

Giulio Malucelli

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.

252
papers

8,504
citations

52
h-index

79
g-index

272
ext. papers

9,433
ext. citations

4.3
avg, IF

6.48
L-index

#	Paper	IF	Citations
252	Flame retardant potential of Tetra Pak [®] -derived biochar for ethylene-vinyl-acetate copolymers. <i>Composites Part C: Open Access</i> , 2022 , 8, 100252	1.6	1
251	N- and S-Doped Carbons Derived from Polyacrylonitrile for Gases Separation. <i>Sustainability</i> , 2022 , 14, 3760	3.6	0
250	Mechanical Performance of Polylactic Acid from Sustainable Screw-Based 3D Printing. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 531-542	0.5	
249	Rheological, mechanical, thermal and electrical properties of UHMWPE/CNC composites. <i>Cellulose</i> , 2021 , 28, 10953-10967	5.5	0
248	Structure-Property Relationships in Bionanocomposites for Pipe Extrusion Applications. <i>Polymers</i> , 2021 , 13,	4.5	2
247	Investigation of Different Types of Biochar on the Thermal Stability and Fire Retardance of Ethylene-Vinyl Acetate Copolymers. <i>Polymers</i> , 2021 , 13,	4.5	5
246	Bionanocomposite Blown Films: Insights on the Rheological and Mechanical Behavior. <i>Polymers</i> , 2021 , 13,	4.5	4
245	Photosensitive acrylates containing bio-based epoxy-acrylate soybean oil for 3D printing application. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51292	2.9	2
244	Organic-inorganic materials through first simultaneous frontal polymerization and frontal geopolymerization. <i>Materials Letters</i> , 2021 , 295, 129808	3.3	1
243	High density polyethylene composites containing alumina-toughened zirconia particles: Mechanical and tribological behavior. <i>Composites Part B: Engineering</i> , 2021 , 217, 108892	10	9
242	Synthesis and characterization of UV-curable nanocellulose/ZnO/AlN acrylic flexible films: Thermal, dynamic mechanical and piezoelectric response. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49731	2.9	1
241	Effect of SiO ₂ Particles on the Relaxation Dynamics of Epoxidized Natural Rubber (ENR) in the Melt State by Time-Resolved Mechanical Spectroscopy. <i>Polymers</i> , 2021 , 13,	4.5	1
240	Thermal, dynamic-mechanical and electrical properties of UV-LED curable coatings containing porcupine-like carbon structures. <i>Materials Today Communications</i> , 2021 , 28, 102630	2.5	3
239	High Frequency Electromagnetic Shielding by Biochar-Based Composites. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
238	New sustainable flame retardant DOPO-NH-functionalized polyamide 6 and filament yarn. <i>Chemical Engineering Journal</i> , 2021 , 426, 130760	14.7	8
237	Biomacromolecules and bio-sourced products as flame retardants for textiles: a novel approach toward sustainability 2021 , 27-55		1
236	Influence of chitosan on the mechanical and biological properties of HDPE for biomedical applications. <i>Polymer Testing</i> , 2020 , 91, 106610	4.5	3

235	Fire and mechanical properties of DGEBA-based epoxy resin cured with a cycloaliphatic hardener: Combined action of silica, melamine and DOPO-derivative. <i>Materials and Design</i> , 2020 , 193, 108862	8.1	34
234	Structure Evolution of Epoxidized Natural Rubber (ENR) in the Melt State by Time-Resolved Mechanical Spectroscopy. <i>Materials</i> , 2020 , 13,	3.5	2
233	Rheological Behavior of Polymer/Carbon Nanotube Composites: An Overview. <i>Materials</i> , 2020 , 13,	3.5	9
232	Thermal stability and flame retardance of EVA containing DNA-modified clays. <i>Thermochimica Acta</i> , 2020 , 686, 178546	2.9	6
231	Poly(lactic Acid)-Biochar Biocomposites: Effect of Processing and Filler Content on Rheological, Thermal, and Mechanical Properties. <i>Polymers</i> , 2020 , 12,	4.5	33
230	Synthesis and Piezoelectric Characterization of UV-Curable Nanocellulose/ZnO/AlN Polymeric Flexible Films for Green Energy Generation Applications. <i>Proceedings (mdpi)</i> , 2020 , 56, 36	0.3	
229	Improving flame retardancy of in-situ silica-epoxy nanocomposites cured with aliphatic hardener: Combined effect of DOPO-based flame-retardant and melamine. <i>Composites Part C: Open Access</i> , 2020 , 2, 100022	1.6	7
228	Sol-gel technique for protective textile and clothing 2020 , 1-17		
227	Flame-Retardant Systems Based on Chitosan and Its Derivatives: State of the Art and Perspectives. <i>Molecules</i> , 2020 , 25,	4.8	18
226	Thermal and Fire Behavior of a Bio-Based Epoxy/Silica Hybrid Cured with Methyl Nadic Anhydride. <i>Polymers</i> , 2020 , 12,	4.5	11
225	Sol-Gel and Layer-by-Layer Coatings for Flame-Retardant Cotton Fabrics: Recent Advances. <i>Coatings</i> , 2020 , 10, 333	2.9	15
224	Preparation and Characterization of UV-LED Curable Acrylic Films Containing Biochar and/or Multiwalled Carbon Nanotubes: Effect of the Filler Loading on the Rheological, Thermal and Optical Properties. <i>Polymers</i> , 2020 , 12,	4.5	10
223	Phytic Acid and Biochar: An Effective All Bio-Sourced Flame Retardant Formulation for Cotton Fabrics. <i>Polymers</i> , 2020 , 12,	4.5	25
222	The role of alumina-zirconia loading on the mechanical and biological properties of UHMWPE for biomedical applications. <i>Composites Part B: Engineering</i> , 2019 , 164, 800-808	10	21
221	In situ prepared polyamide 6/DOPO-derivative nanocomposite for melt-spinning of flame retardant textile filaments. <i>Polymer Degradation and Stability</i> , 2019 , 166, 50-59	4.7	26
220	NanoTiO@DNA complex: a novel eco, durable, fire retardant design strategy for cotton textiles. <i>Journal of Colloid and Interface Science</i> , 2019 , 546, 174-183	9.3	36
219	Synthesis and characterization of a phosphorous/nitrogen based sol-gel coating as a novel halogen- and formaldehyde-free flame retardant finishing for cotton fabric. <i>Polymer Degradation and Stability</i> , 2019 , 162, 148-159	4.7	51
218	Structure-Property Relationships in Polyethylene-Based Composites Filled with Biochar Derived from Waste Coffee Grounds. <i>Polymers</i> , 2019 , 11,	4.5	28

217	The role of different dry-mixing techniques on the mechanical and biological behavior of UHMWPE/alumina-zirconia composites for biomedical applications. <i>European Polymer Journal</i> , 2019 , 120, 109274	5.2	12
216	Hybrid Silica-Phytic Acid Coatings: Effect on the Thermal Stability and Flame Retardancy of Cotton. <i>Polymers</i> , 2019 , 11,	4.5	13
215	Biomacromolecules and Bio-Sourced Products for the Design of Flame Retarded Fabrics: Current State of the Art and Future Perspectives. <i>Molecules</i> , 2019 , 24,	4.8	23
214	Flame Retarded Cotton Fabrics: Current Achievements, Open Challenges, and Future Perspectives 2019 , 1-32		
213	UV-curable acrylic coatings containing biomacromolecules: A new fire retardant strategy for ethylene-vinyl acetate copolymers. <i>Progress in Organic Coatings</i> , 2019 , 127, 330-337	4.8	14
212	Textile finishing with biomacromolecules: A low environmental impact approach in flame retardancy 2019 , 251-279		1
211	Fire retardant action of zinc phosphinate and polyamide 11 blend containing lignin as a carbon source. <i>Polymer Degradation and Stability</i> , 2018 , 153, 63-74	4.7	17
210	Coatings made of proteins adsorbed on TiO ₂ nanoparticles: a new flame retardant approach for cotton fabrics. <i>Cellulose</i> , 2018 , 25, 2755-2765	5.5	29
209	UV-Cured Composite Films Containing ZnO Nanostructures: Effect of Filler Shape on Piezoelectric Response. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 323-330	0.2	1
208	An Overview on the Use of Lignin and Its Derivatives in Fire Retardant Polymer Systems 2018 ,		22
207	Thermal and rheological behavior of PEG-based nanocomposites: Effect of filler aspect ratio and size 2018 ,		1
206	Effects of the nanofiller size and aspect ratio on the thermal and rheological behavior of PEG nanocomposites containing boehmites or hydrotalcites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 1667-1680	4.1	7
205	Semi-interpenetrating polymer networks based on crosslinked poly(N-isopropyl acrylamide) and methylcellulose prepared by frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 437-443 ^{2.5}		6
204	Sliding Crosslinked Thermo-responsive Materials: Polypseudorotaxanes Made of Poly(N-Isopropylacrylamide) and Acrylamide- β -Cyclodextrin. <i>Frontiers in Chemistry</i> , 2018 , 6, 585	5	9
203	Relaxation Dynamics in Polyethylene Glycol/Modified Hydrotalcite Nanocomposites. <i>Polymers</i> , 2018 , 10,	4.5	3
202	Effects of post cure treatment in the glass transformation range on the structure and fire behavior of in situ generated silica/epoxy hybrids. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 87, 156-169	2.3	9
201	Bio-Macromolecules: A New Flame Retardant Finishing Strategy for Textiles 2018 , 357-385		
200	Sol-Gel Flame Retardant and/or Antimicrobial Finishings for Cellulosic Textiles 2018 , 501-519		

199	Thermal and flame retardant behaviour of cotton fabrics treated with a novel nitrogen-containing carboxyl-functionalized organophosphorus system. <i>Carbohydrate Polymers</i> , 2018 , 196, 348-358	10.3	60
198	Biodegradation of unvulcanized natural rubber by microorganisms isolated from soil and rubber surface: A preliminary study. <i>Bioremediation Journal</i> , 2018 , 22, 43-52	2.3	9
197	Semi-interpenetrating polymer networks of methyl cellulose and polyacrylamide prepared by frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 1268-1274	2.5	13
196	Vinylphosphonic acid/methacrylamide system as a durable intumescent flame retardant for cotton fabric. <i>Cellulose</i> , 2017 , 24, 3095-3108	5.5	31
195	Preparation and characterization of UV-cured composite films containing ZnO nanostructures: Effect of filler geometric features on piezoelectric response. <i>Progress in Organic Coatings</i> , 2017 , 109, 45-54	4.8	14
194	Thermal Stability and Fire Retardant Properties of Polyamide 11 Microcomposites Containing Different Lignins. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13704-13714	3.9	30
193	Nucleic acids from agro-industrial wastes: A green recovery method for fire retardant applications. <i>Industrial Crops and Products</i> , 2017 , 108, 208-218	5.9	22
192	Intumescent formulations based on lignin and phosphinates for the bio-based textiles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 254, 052004	0.4	1
191	Intumescent flame retardant properties of graft copolymerized vinyl monomers onto cotton fabric. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 254, 122009	0.4	2
190	High barrier composite materials based on renewable sources for food packaging applications 2017 , 45-78		3
189	Phosphorus-Silica Sol-Gel Hybrid Coatings for Flame Retardant Cotton Fabrics. <i>Tekstilec</i> , 2017 , 60, 29-35	2.1	4
188	Synthesis and Characterization of UV-LED Curable Nanocomposite Coatings. <i>Current Organic Chemistry</i> , 2017 , 21,	1.7	3
187	Exploitation of Self-Assembly Phenomena in Liquid-Crystalline Polymer Phases for Obtaining Multifunctional Materials 2016 , 37-62		
186	An online acquisition method for monitoring the surface growth of flame retardant protective layers. <i>Fire and Materials</i> , 2016 , 40, 544-553	1.8	1
185	Layer-by-Layer nanostructured assemblies for the fire protection of fabrics. <i>Materials Letters</i> , 2016 , 166, 339-342	3.3	10
184	Chapter 11 Degradation of Polymeric Micro- and Nanocomposites 2016 , 319-352		
183	Silica Treatments: A Fire Retardant Strategy for Hemp Fabric/Epoxy Composites. <i>Polymers</i> , 2016 , 8,	4.5	34
182	Hybrid Organic/Inorganic Coatings Through Dual-Cure Processes: State of the Art and Perspectives. <i>Coatings</i> , 2016 , 6, 10	2.9	26

181	Surface-Engineered Fire Protective Coatings for Fabrics through Sol-Gel and Layer-by-Layer Methods: An Overview. <i>Coatings</i> , 2016 , 6, 33	2.9	50
180	Recent Advances for Flame Retardancy of Textiles Based on Phosphorus Chemistry. <i>Polymers</i> , 2016 , 8,	4.5	123
179	Cotton flame retardancy: state of the art and future perspectives. <i>RSC Advances</i> , 2015 , 5, 24239-24263	3.7	110
178	A comparison of the relative friction and wear responses of PTFE and a PTFE-based composite when tested using three different types of sliding wear machines. <i>Tribology International</i> , 2015 , 90, 15-21	4.9	24
177	Functionalization of cellulose fibres with DOPO-polysilsesquioxane flame retardant nanocoating. <i>Cellulose</i> , 2015 , 22, 1893-1910	5.5	84
176	DNA coatings on cotton fabrics: Effect of molecular size and pH on flame retardancy. <i>Surface and Coatings Technology</i> , 2015 , 272, 86-95	4.4	26
175	Thermal and flame retardant properties of ethylene vinyl acetate copolymers containing deoxyribose nucleic acid or ammonium polyphosphate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 705-715	4.1	13
174	Thermal shielding performances of nano-structured intumescent coatings containing organo-modified layered double hydroxides. <i>Progress in Organic Coatings</i> , 2015 , 78, 504-510	4.8	39
173	Thermal Degradation of Cellulose and Cellulosic Substrates 2015 , 301-332		13
172	Bulk vs. surface flame retardancy of fully bio-based polyamide 10,10. <i>RSC Advances</i> , 2015 , 5, 39424-39433	3.7	24
171	Synergistic effects occurring between water glasses and urea/ammonium dihydrogen phosphate pair for enhancing the flame retardancy of cotton. <i>Cellulose</i> , 2015 , 22, 2825-2835	5.5	19
170	Thermal degradation of DNA, an all-in-one natural intumescent flame retardant. <i>Polymer Degradation and Stability</i> , 2015 , 113, 110-118	4.7	74
169	Layer by layer assembly of flame retardant thin films on closed cell PET foams: Efficiency of ammonium polyphosphate versus DNA. <i>Polymer Degradation and Stability</i> , 2015 , 113, 189-196	4.7	37
168	Synthesis and characterization of functionally gradient materials obtained by frontal polymerization. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3600-6	9.5	52
167	UV-Cured Networks Containing Liquid Crystalline Phases: State of the Art and Perspectives 2015 , 197-219		1
166	Caseins and hydrophobins as novel green flame retardants for cotton fabrics. <i>Polymer Degradation and Stability</i> , 2014 , 99, 111-117	4.7	166
165	Current emerging techniques to impart flame retardancy to fabrics: An overview. <i>Polymer Degradation and Stability</i> , 2014 , 106, 138-149	4.7	194
164	Self-assembled hybrid nanoarchitectures deposited on poly(urethane) foams capable of chemically adapting to extreme heat. <i>RSC Advances</i> , 2014 , 4, 16674-16680	3.7	35

163	Biomacromolecules as novel green flame retardant systems for textiles: an overview. <i>RSC Advances</i> , 2014 , 4, 46024-46039	3.7	116
162	Materials engineering for surface-confined flame retardancy. <i>Materials Science and Engineering Reports</i> , 2014 , 84, 1-20	30.9	110
161	Intumescent features of nucleic acids and proteins. <i>Thermochimica Acta</i> , 2014 , 591, 31-39	2.9	48
160	Bulk or surface treatments of ethylene vinyl acetate copolymers with DNA: Investigation on the flame retardant properties. <i>European Polymer Journal</i> , 2014 , 51, 112-119	5.2	51
159	Thermal degradation of DNA-treated cotton fabrics under different heating conditions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 108, 212-221	6	72
158	Preparation and characterization of polymeric nanocomposites containing exfoliated tungstenite at high concentrations. <i>Composites Science and Technology</i> , 2014 , 96, 97-102	8.6	5
157	Flame Retardancy of Polyester and Polyester/Cotton Blends Treated with Caseins. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3917-3923	3.9	94
156	UV-cured hybrid organic/organic Layer by Layer assemblies: Effect on the flame retardancy of polycarbonate films. <i>Polymer Degradation and Stability</i> , 2014 , 107, 74-81	4.7	42
155	A new era for flame retardant materials?. <i>Materials Today</i> , 2014 , 17, 152-153	21.8	41
154	Preparation of nanocomposites by swelling of a UV cured cycloaliphatic epoxy film in a silica precursor. <i>International Journal of Plastics Technology</i> , 2014 , 18, 173-182	2.7	2
153	Sol-gel derived architectures for enhancing cotton flame retardancy: Effect of pure and phosphorus-doped silica phases. <i>Polymer Degradation and Stability</i> , 2014 , 99, 92-98	4.7	54
152	Flame Retardant Properties of Ethylene Vinyl Acetate Copolymers Melt-Compounded with Deoxyribonucleic Acid in the Presence of β -cellulose or α -cyclodextrins. <i>Current Organic Chemistry</i> , 2014 , 18, 1651-1660	1.7	10
151	Acrylic microspheres as drug-delivery systems: synthesis through in situ microemulsion photoinduced polymerization and characterization. <i>Polymer International</i> , 2013 , 62, 304-309	3.3	3
150	Thermal stability and flame retardancy of polyester fabrics sol-gel treated in the presence of boehmite nanoparticles. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1609-1616	4.7	44
149	Green DNA-based flame retardant coatings assembled through Layer by Layer. <i>Polymer</i> , 2013 , 54, 5148-5153	5.5	153
148	Layer by Layer coatings assembled through dipping, vertical or horizontal spray for cotton flame retardancy. <i>Carbohydrate Polymers</i> , 2013 , 92, 114-9	10.3	76
147	A dielectric study on colloidal silica nanoparticle Layer-by-Layer assemblies on polycarbonate. <i>Journal of Colloid and Interface Science</i> , 2013 , 408, 252-5	9.3	2
146	Layer by layer nanoarchitectures for the surface protection of polycarbonate. <i>European Polymer Journal</i> , 2013 , 49, 397-404	5.2	43

145	Flame Retardancy of Polyester Fabrics Treated by Spray-Assisted Layer-by-Layer Silica Architectures. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9544-9550	3.9	63
144	Heat and moisture transfer in sol-gel treated cotton fabrics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 459-465	4.1	11
143	Thermal, rheological, and barrier properties of waterborne acrylic nanocomposite coatings based on boehmite or organo-modified montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 1303-1310	4.1	17
142	Flammability and combustion properties of ammonium polyphosphate-/poly(acrylic acid)- based layer by layer architectures deposited on cotton, polyester and their blends. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1626-1637	4.7	64
141	Heating rate effect on char yield from cotton, poly(ethylene terephthalate) and blend fabrics. <i>Carbohydrate Polymers</i> , 2013 , 92, 1327-34	10.3	85
140	Hybrid organic-organic UV-cured films containing liquid-crystalline units. <i>Thin Solid Films</i> , 2013 , 548, 150-156	2.2	12
139	Phosphorus- and nitrogen-doped silica coatings for enhancing the flame retardancy of cotton: Synergisms or additive effects?. <i>Polymer Degradation and Stability</i> , 2013 , 98, 579-589	4.7	76
138	DNA: a novel, green, natural flame retardant and suppressant for cotton. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4779	13	198
137	The role of pre-hydrolysis on multi step sol-gel processes for enhancing the flame retardancy of cotton. <i>Cellulose</i> , 2013 , 20, 525-535	5.5	38
136	Synthesis and characterization of graphene-based nanocomposites with potential use for biomedical applications. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	21
135	Intrinsic intumescent-like flame retardant properties of DNA-treated cotton fabrics. <i>Carbohydrate Polymers</i> , 2013 , 96, 296-304	10.3	144
134	Thermal stability and flame resistance of cotton fabrics treated with whey proteins. <i>Carbohydrate Polymers</i> , 2013 , 94, 372-7	10.3	133
133	Thermal stability, flame retardancy and abrasion resistance of cotton and cotton-linen blends treated by sol-gel silica coatings containing alumina micro- or nano-particles. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1428-1438	4.7	39
132	Permeation Behavior of Polysulfone Membranes Modified by Fully Organic Layer-by-Layer Assemblies. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16406-16413	3.9	13
131	Multi-component flame resistant coating techniques for textiles 2013 , 68-93		5
130	Dielectric study of low glass transition temperature cycloaliphatic UV-curable epoxy networks. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 1269-1282	2.3	10
129	Synthesis and characterization of nanocomposites of thermoplastic polyurethane with both graphene and graphene nanoribbon fillers. <i>Polymer</i> , 2012 , 53, 4019-4024	3.9	33
128	Thermal and fire stability of cotton fabrics coated with hybrid phosphorus-doped silica films. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 1207-1216	4.1	72

127	Hybrid phosphorus-doped silica architectures derived from a multistep sol-gel process for improving thermal stability and flame retardancy of cotton fabrics. <i>Polymer Degradation and Stability</i> , 2012 , 97, 1334-1344	4.7	72
126	Cotton fabrics treated with novel oxidic phases acting as effective smoke suppressants. <i>Carbohydrate Polymers</i> , 2012 , 90, 251-60	10.3	30
125	Influence of ammonium polyphosphate-/poly(acrylic acid)-based layer by layer architectures on the char formation in cotton, polyester and their blends. <i>Polymer Degradation and Stability</i> , 2012 , 97, 1644-1653	4.7	80
124	State of the art and perspectives on sol-gel derived hybrid architectures for flame retardancy of textiles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21805-21809		94
123	Textile Flame Retardancy Through Surface-Assembled Nanoarchitectures. <i>ACS Symposium Series</i> , 2012 , 327-341	0.4	1
122	Synthesis and characterization of graphene-containing thermoresponsive nanocomposite hydrogels of poly(N-vinylcaprolactam) prepared by frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 4110-4118	2.5	55
121	Layer by layer complex architectures based on ammonium polyphosphate, chitosan and silica on polyester-cotton blends: flammability and combustion behaviour. <i>Cellulose</i> , 2012 , 19, 1041-1050	5.5	118
120	Sol-gel treatments on cotton fabrics for improving thermal and flame stability: Effect of the structure of the alkoxy silane precursor. <i>Carbohydrate Polymers</i> , 2012 , 87, 627-635	10.3	64
119	Thermal stability, flame retardancy and mechanical properties of cotton fabrics treated with inorganic coatings synthesized through sol-gel processes. <i>Carbohydrate Polymers</i> , 2012 , 87, 2093-2099	10.3	93
118	Cyclodextrin nanosponges as novel green flame retardants for PP, LLDPE and PA6. <i>Carbohydrate Polymers</i> , 2012 , 88, 1387-1394	10.3	65
117	Layer by Layer ammonium polyphosphate-based coatings for flame retardancy of polyester/cotton blends. <i>Carbohydrate Polymers</i> , 2012 , 88, 1460-1469	10.3	168
116	Exploring composites based on PPO blend as ablative thermal protection systems [Part I: The role of layered fillers. <i>Composite Structures</i> , 2012 , 94, 1067-1074	5.3	19
115	Exploring composites based on PPO blend as ablative thermal protection systems [Part II: The role of equiaxial fillers. <i>Composite Structures</i> , 2012 , 94, 1060-1066	5.3	9
114	In situ production of high filler content graphene-based polymer nanocomposites by reactive processing. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16544		44
113	Zirconium phosphate-based nanoarchitectures on polyester fabrics through layer-by-layer assembly. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10370		105
112	Graphene-containing thermoresponsive nanocomposite hydrogels of poly(N-isopropylacrylamide) prepared by frontal polymerization. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8727		179
111	Durability of acrylic films from commercial aqueous dispersion: Glass transition temperature and tensile behavior as indexes of photooxidative degradation. <i>Progress in Organic Coatings</i> , 2011 , 70, 116-121	4.8	20
110	Sol-gel treatments for enhancing flame retardancy and thermal stability of cotton fabrics: optimisation of the process and evaluation of the durability. <i>Cellulose</i> , 2011 , 18, 167-177	5.5	83

109	Cotton fabrics treated with hybrid organic/inorganic coatings obtained through dual-cure processes. <i>Cellulose</i> , 2011 , 18, 1335-1348	5.5	44
108	Novel flame retardant finishing systems for cotton fabrics based on phosphorus-containing compounds and silica derived from sol-gel processes. <i>Carbohydrate Polymers</i> , 2011 , 85, 599-608	10.3	162
107	Thermal stability and flame retardancy of polyester, cotton, and relative blend textile fabrics subjected to sol-gel treatments. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1961-1969	2.9	92
106	Dielectric study of a cyclo-aliphatic UV-curable epoxy resin copolymerized with a low glass transition co-monomer bearing methylene units 2011 ,		2
105	Testing fire protective properties of intumescent coatings by in-line temperature measurements on a cone calorimeter. <i>Progress in Organic Coatings</i> , 2010 , 69, 475-480	4.8	38
104	Effect of various alumina nano-fillers on the thermal and mechanical behaviour of low-density polyethylene/Al ₂ O ₃ composites. <i>Polymer International</i> , 2010 , 59, n/a-n/a	3.3	1
103	The effect of chain packing on the thermal and dynamic mechanical behaviour of liquid-crystalline epoxy thermosets. <i>Polymer International</i> , 2010 , 59, 1415-1421	3.3	7
102	Thermomechanical and barrier properties of UV-cured epoxy/O-montmorillonite nanocomposites. <i>Polymer Engineering and Science</i> , 2010 , 50, 1400-1407	2.3	7
101	Cationic photopolymerization of bisphenol-A-based vinyl ether systems. <i>Progress in Organic Coatings</i> , 2009 , 65, 337-340	4.8	7
100	Epoxy/siloxane hybrid coatings by a dual-curing process. <i>Advances in Polymer Technology</i> , 2009 , 28, 77-85	1.9	14
99	Synthesis and cross-linking of bifunctional monomers containing carbazole moieties. <i>Reactive and Functional Polymers</i> , 2009 , 69, 325-329	4.6	3
98	Preparation and characterization of UV-cured acrylic nanocomposites based on modified organophilic montmorillonites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 839-844	4.1	8
97	UV-cured coatings based on waterborne resins and SiO ₂ nanoparticles 2009 , 6, 177-185		23
96	Freezing the orientation of a nematic stretched elastomer by photocrosslinking. <i>Polymer</i> , 2009 , 50, 1948-1956	5.1	5
95	UV-curable epoxy systems containing hyperbranched polymers: Kinetics investigation by photo-DSC and real-time FT-IR experiments. <i>Polymer Testing</i> , 2009 , 28, 157-164	4.5	36
94	Epoxy-nanocomposites containing exfoliated zirconium phosphate: Preparation via cationic photopolymerisation and physicochemical characterisation. <i>European Polymer Journal</i> , 2009 , 45, 2487-2493	5.3	22
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