novel method of preparing metallic Janus silica particles using supercritical carbon dioxide. Nanoscale, 2013, 5, 10420.	5.6	32
116	Polymer Molecular Architecture As a Tool for Controlling the Rheological Properties of Aqueous Polyacrylamide Solutions for Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2013, 52, 16993-17005.	3.7	42
117	Comblike Polyacrylamides as Flooding Agent in Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2013, 52, 16352-16363.	3.7	62
118	Comb-like thermoresponsive polymeric materials: Synthesis and effect of macromolecular structure on solution properties. Polymer, 2013, 54, 5456-5466.	3.8	35
119	Branched polyacrylamides: Synthesis and effect of molecular architecture on solution rheology. European Polymer Journal, 2013, 49, 3289-3301.	5.4	44
120	Polystyreneâ€“Poly(sodium methacrylate) Amphiphilic Block Copolymers by ATRP: Effect of Structure, pH, and Ionic Strength on Rheology of Aqueous Solutions. Macromolecules, 2013, 46, 7106-7111.	4.8	40
121	Acrylamide Homopolymers and Acrylamideâ€“<i>N</i>-Isopropylacrylamide Block Copolymers by Atomic Transfer Radical Polymerization in Water. Macromolecules, 2012, 45, 4040-4045.	4.8	68
122	Material properties and processing in chemical product design. Current Opinion in Chemical Engineering, 2012, 1, 459-464.	7.8	9
123	Properties of Reversible Dielsâ€“Alder Furan/Maleimide Polymer Networks as Function of Crosslink Density. Macromolecular Chemistry and Physics, 2012, 213, 157-165.	2.2	130
124	Experimental and modeling studies on the solubility of subâ€and supercritical carbon dioxide (scCO₂) in potato starch and derivatives. Polymer Engineering and Science, 2011, 51, 28-36.	3.1	13
125	Insights in starch acetylation in sub- and supercritical CO2. Carbohydrate Research, 2011, 346, 1224-1231.	2.3	19
126	Polymers for enhanced oil recovery: A paradigm for structureâ€“property relationship in aqueous solution. Progress in Polymer Science, 2011, 36, 1558-1628.	24.7	657

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127	Green starch conversions: Studies on starch acetylation in densified CO2. Carbohydrate Polymers, 2010, 82, 653-662.	10.2	32
128	Extraction of Jatropha curcas proteins and application in polyketone-based wood adhesives. International Journal of Adhesion and Adhesives, 2010, 30, 615-625.	2.9	39
129	Use of soy proteins in polyketone-based wood adhesives. International Journal of Adhesion and Adhesives, 2010, 30, 626-635.	2.9	21
130	Synthesis of fatty acid starch esters in supercritical carbon dioxide. Carbohydrate Polymers, 2010, 82, 346-354.	10.2	43
131	Processâ€product studies on starch acetylation reactions in pressurised carbon dioxide. Starch/Staerke, 2010, 62, 566-576.	2.1	19
132	Synthesis and properties of reactive interfacial agents for polycaprolactoneâ€starch blends. Journal of Applied Polymer Science, 2009, 114, 2315-2326.	2.6	25
133	Experimental and Modeling Studies on the Synthesis and Properties of Higher Fatty Esters of Corn Starch. Starch/Staerke, 2009, 61, 69-80.	2.1	27
134	Experimental studies on the ring opening polymerization of p-dioxanone using an Al(OiPr)3-monosaccharide initiator system. European Polymer Journal, 2009, 45, 155-164.	5.4	9
135	Synthesis of poly-(Îµ)-caprolactone grafted starch co-polymers by ring-opening polymerisation using silylated starch precursors. Carbohydrate Polymers, 2009, 77, 267-275.	10.2	33
136	Supercritical carbon dioxide (scCO2) induced gelatinization of potato starch. Carbohydrate Polymers, 2009, 78, 511-519.	10.2	47
137	Thermally Self-Healing Polymeric Materials: The Next Step to Recycling Thermoset Polymers?. Macromolecules, 2009, 42, 1906-1912.	4.8	419
138	Synthesis of Higher Fatty Acid Starch Esters using Vinyl Laurate and Stearate as Reactants. Starch/Staerke, 2008, 60, 667-675.	2.1	65
139	Polymeric amines by chemical modifications of alternating aliphatic polyketones. Journal of Applied Polymer Science, 2008, 107, 262-271.	2.6	62
140	Investigation of the interaction of CO₂ with poly (<scp>L</scp>â€lactide), poly(<scp>DL</scp>â€lactide) and poly(Îµâ€caprolactone) using FTIR spectroscopy. Journal of Applied Polymer Science, 2008, 109, 3376-3381.	2.6	29
141	Long chain branching on linear polypropylene by solid state reactions. European Polymer Journal, 2008, 44, 200-212.	5.4	65
142	Cross-Linking of Multiwalled Carbon Nanotubes with Polymeric Amines. Macromolecules, 2008, 41, 6141-6146.	4.8	58
143	Aqueous polymer emulsions by chemical modifications of thermosetting alternating polyketones. Journal of Applied Polymer Science, 2007, 106, 3237-3247.	2.6	9
144	Batch production of micron size particles from poly(ethylene glycol) using supercritical CO2 as a processing solvent. Chemical Engineering Science, 2007, 62, 1712-1720.	3.8	38

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145	Confinement Effect in Diffusion-Controlled Stepwise Polymerization by Monte Carlo Simulation. Journal of Physical Chemistry B, 2006, 110, 12281-12288.	2.6	16
146	Solubilities of sub- and supercritical carbon dioxide in polyester resins. Polymer Engineering and Science, 2006, 46, 643-649.	3.1	13
147	Prediction of the viscosity reduction due to dissolved CO2 of and an elementary approach in the supercritical CO2 assisted continuous particle production of a polyester resin. Powder Technology, 2006, 170, 143-152.	4.2	19
148	Supercritical carbon dioxide as a green solvent for processing polymer melts: Processing aspects and applications. Progress in Polymer Science, 2006, 31, 19-43.	24.7	551
149	The FT-IR studies of the interactions of CO2 and polymers having different chain groups. Journal of Supercritical Fluids, 2006, 36, 236-244.	3.2	94
150	Modeling on the kinetics of an EPDM devulcanization in an internal batch mixer using an amine as the devulcanizing agent. Chemical Engineering Science, 2006, 61, 6442-6453.	3.8	42
151	Modelling a continuous devulcanization in an extruder. Chemical Engineering Science, 2006, 61, 7077-7086.	3.8	34
152	Intermolecular interactions between carbon dioxide and the carbonyl groups of polylactides and poly(Îµ-caprolactone). Journal of Controlled Release, 2006, 116, e38-e40.	9.9	13
153	The use of experimental design to study the responses of continuous devulcanization processes. Journal of Applied Polymer Science, 2006, 102, 5028-5038.	2.6	16
154	EPDM rubber reclaim from devulcanized EPDM. Journal of Applied Polymer Science, 2006, 102, 5948-5957.	2.6	35
155	Precise Block-Copolymers by Efficient Coupling of End-Functionalized Polymers Using Phosgene. Macromolecular Rapid Communications, 2006, 27, 242-246.	3.9	5
156	Block-Copolymer-Assisted Solubilization of Carbon Nanotubes and Exfoliation Monitoring Through Viscosity. Macromolecular Rapid Communications, 2006, 27, 1073-1078.	3.9	52
157	State of the Art: Recycling of EPDM Rubber Vulcanizates. International Polymer Processing, 2006, 21, 211-217.	0.5	13
158	Synthetic aspects and characterization of polypropyleneâ€"silica nanocomposites prepared via solid-state modification and solâ€"gel reactions. Polymer, 2005, 46, 6666-6681.	3.8	66
159	Solid-state modification of isotactic polypropylene (iPP) via grafting of styrene. II. Morphology and melt processing. Journal of Applied Polymer Science, 2005, 97, 575-583.	2.6	12
160	Rheokinetics and effect of shear rate on the kinetics of linear polyurethane formation. Polymer Engineering and Science, 2005, 45, 279-287.	3.1	22
161	Blends of SBS triblock copolymer with poly(2,6-dimethyl-1,4-phenylene oxide)/polystyrene mixture. Journal of Applied Polymer Science, 2003, 88, 2698-2705.	2.6	9
162	Solid-state modification of isotactic polypropylene (iPP) via grafting of styrene. I. Polymerization experiments. Journal of Applied Polymer Science, 2003, 89, 3279-3291.	2.6	37

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163	Determination of acid and hydroxyl end-groups in endfunctionalized polystyrenes using 19F NMR. E-Polymers, 2003, 3, .	3.0	0
164	Blends of styrene-butadiene-styrene triblock copolymer with random styrene-maleic anhydride copolymers. Macromolecular Chemistry and Physics, 2002, 203, 1396-1402.	2.2	4
165	Blends of syndiotactic polystyrene with SEBS triblock copolymers. Polymer, 2002, 43, 3323-3329.	3.8	24
166	Solid-state modification of polypropylene(PP): grafting of styrene on atactic PP. Macromolecular Symposia, 2001, 176, 245-264.	0.7	22
167	Blending of styrene-block-butadiene-block-styrene copolymer with sulfonated vinyl aromatic polymers. Polymer International, 2001, 50, 714-721.	3.1	9
168	Blends of Syndiotactic Polystyrene with SBS Triblock Copolymers. Macromolecular Chemistry and Physics, 2001, 202, 2142-2147.	2.2	11
169	Controlled functionalization of olefin/styrene copolymers through free radical processes. Polymers for Advanced Technologies, 2000, 11, 371-376.	3.2	32
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