Alfonso Maffezzoli

List of Publications by Year
in descending order

229 papers	8,643 citations	38738 50 h-index	62593 80 g-index
233 all docs	233 docs citations	233 times ranked	8455 citing authors

#	Article	IF	Citations
1	Shear buckling of aerospace panels made by induction welded thermoplastic matrix composite elements. Polymer Composites, 2022, 43, 4544-4555.	4.6	8
2	Autofluorescence of Model Polyethylene Terephthalate Nanoplastics for Cell Interaction Studies. Nanomaterials, 2022, 12, 1560.	4.1	13
3	Development and characterization of innovative carbon-based waste ashes/epoxy composites. Materials Today: Proceedings, 2021, 34, 133-139.	1.8	2
4	Active SHM for composite pipes using piezoelectric sensors. Materials Today: Proceedings, 2021, 34, 1-9.	1.8	8
5	Correlation between elastic properties and morphology in short fiber composites by X-ray computed micro-tomography. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106169.	7.6	22
6	Stress relaxation in asymmetric bistable composites: Experiments and simulations. Materials Today: Proceedings, 2021, 34, 10-15.	1.8	2
7	Time-dependent shape of bistable unsymmetric carbon fibers-epoxy thin laminates. Smart Materials and Structures, 2021, 30, 035004.	3.5	3
8	Production and Characterization of Polyethylene Terephthalate Nanoparticles. Polymers, 2021, 13, 3745.	4.5	20
9	Editorial: Advanced Thermoplastic Composites and Manufacturing Processes. Frontiers in Materials, 2020, 7, .	2.4	4
10	3D Printing of Polymer Waste for Improving Peopleâ€™s Awareness about Marine Litter. Polymers, 2020, 12, 1738.	4.5	25
11	Experimental and Numerical Study of Vacuum Resin Infusion of Stiffened Carbon Fiber Reinforced Panels. Materials, 2020, 13, 4800.	2.9	27
12	Deep Control of Linear Oligomerization of Glycerol Using Lanthanum Catalyst on Mesoporous Silica Gel. Catalysts, 2020, 10, 1170.	3.5	7
13	Buckling Behavior of Poly-Phenylene-Sulfide/Carbon L-Shaped Stringers and a Stiffened Panel Obtained by Induction Welding. Frontiers in Materials, 2020, 7, .	2.4	3
14	Compression behavior of soft PVC foams obtained by cardanol-derived plasticizer. Journal of Cellular Plastics, 2020, 56, 515-530.	2.4	4
15	Out-Of-Plane Permeability Evaluation of Carbon Fiber Preforms by Ultrasonic Wave Propagation. Materials, 2020, 13, 2684.	2.9	7
16	Highly loaded hydroxyapatite microsphere/ PLA porous scaffolds obtained by fused deposition modelling. Ceramics International, 2019, 45, 2803-2810.	4.8	173
17	Reversible techniques for FRP-confinement of masonry columns. Construction and Building Materials, 2019, 225, 415-428.	7.2	46
18	A Study on exfoliation of Expanded Graphite Stacks in Candelilla Wax. Materials, 2019, 12, 2530.	2.9	19

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19	Catalytic Activity of Oxidized Carbon Waste Ashes for the Crosslinking of Epoxy Resins. Polymers, 2019, 11, 1011.	4.5	9
20	Processing of Super Tough Plasticized PLA by Rotational Molding. Advances in Polymer Technology, 2019, 2019, 1-8.	1.7	14
21	Reliability of Protective Coatings for Flexible Piezoelectric Transducers in Aqueous Environments. Micromachines, 2019, 10, 739.	2.9	25
22	Rheological analysis of thermo-responsive alginate/PNIPAAm graft copolymers synthesized by gamma radiation. Radiation Physics and Chemistry, 2019, 156, 38-43.	2.8	9
23	Mechanical properties of poly(lactid acid) plasticized by cardanol derivatives. Polymer Degradation and Stability, 2019, 159, 199-204.	5.8	25
24	Ultrasonic spot welding of carbon fiber reinforced epoxy composites to aluminum: mechanical and electrochemical characterization. Composites Part B: Engineering, 2018, 144, 134-142.	12.0	94
25	Thermal analysis of poly(lactic acid) plasticized by cardanol derivatives. Journal of Thermal Analysis and Calorimetry, 2018, 134, 559-565.	3.6	23
26	One-step solvent-free process for the fabrication of high loaded PLA/HA composite filament for 3D printing. Journal of Thermal Analysis and Calorimetry, 2018, 134, 575-582.	3.6	53
27	Use of cardanol derivatives as plasticizers for PVC. Journal of Vinyl and Additive Technology, 2018, 24, E62.	3.4	25
28	Hybrid welding of carbon-fiber reinforced epoxy based composites. Composites Part A: Applied Science and Manufacturing, 2018, 104, 32-40.	7.6	64
29	Antimicrobial modified hydroxyapatite composite dental bite by stereolithography. Polymers for Advanced Technologies, 2018, 29, 364-371.	3.2	56
30	Relaxation of residual stresses during curing of polymer matrix composites. AIP Conference Proceedings, 2018, , .	0.4	0
31	Lay-Up and Consolidation of a Composite Pipe by In Situ Ultrasonic Welding of a Thermoplastic Matrix Composite Tape. Materials, 2018, 11, 786.	2.9	31
32	Effects of Blank Quality on Press-Formed PEKK/Carbon Composite Parts. Materials, 2018, 11, 1063.	2.9	26
33	Mechanical characterization of bistable laminates for very small aircraft morphing applications. , 2018, , .		1
34	Curing and viscoelasticity of vitrimers. Soft Matter, 2017, 13, 258-268.	2.7	82
35	Mechanical behavior of fibers and films based on PP/Quartz composites. Polymer Composites, 2017, 38, 1631-1639.	4.6	0
36	Rotational Molding of Poly(lactic acid): Effect of Polymer Grade and Granulometry. Advances in Polymer Technology, 2017, 36, 477-482.	1.7	14

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37	A mathematical modeling approach to optimize composite parts placement in autoclave. International Transactions in Operational Research, 2017, 24, 115-141.	2.7	8
38	3D printing of hydroxyapatite polymer-based composites for bone tissue engineering. Journal of Polymer Engineering, 2017, 37, 741-746.	1.4	65
39	Finite element modeling of continuous induction welding of thermoplastic matrix composites. Materials and Design, 2017, 120, 212-221.	7.0	55
40	Hybrid ultrasonic spot welding of aluminum to carbon fiber reinforced epoxy composites. Journal of Materials Processing Technology, 2017, 247, 289-295.	6.3	98
41	The feasibility of printing polylactic acidâ€"nanohydroxyapatite composites using a lowâ€cost fused deposition modeling 3D printer. Journal of Applied Polymer Science, 2017, 134, .	2.6	81
42	PolyDiethyleneglycolâ€"bisallyl carbonate matrix transparent nanocomposites reinforced with bacterial cellulose microfibrils. European Polymer Journal, 2017, 93, 192-199.	5.4	17
43	Adhesive joints with improved mechanical properties for aerospace applications. International Journal of Adhesion and Adhesives, 2017, 75, 174-180.	2.9	55
44	Resin pressure evolution during autoclave curing of epoxy matrix composites. Polymer Engineering and Science, 2017, 57, 631-637.	3.1	7
45	Diffusion in oriented lamellar nanocomposite: Numerical analysis of the effects of dispersion and intercalation. Computational Materials Science, 2017, 133, 45-51.	3.0	8
46	Effect of binder powders added to carbon fiber reinforcements on the chemoreology of an epoxy resin for composites. Composites Part B: Engineering, 2017, 112, 243-250.	12.0	30
47	UV and thermal stability of soft PVC plasticized with cardanol derivatives. Journal of Cleaner Production, 2017, 164, 757-764.	9.3	31
48	Mechanical and durability properties of soft PVC plasticized by cardanol derivatives. AIP Conference Proceedings, 2017, , .	0.4	4
49	Synthesis, Curing, and Properties of an Epoxy Resin Derived from Gallic Acid. BioResources, 2017, 13, .	1.0	15
50	Catalytic Activity of Oxidized Carbon Black and Graphene Oxide for the Crosslinking of Epoxy Resins. Polymers, 2017, 9, 133.	4.5	11
51	Rotational moulding of poly-lactic acid. AIP Conference Proceedings, 2016, , .	0.4	3
52	Resin flow and void formation in an autoclave cure cycle. AIP Conference Proceedings, 2016, , .	0.4	1
53	Nanostructured active chitosan-based films for food packaging applications: Effect of graphene stacks on mechanical properties. Measurement: Journal of the International Measurement Confederation, 2016, 90, 418-423.	5.0	58
54	A Measure of CNTs Dispersion in Polymers With Branched Molecular Architectures by UDMA. IEEE Nanotechnology Magazine, 2016, 15, 731-737.	2.0	12

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55	Development of hybrid cotton/hydrogel yarns with improved absorption properties for biomedical applications. Materials Science and Engineering C, 2016, 63, 563-569.	7.3	13
56	Epoxy Resin Catalyzed by Graphite-Based Nanofillers. International Polymer Processing, 2016, 31, 548-553.	0.5	2
57	Smoldering and Flame Resistant Textiles via Conformal Barrier Formation. Advanced Materials Interfaces, 2016, 3, 1600617.	3.7	6
58	Effect of the epoxidation yield of a cardanol derivative on the plasticization and durability of soft PVC. Polymer Degradation and Stability, 2016, 134, 220-226.	5.8	37
59	Orientation of Graphene Nanoplatelets in Thermosetting Matrices. IEEE Nanotechnology Magazine, 2016, 15, 877-883.	2.0	6
60	Effect of multi-scale diffusion on the permeability behavior of intercalated nanocomposites. Journal of Membrane Science, 2016, 505, 92-99.	8.2	13
61	Finite element simulation and analytical modeling of 3D multi scale diffusion in nanocomposites with permeable stacks. Modelling and Simulation in Materials Science and Engineering, 2016, 24, 015003.	2.0	8
62	Cardanol derivatives as innovative bio-plasticizers for poly-(lactic acid). Polymer Degradation and Stability, 2016, 132, 213-219.	5.8	32
63	Graphene oxide as a catalyst for ring opening reactions in amine crosslinking of epoxy resins. RSC Advances, 2016, 6, 23858-23865.	3.6	58
64	Modeling of continuous ultrasonic impregnation and consolidation of thermoplastic matrix composites. Composites Part A: Applied Science and Manufacturing, 2016, 82, 119-129.	7.6	48
65	SOLUBILITY AND DURABILITY OF CARDANOL DERIVED PLASTICIZERS FOR SOFT PVC. Environmental Engineering and Management Journal, 2016, 15, 1989-1995.	0.6	6
66	Cure reaction of epoxy resins catalyzed by graphite-based nanofiller. AIP Conference Proceedings, 2015, , .	0.4	2
67	Solubility and durability of cardanol derived plasticizers for soft PVC. AIP Conference Proceedings, 2015, , .	0.4	1
68	Analysis of the Suitability of Poly(lactic acid) in Rotational Molding Process. Advances in Polymer Technology, 2015, 34, .	1.7	18
69	Rotational molding of biodegradable composites obtained with <scp>PLA</scp> reinforced by the wooden backbone of opuntia ficus indica cladodes. Journal of Applied Polymer Science, 2015, 132, .	2.6	28
70	Processing and characterization of amorphous polyethylene terephthalate fibers for the alignment of carbon nanofillers in thermosetting resins. Polymer Composites, 2015, 36, 1096-1103.	4.6	26
71	Ultrasonic Assisted Consolidation of Commingled Thermoplastic/Glass Fiber Rovings. Frontiers in Materials, 2015, 2, .	2.4	14
72	Using Ultrasound Wave Propagation to Estimate the Dispersion of Nanostructures in Polymers with Complex Molecular Architectures. , 2015, , .		2

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73	Graphene reinforced Chitosan-Cinnamaldehyde derivatives films: antifungal activity and mechanical properties. , 2015, , .		1
74	Rapid Prototyping of hydroxyapatite polymer based nanocomposites for bone tissue engineering. , 2015, , .		0
75	Nanofilled polyethylene terephthalate fibers for the production of hierarchical polymer based composites. , 2015, , .		1
76	Finite Element Modeling of Multiscale Diffusion in Intercalated Nanocomposites. Journal of Nanomaterials, 2015, 2015, 1-11.	2.7	10
77	Structural behaviour modelling of bolted joints in composite laminates subjected to cyclic loading. Aerospace Science and Technology, 2015, 43, 89-95.	4.8	19
78	A magnetic and highly reusable macroporous superhydrophobic/superoleophilic PDMS/MWNT nanocomposite for oil sorption from water. Journal of Materials Chemistry A, 2015, 3, 17685-17696.	10.3	128
79	Fabrication of a thermoplastic matrix composite stiffened panel by induction welding. Aerospace Science and Technology, 2015, 43, 314-320.	4.8	59
80	A Perspective on the Prowaste Concept: Efficient Utilization of Plastic Waste through Product Design and Process Innovation. Materials, 2014, 7, 5385-5402.	2.9	3
81	Carbon nanotube alignment in a thermosetting resin. AIP Conference Proceedings, 2014, , .	0.4	3
82	Experimental measurement of transversal microâ€•and macro permeability during compression molding of PP/Glass composites. Polymer Composites, 2014, 35, 105-112.	4.6	5
83	Development of Semi- and Grafted Interpenetrating Polymer Networks Based on Poly(Ethylene Glycol) Diacrylate and Collagen. Journal of Applied Biomaterials and Functional Materials, 2014, 12, 183-192.	1.6	13
84	Analysis and Characterization of the Mechanical Structure for the I-Tracker of the Mu2e Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2014, 248-250, 134-136.	0.4	2
85	Selective reinforcement of LLDPE components produced by rotational molding with thermoplastic matrix pultruded profiles. Composites Part B: Engineering, 2014, 56, 157-162.	12.0	22
86	A methodology to orient carbon nanotubes in a thermosetting matrix. Composites Science and Technology, 2014, 96, 47-55.	7.8	32
87	Mechanical properties of basalt fibers and their adhesion to polypropylene matrices. Composites Part B: Engineering, 2014, 67, 233-238.	12.0	80
88	Catalytic activity of graphite-based nanofillers on cure reaction of epoxy resins. Polymer, 2014, 55, 5612-5615.	3.8	56
89	Development and characterization of UV curable epoxy/hydroxyapatite suspensions for stereolithography applied to bone tissue engineering. Ceramics International, 2014, 40, 15455-15462.	4.8	88
90	Sintering of PLLA powders for rotational molding. Thermochimica Acta, 2014, 582, 59-67.	2.7	19

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91	Rotational molding of pultruded profiles reinforced polyethylene. , 2014, , .		1
92	Rotational molding of bio-polymers. AIP Conference Proceedings, 2014, , .	0.4	4
93	Processing and Properties of a Polymer/Composite Double-Layer Laminate. Advances in Polymer Technology, 2013, 32, E32-E43.	1.7	9
94	A Comparative Study Between Bio-composites Obtained with Opuntia ficus indica Cladodes and Flax Fibers. Journal of Polymers and the Environment, 2013, 21, 910-916.	5.0	32
95	Antibacterial natural leather for application in the public transport system. Journal of Coatings Technology Research, 2013, 10, 239-245.	2.5	29
96	Transport properties of graphite/epoxy composites: Thermal,Âpermeability and dielectric characterization. Polymer Testing, 2013, 32, 880-888.	4.8	64
97	Thermal and chemical treatments of recycled carbon fibres for improved adhesion to polymeric matrix. Journal of Composite Materials, 2013, 47, 369-377.	2.4	52
98	Optimization of Parts Placement in Autoclave Processing of Composites. Applied Composite Materials, 2013, 20, 233-248.	2.5	22
99	Ultra-low mass drift chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 443-445.	1.6	3
100	Two-dimensional and three-dimensional simulation of diffusion in nanocomposite with arbitrarily oriented lamellae. Journal of Membrane Science, 2013, 442, 238-244.	8.2	22
101	Micro- and macro-impregnation of fabrics using thermoplastic matrices. Journal of Thermoplastic Composite Materials, 2013, 26, 527-543.	4.2	10
102	The aspect ratio of epoxy matrix nanocomposites reinforced with graphene stacks. Polymer Engineering and Science, 2013, 53, 531-539.	3.1	72
103	An Overview of Progress and Current Challenges in Ultrasonic Treatment of Polymer Melts. Advances in Polymer Technology, 2013, 32, .	1.7	39
104	Monitoring the Cure State of Thermosetting Resins by Ultrasound. Materials, 2013, 6, 3783-3804.	2.9	112
105	Replicating degradable artefacts. A project for analysis and exhibition of early medieval objects from the Byzantine village at Scorpo (Supersano, Italy). , 2013, , .		2
106	Potential of Cellulose-Based Superabsorbent Hydrogels as Water Reservoir in Agriculture. International Journal of Polymer Science, 2013, 2013, 1-6.	2.7	178
107	Monitoring Wood Degradation during Weathering by Cellulose Crystallinity. Materials, 2012, 5, 1910-1922.	2.9	212
108	Development and Characterization of Amorphous Thermoplastic Matrix Graphene Nanocomposites. Materials, 2012, 5, 1972-1985.	2.9	17

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109	Analysis of ageing of amorphous thermoplastic polymers by PVT analysis. , 2012, , .		0
110	An investigation into sintering of PA6 nanocomposite powders for rotational molding. Journal of Thermal Analysis and Calorimetry, 2012, 109, 1493-1502.	3.6	19
111	Effect of the addition of organically modified nanofiller on the relaxation behavior of a thermoplastic amorphous matrix. Thermochimica Acta, 2012, 543, 226-231.	2.7	17
112	Engineering Nanostructured Silver Coatings for Antimicrobial Applications. , 2012, , 313-336.		12
113	Echographic detectability of optoacoustic signals from low-concentration PEG-coated gold nanorods. International Journal of Nanomedicine, 2012, 7, 4373.	6.7	20
114	Lowâ€velocity impact response in composite plates embedding shape memory alloy wires. Polymer Composites, 2012, 33, 655-664.	4.6	23
115	Silverâ€coated wool yarns with durable antibacterial properties. Journal of Applied Polymer Science, 2012, 125, 2239-2244.	2.6	36
116	Hepatic Vessel Segmentation for 3D Planning of Liver Surgery. Academic Radiology, 2011, 18, 461-470.	2.5	57
117	Antibacterial coatings on haemodialysis catheters by photochemical deposition of silver nanoparticles. Journal of Materials Science: Materials in Medicine, 2011, 22, 2005-2012.	3.6	100
118	Effects of diffusion of a naturally-derived plasticizer from soft PVC. Polymer Degradation and Stability, 2011, 96, 784-789.	5.8	59
119	Assessment of the relevance of sintering in thermoplastic commingled yarn consolidation. Polymer Composites, 2011, 32, 657-664.	4.6	14
120	Evaluation of the degree of dispersion of nanofillers by mechanical, rheological, and permeability analysis. Polymer Engineering and Science, 2011, 51, 1280-1285.	3.1	46
121	On-line Consolidation of Commingled Polypropylene/Glass Roving During Filament Winding. Journal of Thermoplastic Composite Materials, 2011, 24, 789-804.	4.2	9
122	Ultrasonic transducers for cure monitoring: design, modelling and validation. Measurement Science and Technology, 2011, 22, 124002.	2.6	10
123	Numerical simulation of the microscale impregnation in commingled thermoplastic composite yarns. Advances in Polymer Technology, 2010, 29, 122-130.	1.7	7
124	Preface to the special issue: Thermoplastic composite materials. Advances in Polymer Technology, 2010, 29, 69-69.	1.7	0
125	Processing, mechanical properties, and interfacial bonding of a thermoplastic coreâ€foam/compositeâ€skin sandwich panel. Advances in Polymer Technology, 2010, 29, 137-145.	1.7	8
126	Development and characterization of celluloseâ€based hydrogels for use as dietary bulking agents. Journal of Applied Polymer Science, 2010, 115, 1438-1444.	2.6	39

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127	Analysis of the structure and mass transport properties of clay nanocomposites based on amorphous PET. Journal of Applied Polymer Science, 2010, 118, 3666-3672.	2.6	39
128	Plasticizer for poly(vinyl chloride) from cardanol as a renewable resource material. Polymer Degradation and Stability, 2010, 95, 2169-2174.	5.8	150
129	Nanofilled polyols for viscoelastic polyurethane foams. Polymer International, 2010, 59, 486-491.	3.1	35
130	Cardanol Based Matrix for Jute Reinforced Pipes. Macromolecular Symposia, 2010, 296, 526-530.	0.7	10
131	Collagen- and gelatine-based films sealing vascular prostheses: evaluation of the degree of crosslinking for optimal blood impermeability. Journal of Materials Science: Materials in Medicine, 2009, 20, 1979-1989.	3.6	37
132	Characterization of antibacterial silver coated yarns. Journal of Materials Science: Materials in Medicine, 2009, 20, 2361-2366.	3.6	110
133	Embedding of Superelastic SMA Wires into Composite Structures: Evaluation of Impact Properties. Journal of Materials Engineering and Performance, 2009, 18, 522-530.	2.5	35
134	Mechanical and Vibration Characteristics of Laminated Composite Plates Embedding Shape Memory Alloy Superelastic Wires. Journal of Materials Engineering and Performance, 2009, 18, 531-537.	2.5	27
135	Analysis of the structure and mass transport properties of nanocomposite polyurethane. Polymer Engineering and Science, 2009, 49, 1708-1718.	3.1	36
136	Synthesis and characterization of optically transparent epoxy matrix nanocomposites. Materials Science and Engineering C, 2009, 29, 1798-1802.	7.3	20
137	Glass transition in thermosetting clay-nanocomposite polyurethanes. Thermochimica Acta, 2009, 485, 43-48.	2.7	61
138	Effects of thermal history in the ring opening polymerization of CBT and its mixtures with montmorillonite on the crystallization of the resulting poly(butylene terephthalate). Thermochimica Acta, 2009, 493, 61-67.	2.7	28
139	Use of steel fibres recovered from waste tyres as reinforcement in concrete: Pull-out behaviour, compressive and flexural strength. Waste Management, 2009, 29, 1960-1970.	7.4	191
140	UV-curable epoxy systems containing hyperbranched polymers: Kinetics investigation by photo-DSC and real-time FT-IR experiments. Polymer Testing, 2009, 28, 157-164.	4.8	45
141	Effect of a Nanodispersed Clay Fillers on Glass Transition of Thermosetting Polyurethane. Macromolecular Symposia, 2009, 286, 180-186.	0.7	5
142	Hydrogel based tissue mimicking phantom for inâ€vitro ultrasound contrast agents studies. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 338-345.	3.4	42
143	Nonsupercritical synthesis of microporous gels. Journal of Applied Polymer Science, 2008, 110, 2563-2568.	2.6	0
144	Novel superabsorbent celluloseâ€based hydrogels crosslinked with citric acid. Journal of Applied Polymer Science, 2008, 110, 2453-2460.	2.6	386

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145	Efficient utilization of plastic waste through product design and process adaptation: A case study on stiffness enhancement of beams produced from plastic lumber. Advances in Polymer Technology, 2008, 27, 133-142.	1.7	4
146	Correction of melting peaks of different PE grades accounting for heat transfer in DSC samples. Polymer Testing, 2008, 27, 61-74.	4.8	24
147	Spring-in angle as molding distortion for thermoplastic matrix composite. Composites Science and Technology, 2008, 68, 3047-3054.	7.8	36
148	Photo â€“ DSC and real time â€“ FT-IR kinetic study of a UV curable epoxy resin containing o-Boehmites. European Polymer Journal, 2008, 44, 2010-2023.	5.4	56
149	Synthesis and characterization of clay-nanocomposite solvent-based polyurethane adhesives. International Journal of Adhesion and Adhesives, 2008, 28, 91-100.	2.9	69
150	CLAY-NANOCOMPOSITES POLYURETHANE ADHESIVES : ANALYSIS OF THE RIGID AMORPHOUS FRACTION. AIP Conference Proceedings, 2008, , .	0.4	0
151	Polymer characterization by ultrasonic wave propagation. Advances in Polymer Technology, 2008, 27, 63-73.	1.7	73
152	Acrylic-based hydrogel phantom forin vitroultrasound contrast agent characterization. Virtual and Physical Prototyping, 2007, 2, 191-196.	10.4	3
153	Air-Coupled Ultrasonic Cure Monitoring of Unsaturated Polyester Resins. Macromolecular Symposia, 2007, 247, 50-58.	0.7	11
154	Air-Coupled Ultrasound: A Novel Technique for Monitoring the Curing of Thermosetting Matrices. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1437-1444.	3.0	26
155	Synthesis of a novel cardanol-based benzoxazine monomer and environmentally sustainable production of polymers and bio-composites. Green Chemistry, 2007, 9, 754.	9.0	254
156	Spin coating cellulose derivatives on quartz crystal microbalance plates to obtain hydrogelâ€based fast sensors and actuators. Journal of Applied Polymer Science, 2007, 106, 3040-3050.	2.6	29
157	A preliminary study on bladder-assisted rotomolding of thermoplastic polymer composites. Advances in Polymer Technology, 2007, 26, 21-32.	1.7	20
158	Flexural creep behaviour of PP matrix woven composite. Composites Science and Technology, 2007, 67, 1148-1158.	7.8	41
159	Gelation of waxy crude oils by ultrasonic and dynamic mechanical analysis. Rheologica Acta, 2007, 46, 601-609.	2.4	43
160	Free form fabrication of silica moulds for aluminium casting by stereolithography. Rapid Prototyping Journal, 2006, 12, 184-188.	3.2	37
161	Temperature evolution during stereolithography building with a commercial epoxy resin. Polymer Engineering and Science, 2006, 46, 493-502.	3.1	29
162	Viscoelastic and thermal characterization of crosslinked PVC. European Polymer Journal, 2006, 42, 961-969.	5.4	34

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163	Ultrasonic investigation of wheat starch retrogradation. Journal of Food Engineering, 2006, 75, 258-266.	5.2	28
164	Preformed microspherical inclusions for rheological control and physical property modification of epoxy resins. Journal of Applied Polymer Science, 2006, 100, 748-757.	2.6	3
165	A cellulose-based hydrogel as a potential bulking agent for hypocaloric diets: Anin vitro biocompatibility study on rat intestine. Journal of Applied Polymer Science, 2006, 102, 1524-1530.	2.6	51
166	Synthesis and characterization of macroporous poly(ethylene glycol)-based hydrogels for tissue engineering application. Journal of Biomedical Materials Research - Part A, 2006, 79A, 229-236.	4.0	41
167	Recycling of PP-based Sandwich Panels with Continuous Fiber Composite Skins. Journal of Thermoplastic Composite Materials, 2006, 19, 731-745.	4.2	21
168	Laser stereolithography of ZrO2 toughened Al2O3. Journal of the European Ceramic Society, 2005, 25, 1581-1589.	5.7	76
169	Monitoring the drying process of lasagna pasta through a novel sensing device-based method. Journal of Food Engineering, 2005, 69, 51-59.	5.2	14
170	Development of polymeric foams from recycled polyethylene and recycled gypsum. Polymer Degradation and Stability, 2005, 90, 256-263.	5.8	26
171	Ultrasonic monitoring of the network formation in superabsorbent cellulose based hydrogels. Polymer, 2005, 46, 1796-1803.	3.8	65
172	Timeâ€“temperature and time-irradiation intensity superposition for photopolymerization of an epoxy based resin. Polymer, 2005, 46, 8018-8027.	3.8	23
173	Crosslinking of cellulose derivatives and hyaluronic acid with water-soluble carbodiimide. Polymer, 2005, 46, 11206-11212.	3.8	128
174	Simultaneous gravimetric and calorimetric analysis of chloroform sorption in nanoporous semicrystalline sPS. Journal of Applied Polymer Science, 2005, 96, 1675-1681.	2.6	1
175	Polymeric meshes for internal sutures with differentiated adhesion on the two sides. Journal of Materials Science: Materials in Medicine, 2005, 16, 289-296.	3.6	10
176	Silica moulds built by stereolithography. Journal of Materials Science, 2005, 40, 4899-4904.	3.7	50
177	Relaxations during the postcure of unsaturated polyester networks by ultrasonic wave propagation, dynamic mechanical analysis, and dielectric analysis. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 596-602.	2.1	33
178	The Retrogradation of Concentrated Wheat Starch Systems. Starch/Staerke, 2005, 57, 16-24.	2.1	44
179	Ultrasonic Dynamic Mechanical Analysis of Polymers. Applied Rheology, 2005, 15, 326-335.	5.2	45
180	Phase transformations during the cure of unsaturated polyester resins. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 284-287.	5.6	32

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181	Porous Garnet Coatings Tailoring the Emissivity of Thermostructural Materials. Journal of Sol-Gel Science and Technology, 2004, 32, 247-251.	2.4	15
182	Processing-properties relationship of sandwich panels with polypropylene-core and polypropylene-matrix composite skins. Polymer Composites, 2004, 25, 307-318.	4.6	32
183	Powder-shape analysis and sintering behavior of high-density polyethylene powders for rotational molding. Journal of Applied Polymer Science, 2004, 92, 449-460.	2.6	45
184	Photopolymerization kinetics of an epoxy-based resin for stereolithography. Journal of Applied Polymer Science, 2004, 92, 3484-3491.	2.6	69
185	Kinetic Studies of Liquid Crystalline and Isotropic Vinyl Ester Resins. Macromolecular Chemistry and Physics, 2004, 205, 2175-2184.	2.2	5
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