

Alfonso Maffezzoli

List of Publications by Year in descending order

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Version: 2024-02-01

229
papers

8,643
citations

44444
50
h-index

71088
80
g-index

233
all docs

233
docs citations

233
times ranked

9377
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Shear buckling of aerospace panels made by induction welded thermoplastic matrix composite elements. <i>Polymer Composites</i> , 2022, 43, 4544-4555. | 2.3 | 8 |
| 2 | Autofluorescence of Model Polyethylene Terephthalate Nanoplastics for Cell Interaction Studies. <i>Nanomaterials</i> , 2022, 12, 1560. | 1.9 | 13 |
| 3 | Development and characterization of innovative carbon-based waste ashes/epoxy composites. <i>Materials Today: Proceedings</i> , 2021, 34, 133-139. | 0.9 | 2 |
| 4 | Active SHM for composite pipes using piezoelectric sensors. <i>Materials Today: Proceedings</i> , 2021, 34, 1-9. | 0.9 | 8 |
| 5 | Correlation between elastic properties and morphology in short fiber composites by X-ray computed micro-tomography. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 140, 106169. | 3.8 | 22 |
| 6 | Stress relaxation in asymmetric bistable composites: Experiments and simulations. <i>Materials Today: Proceedings</i> , 2021, 34, 10-15. | 0.9 | 2 |
| 7 | Time-dependent shape of bistable unsymmetric carbon fibers-epoxy thin laminates. <i>Smart Materials and Structures</i> , 2021, 30, 035004. | 1.8 | 3 |
| 8 | Production and Characterization of Polyethylene Terephthalate Nanoparticles. <i>Polymers</i> , 2021, 13, 3745. | 2.0 | 20 |
| 9 | Editorial: Advanced Thermoplastic Composites and Manufacturing Processes. <i>Frontiers in Materials</i> , 2020, 7, . | 1.2 | 4 |
| 10 | 3D Printing of Polymer Waste for Improving People's Awareness about Marine Litter. <i>Polymers</i> , 2020, 12, 1738. | 2.0 | 25 |
| 11 | Experimental and Numerical Study of Vacuum Resin Infusion of Stiffened Carbon Fiber Reinforced Panels. <i>Materials</i> , 2020, 13, 4800. | 1.3 | 27 |
| 12 | Deep Control of Linear Oligomerization of Glycerol Using Lanthanum Catalyst on Mesoporous Silica Gel. <i>Catalysts</i> , 2020, 10, 1170. | 1.6 | 7 |
| 13 | Buckling Behavior of Poly-Phenylene-Sulfide/Carbon L-Shaped Stringers and a Stiffened Panel Obtained by Induction Welding. <i>Frontiers in Materials</i> , 2020, 7, . | 1.2 | 3 |
| 14 | Compression behavior of soft PVC foams obtained by cardanol-derived plasticizer. <i>Journal of Cellular Plastics</i> , 2020, 56, 515-530. | 1.2 | 4 |
| 15 | Out-Of-Plane Permeability Evaluation of Carbon Fiber Preforms by Ultrasonic Wave Propagation. <i>Materials</i> , 2020, 13, 2684. | 1.3 | 7 |
| 16 | Highly loaded hydroxyapatite microsphere/ PLA porous scaffolds obtained by fused deposition modelling. <i>Ceramics International</i> , 2019, 45, 2803-2810. | 2.3 | 173 |
| 17 | Reversible techniques for FRP-confinement of masonry columns. <i>Construction and Building Materials</i> , 2019, 225, 415-428. | 3.2 | 46 |
| 18 | A Study on exfoliation of Expanded Graphite Stacks in Candelilla Wax. <i>Materials</i> , 2019, 12, 2530. | 1.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Catalytic Activity of Oxidized Carbon Waste Ashes for the Crosslinking of Epoxy Resins. <i>Polymers</i> , 2019, 11, 1011. | 2.0 | 9 |
| 20 | Processing of Super Tough Plasticized PLA by Rotational Molding. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-8. | 0.8 | 14 |
| 21 | Reliability of Protective Coatings for Flexible Piezoelectric Transducers in Aqueous Environments. <i>Micromachines</i> , 2019, 10, 739. | 1.4 | 25 |
| 22 | Rheological analysis of thermo-responsive alginate/PNIPAAm graft copolymers synthesized by gamma radiation. <i>Radiation Physics and Chemistry</i> , 2019, 156, 38-43. | 1.4 | 9 |
| 23 | Mechanical properties of poly(lactid acid) plasticized by cardanol derivatives. <i>Polymer Degradation and Stability</i> , 2019, 159, 199-204. | 2.7 | 25 |
| 24 | Ultrasonic spot welding of carbon fiber reinforced epoxy composites to aluminum: mechanical and electrochemical characterization. <i>Composites Part B: Engineering</i> , 2018, 144, 134-142. | 5.9 | 94 |
| 25 | Thermal analysis of poly(lactic acid) plasticized by cardanol derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 559-565. | 2.0 | 23 |
| 26 | One-step solvent-free process for the fabrication of high loaded PLA/HA composite filament for 3D printing. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 575-582. | 2.0 | 53 |
| 27 | Use of cardanol derivatives as plasticizers for PVC. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, E62. | 1.8 | 25 |
| 28 | Hybrid welding of carbon-fiber reinforced epoxy based composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 104, 32-40. | 3.8 | 64 |
| 29 | Antimicrobial modified hydroxyapatite composite dental bite by stereolithography. <i>Polymers for Advanced Technologies</i> , 2018, 29, 364-371. | 1.6 | 56 |
| 30 | Relaxation of residual stresses during curing of polymer matrix composites. <i>AIP Conference Proceedings</i> , 2018, , . | 0.3 | 0 |
| 31 | Lay-Up and Consolidation of a Composite Pipe by In Situ Ultrasonic Welding of a Thermoplastic Matrix Composite Tape. <i>Materials</i> , 2018, 11, 786. | 1.3 | 31 |
| 32 | Effects of Blank Quality on Press-Formed PEKK/Carbon Composite Parts. <i>Materials</i> , 2018, 11, 1063. | 1.3 | 26 |
| 33 | Mechanical characterization of bistable laminates for very small aircraft morphing applications. , 2018, , . | | 1 |
| 34 | Curing and viscoelasticity of vitrimers. <i>Soft Matter</i> , 2017, 13, 258-268. | 1.2 | 82 |
| 35 | Mechanical behavior of fibers and films based on PP/Quartz composites. <i>Polymer Composites</i> , 2017, 38, 1631-1639. | 2.3 | 0 |
| 36 | Rotational Molding of Poly(lactic acid): Effect of Polymer Grade and Granulometry. <i>Advances in Polymer Technology</i> , 2017, 36, 477-482. | 0.8 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | A mathematical modeling approach to optimize composite parts placement in autoclave. <i>International Transactions in Operational Research</i> , 2017, 24, 115-141. | 1.8 | 8 |
| 38 | 3D printing of hydroxyapatite polymer-based composites for bone tissue engineering. <i>Journal of Polymer Engineering</i> , 2017, 37, 741-746. | 0.6 | 65 |
| 39 | Finite element modeling of continuous induction welding of thermoplastic matrix composites. <i>Materials and Design</i> , 2017, 120, 212-221. | 3.3 | 55 |
| 40 | Hybrid ultrasonic spot welding of aluminum to carbon fiber reinforced epoxy composites. <i>Journal of Materials Processing Technology</i> , 2017, 247, 289-295. | 3.1 | 98 |
| 41 | The feasibility of printing polylactic acid-nanohydroxyapatite composites using a low-cost fused deposition modeling 3D printer. <i>Journal of Applied Polymer Science</i> , 2017, 134, . | 1.3 | 81 |
| 42 | PolyDiethyleneglycol-bisallyl carbonate matrix transparent nanocomposites reinforced with bacterial cellulose microfibrils. <i>European Polymer Journal</i> , 2017, 93, 192-199. | 2.6 | 17 |
| 43 | Adhesive joints with improved mechanical properties for aerospace applications. <i>International Journal of Adhesion and Adhesives</i> , 2017, 75, 174-180. | 1.4 | 55 |
| 44 | Resin pressure evolution during autoclave curing of epoxy matrix composites. <i>Polymer Engineering and Science</i> , 2017, 57, 631-637. | 1.5 | 7 |
| 45 | Diffusion in oriented lamellar nanocomposite: Numerical analysis of the effects of dispersion and intercalation. <i>Computational Materials Science</i> , 2017, 133, 45-51. | 1.4 | 8 |
| 46 | Effect of binder powders added to carbon fiber reinforcements on the chemoreology of an epoxy resin for composites. <i>Composites Part B: Engineering</i> , 2017, 112, 243-250. | 5.9 | 30 |
| 47 | UV and thermal stability of soft PVC plasticized with cardanol derivatives. <i>Journal of Cleaner Production</i> , 2017, 164, 757-764. | 4.6 | 31 |
| 48 | Mechanical and durability properties of soft PVC plasticized by cardanol derivatives. <i>AIP Conference Proceedings</i> , 2017, , . | 0.3 | 4 |
| 49 | Synthesis, Curing, and Properties of an Epoxy Resin Derived from Gallic Acid. <i>BioResources</i> , 2017, 13, . | 0.5 | 15 |
| 50 | Catalytic Activity of Oxidized Carbon Black and Graphene Oxide for the Crosslinking of Epoxy Resins. <i>Polymers</i> , 2017, 9, 133. | 2.0 | 11 |
| 51 | Rotational moulding of poly-lactic acid. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 3 |
| 52 | Resin flow and void formation in an autoclave cure cycle. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 1 |
| 53 | Nanostructured active chitosan-based films for food packaging applications: Effect of graphene stacks on mechanical properties. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 90, 418-423. | 2.5 | 58 |
| 54 | A Measure of CNTs Dispersion in Polymers With Branched Molecular Architectures by UDMA. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 731-737. | 1.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Development of hybrid cotton/hydrogel yarns with improved absorption properties for biomedical applications. <i>Materials Science and Engineering C</i> , 2016, 63, 563-569. | 3.8 | 13 |
| 56 | Epoxy Resin Catalyzed by Graphite-Based Nanofillers. <i>International Polymer Processing</i> , 2016, 31, 548-553. | 0.3 | 2 |
| 57 | Smoldering and Flame Resistant Textiles via Conformal Barrier Formation. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600617. | 1.9 | 6 |
| 58 | Effect of the epoxidation yield of a cardanol derivative on the plasticization and durability of soft PVC. <i>Polymer Degradation and Stability</i> , 2016, 134, 220-226. | 2.7 | 37 |
| 59 | Orientation of Graphene Nanoplatelets in Thermosetting Matrices. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 877-883. | 1.1 | 6 |
| 60 | Effect of multi-scale diffusion on the permeability behavior of intercalated nanocomposites. <i>Journal of Membrane Science</i> , 2016, 505, 92-99. | 4.1 | 13 |
| 61 | Finite element simulation and analytical modeling of 3D multi scale diffusion in nanocomposites with permeable stacks. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2016, 24, 015003. | 0.8 | 8 |
| 62 | Cardanol derivatives as innovative bio-plasticizers for poly-(lactic acid). <i>Polymer Degradation and Stability</i> , 2016, 132, 213-219. | 2.7 | 32 |
| 63 | Graphene oxide as a catalyst for ring opening reactions in amine crosslinking of epoxy resins. <i>RSC Advances</i> , 2016, 6, 23858-23865. | 1.7 | 58 |
| 64 | Modeling of continuous ultrasonic impregnation and consolidation of thermoplastic matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 82, 119-129. | 3.8 | 48 |
| 65 | SOLUBILITY AND DURABILITY OF CARDANOL DERIVED PLASTICIZERS FOR SOFT PVC. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 1989-1995. | 0.2 | 6 |
| 66 | Cure reaction of epoxy resins catalyzed by graphite-based nanofiller. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 2 |
| 67 | Solubility and durability of cardanol derived plasticizers for soft PVC. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 1 |
| 68 | Analysis of the Suitability of Poly(lactic acid) in Rotational Molding Process. <i>Advances in Polymer Technology</i> , 2015, 34, . | 0.8 | 18 |
| 69 | Rotational molding of biodegradable composites obtained with <scp>PLA</scp> reinforced by the wooden backbone of opuntia ficus indica cladodes. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 28 |
| 70 | Processing and characterization of amorphous polyethylene terephthalate fibers for the alignment of carbon nanofillers in thermosetting resins. <i>Polymer Composites</i> , 2015, 36, 1096-1103. | 2.3 | 26 |
| 71 | Ultrasonic Assisted Consolidation of Commingled Thermoplastic/Glass Fiber Rovings. <i>Frontiers in Materials</i> , 2015, 2, . | 1.2 | 14 |
| 72 | Using Ultrasound Wave Propagation to Estimate the Dispersion of Nanostructures in Polymers with Complex Molecular Architectures. , 2015, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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. | 1.5 | 10 |
| 77 | Structural behaviour modelling of bolted joints in composite laminates subjected to cyclic loading. Aerospace Science and Technology, 2015, 43, 89-95. | 2.5 | 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. | 5.2 | 128 |
| 79 | Fabrication of a thermoplastic matrix composite stiffened panel by induction welding. Aerospace Science and Technology, 2015, 43, 314-320. | 2.5 | 59 |
| 80 | A Perspective on the Prowaste Concept: Efficient Utilization of Plastic Waste through Product Design and Process Innovation. Materials, 2014, 7, 5385-5402. | 1.3 | 3 |
| 81 | Carbon nanotube alignment in a thermosetting resin. AIP Conference Proceedings, 2014, , . | 0.3 | 3 |
| 82 | Experimental measurement of transversal micro and macro permeability during compression molding of PP/Glass composites. Polymer Composites, 2014, 35, 105-112. | 2.3 | 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. | 0.7 | 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. | 0.5 | 2 |
| 85 | Selective reinforcement of LLDPE components produced by rotational molding with thermoplastic matrix pultruded profiles. Composites Part B: Engineering, 2014, 56, 157-162. | 5.9 | 22 |
| 86 | A methodology to orient carbon nanotubes in a thermosetting matrix. Composites Science and Technology, 2014, 96, 47-55. | 3.8 | 32 |
| 87 | Mechanical properties of basalt fibers and their adhesion to polypropylene matrices. Composites Part B: Engineering, 2014, 67, 233-238. | 5.9 | 80 |
| 88 | Catalytic activity of graphite-based nanofillers on cure reaction of epoxy resins. Polymer, 2014, 55, 5612-5615. | 1.8 | 56 |
| 89 | Development and characterization of UV curable epoxy/hydroxyapatite suspensions for stereolithography applied to bone tissue engineering. Ceramics International, 2014, 40, 15455-15462. | 2.3 | 88 |
| 90 | Sintering of PLLA powders for rotational molding. Thermochimica Acta, 2014, 582, 59-67. | 1.2 | 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, , . | 0.3 | 4 |
| 93 | Processing and Properties of a Polymer/Composite Double-Layer Laminate. Advances in Polymer Technology, 2013, 32, E32-E43. | 0.8 | 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. | 2.4 | 32 |
| 95 | Antibacterial natural leather for application in the public transport system. Journal of Coatings Technology Research, 2013, 10, 239-245. | 1.2 | 29 |
| 96 | Transport properties of graphite/epoxy composites: Thermal, Permeability and dielectric characterization. Polymer Testing, 2013, 32, 880-888. | 2.3 | 64 |
| 97 | Thermal and chemical treatments of recycled carbon fibres for improved adhesion to polymeric matrix. Journal of Composite Materials, 2013, 47, 369-377. | 1.2 | 52 |
| 98 | Optimization of Parts Placement in Autoclave Processing of Composites. Applied Composite Materials, 2013, 20, 233-248. | 1.3 | 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. | 0.7 | 3 |
| 100 | Two-dimensional and three-dimensional simulation of diffusion in nanocomposite with arbitrarily oriented lamellae. Journal of Membrane Science, 2013, 442, 238-244. | 4.1 | 22 |
| 101 | Micro- and macro-impregnation of fabrics using thermoplastic matrices. Journal of Thermoplastic Composite Materials, 2013, 26, 527-543. | 2.6 | 10 |
| 102 | The aspect ratio of epoxy matrix nanocomposites reinforced with graphene stacks. Polymer Engineering and Science, 2013, 53, 531-539. | 1.5 | 72 |
| 103 | An Overview of Progress and Current Challenges in Ultrasonic Treatment of Polymer Melts. Advances in Polymer Technology, 2013, 32, . | 0.8 | 39 |
| 104 | Monitoring the Cure State of Thermosetting Resins by Ultrasound. Materials, 2013, 6, 3783-3804. | 1.3 | 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. | 1.2 | 178 |
| 107 | Monitoring Wood Degradation during Weathering by Cellulose Crystallinity. Materials, 2012, 5, 1910-1922. | 1.3 | 212 |
| 108 | Development and Characterization of Amorphous Thermoplastic Matrix Graphene Nanocomposites. Materials, 2012, 5, 1972-1985. | 1.3 | 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. | 2.0 | 19 |
| 111 | Effect of the addition of organically modified nanofiller on the relaxation behavior of a thermoplastic amorphous matrix. Thermochemica Acta, 2012, 543, 226-231. | 1.2 | 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. | 3.3 | 20 |
| 114 | Low-velocity impact response in composite plates embedding shape memory alloy wires. Polymer Composites, 2012, 33, 655-664. | 2.3 | 23 |
| 115 | Silver-coated wool yarns with durable antibacterial properties. Journal of Applied Polymer Science, 2012, 125, 2239-2244. | 1.3 | 36 |
| 116 | Hepatic Vessel Segmentation for 3D Planning of Liver Surgery. Academic Radiology, 2011, 18, 461-470. | 1.3 | 57 |
| 117 | Antibacterial coatings on haemodialysis catheters by photochemical deposition of silver nanoparticles. Journal of Materials Science: Materials in Medicine, 2011, 22, 2005-2012. | 1.7 | 100 |
| 118 | Effects of diffusion of a naturally-derived plasticizer from soft PVC. Polymer Degradation and Stability, 2011, 96, 784-789. | 2.7 | 59 |
| 119 | Assessment of the relevance of sintering in thermoplastic commingled yarn consolidation. Polymer Composites, 2011, 32, 657-664. | 2.3 | 14 |
| 120 | Evaluation of the degree of dispersion of nanofillers by mechanical, rheological, and permeability analysis. Polymer Engineering and Science, 2011, 51, 1280-1285. | 1.5 | 46 |
| 121 | On-line Consolidation of Commingled Polypropylene/Glass Roving During Filament Winding. Journal of Thermoplastic Composite Materials, 2011, 24, 789-804. | 2.6 | 9 |
| 122 | Ultrasonic transducers for cure monitoring: design, modelling and validation. Measurement Science and Technology, 2011, 22, 124002. | 1.4 | 10 |
| 123 | Numerical simulation of the microscale impregnation in commingled thermoplastic composite yarns. Advances in Polymer Technology, 2010, 29, 122-130. | 0.8 | 7 |
| 124 | Preface to the special issue: Thermoplastic composite materials. Advances in Polymer Technology, 2010, 29, 69-69. | 0.8 | 0 |
| 125 | Processing, mechanical properties, and interfacial bonding of a thermoplastic core-foam/composite-skin sandwich panel. Advances in Polymer Technology, 2010, 29, 137-145. | 0.8 | 8 |
| 126 | Development and characterization of cellulose-based hydrogels for use as dietary bulking agents. Journal of Applied Polymer Science, 2010, 115, 1438-1444. | 1.3 | 39 |

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|-----|--|-----|-----------|
| 127 | Analysis of the structure and mass transport properties of clay nanocomposites based on amorphous PET. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3666-3672. | 1.3 | 39 |
| 128 | Plasticizer for poly(vinyl chloride) from cardanol as a renewable resource material. <i>Polymer Degradation and Stability</i> , 2010, 95, 2169-2174. | 2.7 | 150 |
| 129 | Nanofilled polyols for viscoelastic polyurethane foams. <i>Polymer International</i> , 2010, 59, 486-491. | 1.6 | 35 |
| 130 | Cardanol Based Matrix for Jute Reinforced Pipes. <i>Macromolecular Symposia</i> , 2010, 296, 526-530. | 0.4 | 10 |
| 131 | Collagen- and gelatine-based films sealing vascular prostheses: evaluation of the degree of crosslinking for optimal blood impermeability. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1979-1989. | 1.7 | 37 |
| 132 | Characterization of antibacterial silver coated yarns. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2361-2366. | 1.7 | 110 |
| 133 | Embedding of Superelastic SMA Wires into Composite Structures: Evaluation of Impact Properties. <i>Journal of Materials Engineering and Performance</i> , 2009, 18, 522-530. | 1.2 | 35 |
| 134 | Mechanical and Vibration Characteristics of Laminated Composite Plates Embedding Shape Memory Alloy Superelastic Wires. <i>Journal of Materials Engineering and Performance</i> , 2009, 18, 531-537. | 1.2 | 27 |
| 135 | Analysis of the structure and mass transport properties of nanocomposite polyurethane. <i>Polymer Engineering and Science</i> , 2009, 49, 1708-1718. | 1.5 | 36 |
| 136 | Synthesis and characterization of optically transparent epoxy matrix nanocomposites. <i>Materials Science and Engineering C</i> , 2009, 29, 1798-1802. | 3.8 | 20 |
| 137 | Class transition in thermosetting clay-nanocomposite polyurethanes. <i>Thermochimica Acta</i> , 2009, 485, 43-48. | 1.2 | 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). <i>Thermochimica Acta</i> , 2009, 493, 61-67. | 1.2 | 28 |
| 139 | Use of steel fibres recovered from waste tyres as reinforcement in concrete: Pull-out behaviour, compressive and flexural strength. <i>Waste Management</i> , 2009, 29, 1960-1970. | 3.7 | 191 |
| 140 | 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. | 2.3 | 45 |
| 141 | Effect of a Nanodispersed Clay Fillers on Glass Transition of Thermosetting Polyurethane. <i>Macromolecular Symposia</i> , 2009, 286, 180-186. | 0.4 | 5 |
| 142 | Hydrogel based tissue mimicking phantom for <i>in vitro</i> ultrasound contrast agents studies. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 338-345. | 1.6 | 42 |
| 143 | Nonsupercritical synthesis of microporous gels. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2563-2568. | 1.3 | 0 |
| 144 | Novel superabsorbent cellulose-based hydrogels crosslinked with citric acid. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2453-2460. | 1.3 | 386 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Efficient utilization of plastic waste through product design and process adaptation: A case study on stiffness enhancement of beams produced from plastic lumber. <i>Advances in Polymer Technology</i> , 2008, 27, 133-142. | 0.8 | 4 |
| 146 | Correction of melting peaks of different PE grades accounting for heat transfer in DSC samples. <i>Polymer Testing</i> , 2008, 27, 61-74. | 2.3 | 24 |
| 147 | Spring-in angle as molding distortion for thermoplastic matrix composite. <i>Composites Science and Technology</i> , 2008, 68, 3047-3054. | 3.8 | 36 |
| 148 | Photo " DSC and real time " FT-IR kinetic study of a UV curable epoxy resin containing o-Boehmites. <i>European Polymer Journal</i> , 2008, 44, 2010-2023. | 2.6 | 56 |
| 149 | Synthesis and characterization of clay-nanocomposite solvent-based polyurethane adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2008, 28, 91-100. | 1.4 | 69 |
| 150 | CLAY-NANOCOMPOSITES POLYURETHANE ADHESIVES : ANALYSIS OF THE RIGID AMORPHOUS FRACTION. AIP Conference Proceedings, 2008, , . | 0.3 | 0 |
| 151 | Polymer characterization by ultrasonic wave propagation. <i>Advances in Polymer Technology</i> , 2008, 27, 63-73. | 0.8 | 73 |
| 152 | Acrylic-based hydrogel phantom for in vitro ultrasound contrast agent characterization. <i>Virtual and Physical Prototyping</i> , 2007, 2, 191-196. | 5.3 | 3 |
| 153 | Air-Coupled Ultrasonic Cure Monitoring of Unsaturated Polyester Resins. <i>Macromolecular Symposia</i> , 2007, 247, 50-58. | 0.4 | 11 |
| 154 | Air-Coupled Ultrasound: A Novel Technique for Monitoring the Curing of Thermosetting Matrices. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007, 54, 1437-1444. | 1.7 | 26 |
| 155 | Synthesis of a novel cardanol-based benzoxazine monomer and environmentally sustainable production of polymers and bio-composites. <i>Green Chemistry</i> , 2007, 9, 754. | 4.6 | 254 |
| 156 | Spin coating cellulose derivatives on quartz crystal microbalance plates to obtain hydrogel-based fast sensors and actuators. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3040-3050. | 1.3 | 29 |
| 157 | A preliminary study on bladder-assisted rotomolding of thermoplastic polymer composites. <i>Advances in Polymer Technology</i> , 2007, 26, 21-32. | 0.8 | 20 |
| 158 | Flexural creep behaviour of PP matrix woven composite. <i>Composites Science and Technology</i> , 2007, 67, 1148-1158. | 3.8 | 41 |
| 159 | Gelation of waxy crude oils by ultrasonic and dynamic mechanical analysis. <i>Rheologica Acta</i> , 2007, 46, 601-609. | 1.1 | 43 |
| 160 | Free form fabrication of silica moulds for aluminium casting by stereolithography. <i>Rapid Prototyping Journal</i> , 2006, 12, 184-188. | 1.6 | 37 |
| 161 | Temperature evolution during stereolithography building with a commercial epoxy resin. <i>Polymer Engineering and Science</i> , 2006, 46, 493-502. | 1.5 | 29 |
| 162 | Viscoelastic and thermal characterization of crosslinked PVC. <i>European Polymer Journal</i> , 2006, 42, 961-969. | 2.6 | 34 |

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