

# Massimo Messori

## List of Publications by Year in descending order

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163  
papers

4,548  
citations

101543

36  
h-index

149698

56  
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164  
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164  
docs citations

164  
times ranked

5041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scratch resistance of nano-silica reinforced acrylic coatings. <i>Progress in Organic Coatings</i> , 2008, 62, 129-133.	3.9	147
2	Two-way reversible shape memory behaviour of crosslinked poly( $\epsilon$ -caprolactone). <i>Polymer</i> , 2012, 53, 1915-1924.	3.8	146
3	Facile preparation of superhydrophobic coatings by sol-gel processes. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 149-156.	9.4	126
4	Development of solvent-casting particulate leaching (SCPL) polymer scaffolds as improved three-dimensional supports to mimic the bone marrow niche. <i>Materials Science and Engineering C</i> , 2019, 96, 153-165.	7.3	111
5	3D printing processes for photocurable polymeric materials: technologies, materials, and future trends. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2018, 16, 151-160.	1.6	108
6	One-way and two-way shape memory behaviour of semi-crystalline networks based on sol-gel cross-linked poly( $\epsilon$ -caprolactone). <i>Polymer</i> , 2013, 54, 4253-4265.	3.8	103
7	Flame retarding poly(methyl methacrylate) with nanostructured organic-inorganic hybrids coatings. <i>Polymer</i> , 2003, 44, 4463-4470.	3.8	97
8	Prevention of plasticizer leaching from PVC medical devices by using organic-inorganic hybrid coatings. <i>Polymer</i> , 2004, 45, 805-813.	3.8	94
9	Porous scaffolds of polycaprolactone reinforced with in situ generated hydroxyapatite for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 343-351.	3.6	93
10	Perfluoropolyether-based organic-inorganic hybrid coatings. <i>Polymer</i> , 2006, 47, 1055-1062.	3.8	90
11	Epoxy-silica nanocomposites: Preparation, experimental characterization, and modeling. <i>Journal of Applied Polymer Science</i> , 2005, 97, 2382-2386.	2.6	86
12	Scratch Resistance Enhancement of Polymer Coatings. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 603-612.	3.6	78
13	Improving Epoxy Adhesives with Zirconia Nanoparticles. <i>Composite Interfaces</i> , 2010, 17, 873-892.	2.3	70
14	Increased production of bacterial cellulose as starting point for scaled-up applications. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 8115-8127.	3.6	69
15	PMMA-titania nanocomposites: Properties and thermal degradation behaviour. <i>Polymer Degradation and Stability</i> , 2012, 97, 1325-1333.	5.8	65
16	Scratch resistant tough nanocomposite epoxy coatings based on hyperbranched polyesters. <i>Polymer</i> , 2009, 50, 5647-5652.	3.8	63
17	Organic-Inorganic Hybrid Coatings for the Modification of Barrier Properties of Poly(lactic acid) Films for Food Packaging Applications. <i>Journal of Polymers and the Environment</i> , 2009, 17, 10-19.	5.0	61
18	Unsaturated polyester resins modified with poly( $\epsilon$ -caprolactone)-perfluoropolyethers block copolymers. <i>Polymer</i> , 2001, 42, 09877-09885.	3.8	60

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19	Reaction Pathway in Vapor Phase Hydrogenation of Maleic Anhydride and Its Esters to $\gamma$ -Butyrolactone. <i>Journal of Catalysis</i> , 1994, 150, 177-185.	6.2	59
20	Poly( $\epsilon$ -caprolactone)-poly(fluoroalkylene oxide)-poly( $\epsilon$ -caprolactone) block copolymers. 2. Thermal and surface properties. <i>Polymer</i> , 2001, 42, 1771-1779.	3.8	59
21	Preparation of scratch resistant superhydrophobic hybrid coatings by sol-gel process. <i>Progress in Organic Coatings</i> , 2014, 77, 1635-1641.	3.9	55
22	Photo-cured epoxy networks reinforced with TiO <sub>2</sub> in-situ generated by means of non-hydrolytic sol-gel process. <i>Polymer</i> , 2012, 53, 283-290.	3.8	53
23	Sol-gel derived hybrid coatings for the improvement of scratch resistance of polyethylene. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 73-83.	2.4	51
24	Special Resins for Stereolithography: In Situ Generation of Silver Nanoparticles. <i>Polymers</i> , 2018, 10, 212.	4.5	49
25	UV Curing of Organic-Inorganic Hybrid Coatings Containing Polyhedral Oligomeric Silsesquioxane Blocks. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 700-707.	3.6	47
26	Nanocomposites based on poly(L-lactide)/poly( $\epsilon$ -caprolactone) block copolymers. <i>Journal of Applied Polymer Science</i> , 2017, 121, 477-487.	7.8	47
26	Effect of the incorporation of graphene nanoplatelets (GNPs). <i>Composites Science and Technology</i> , 2017, 151, 219-227.		
27	On specific factors affecting the crystallization of PET: the role of carboxyl terminal groups and residual catalysts on the crystallization rate. <i>Polymer</i> , 1997, 38, 4469-4476.	3.8	46
28	Surface Modification of Polymers. , 2017, , 109-130.		46
29	High-density polyethylene reinforced with submicron titania particles. <i>Polymer Engineering and Science</i> , 2008, 48, 448-457.	3.1	45
30	Surface properties of fluorinated hybrid coatings. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1483-1488.	2.6	44
31	Reinforcement of EPDM rubber with in situ generated silica particles in the presence of a coupling agent via a sol-gel route. <i>Polymer Testing</i> , 2014, 33, 97-106.	4.8	44
32	Thermo-mechanical properties and creep modelling of wine lees filled Polyamide 11 (PA11) and Polybutylene succinate (PBS) bio-composites. <i>Composites Science and Technology</i> , 2020, 188, 107974.	7.8	44
33	3D-Printing Nanocellulose-Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Biodegradable Composites by Fused Deposition Modeling. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10292-10302.	6.7	43
34	Acrylate-based silver nanocomposite by simultaneous polymerization-reduction approach via 3D stereolithography. <i>Composites Communications</i> , 2017, 6, 11-16.	6.3	41
35	Poly( $\epsilon$ -caprolactone)-Poly(fluoroalkylene oxide)-Poly( $\epsilon$ -caprolactone) Block Copolymers. 1. Synthesis and Molecular Characterization. <i>Macromolecules</i> , 1999, 32, 6969-6976.	4.8	40
36	Mechanical performance of epoxy coated AR-glass fabric Textile Reinforced Mortar: Influence of coating thickness and formulation. <i>Composites Part B: Engineering</i> , 2018, 149, 135-143.	12.0	40

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37	Shape memory nanocomposite of poly(L-lactic acid)/graphene nanoplatelets triggered by infrared light and thermal heating. EXPRESS Polymer Letters, 2016, 10, 349-359.	2.1	39
38	Comparison between titanium tetrabutoxide and a new commercial titanium dioxide based catalyst used for the synthesis of poly(ethylene terephthalate). Journal of Applied Polymer Science, 2004, 92, 1887-1892.	2.6	38
39	New catalysts for poly(butylene terephthalate) synthesis. Polymer, 2001, 42, 7511-7516.	3.8	37
40	Shape-memory polymer networks from sol-gel cross-linked alkoxy silane-terminated poly( $\mu$ -caprolactone). Journal of Materials Science, 2012, 47, 4354-4362.	3.7	37
41	Chemical and thermomechanical tailoring of the shape memory effect in poly( $\mu$ -caprolactone)-based systems. Journal of Materials Science, 2013, 48, 424-440.	3.7	36
42	Improving the creep stability of high-density polyethylene with acicular titania nanoparticles. Journal of Applied Polymer Science, 2009, 112, 1045-1055.	2.6	35
43	Improvement of the surface properties of polycarbonate by organic-inorganic hybrid coatings. Journal of Applied Polymer Science, 2008, 108, 1426-1436.	2.6	34
44	Surface chemical analysis of poly( $\epsilon$ -caprolactone)-perfluoropolyether-poly( $\epsilon$ -caprolactone) triblock copolymers by X-ray photoelectron spectroscopy. Polymer International, 2003, 52, 1262-1274.	3.1	32
45	Cohesive and adhesive properties of polycaprolactone/silica hybrid coatings on poly(methyl methacrylate). Journal of Applied Polymer Science, 2010, 116, 1078-1087.	1.0784314	32
46	Effect of high temperature exposure on epoxy-coated glass textile reinforced mortar (GTRM) composites. Construction and Building Materials, 2019, 212, 765-774.	7.2	32
47	Effect of the wine lees wastes as cost-effective and natural fillers on the thermal and mechanical properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBH) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV). Journal of Applied Polymer Science, 2020, 137, 48869.	2.6	32
48	Poly(methyl methacrylate)-TiO <sub>2</sub> nanocomposite obtained by non-hydrolytic sol-gel synthesis. Journal of Materials Science, 2011, 46, 6609-6617.	3.7	31
49	Multifunctional antistatic and scratch resistant UV-cured acrylic coatings. Progress in Organic Coatings, 2013, 76, 1191-1196.	3.9	31
50	Novel epoxy-silica hybrid coatings by using ethoxysilyl-modified hyperbranched poly(ethyleneimine) with improved scratch resistance. Polymer, 2014, 55, 5028-5035.	3.8	31
51	Synthesis and characterization of scratch-resistant hybrid coatings based on non-hydrolytic sol-gel ZrO <sub>2</sub> nanoparticles. Progress in Organic Coatings, 2017, 103, 60-68.	3.9	31
52	Hydrophobic and oleophobic coatings based on perfluoropolyether/silica hybrids by the sol-gel method. Advances in Polymer Technology, 2007, 26, 182-190.	1.7	30
53	Design of surface properties of PET films: Effect of fluorinated block copolymers. Journal of Colloid and Interface Science, 2007, 315, 210-222.	9.4	29
54	Rational design and characterization of bioplastics from <i>Hermetia illucens</i> prepupae proteins. Biopolymers, 2019, 110, e23250.	2.4	29

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55	Thermoplastic Disks Used for Commercial Orthodontic Aligners: Complete Physicochemical and Mechanical Characterization. <i>Materials</i> , 2020, 13, 2386.	2.9	29
56	Advantages of Additive Manufacturing for Biomedical Applications of Polyhydroxyalkanoates. <i>Bioengineering</i> , 2021, 8, 29.	3.5	29
57	Polycarbonate reinforced with silica nanoparticles. <i>Polymer Bulletin</i> , 2011, 66, 991-1004.	3.3	28
58	Thermal and UV aging of polypropylene stabilized by wine seeds wastes and their extracts. <i>Polymer Degradation and Stability</i> , 2019, 165, 49-59.	5.8	28
59	A one-dimensional phenomenological model for the two-way shape-memory effect in semi-crystalline networks. <i>Polymer</i> , 2018, 158, 130-148.	3.8	27
60	Modification of isoprene rubber by <i>in situ</i> silica generation. <i>Polymer International</i> , 2009, 58, 880-887.	3.1	26
61	Poly(1,4-cyclohexylenedimethylene-1, 4-cyclohexanedicarboxylate): analysis of parameters affecting polymerization and cis-trans isomerization. <i>Polymer International</i> , 2011, 60, 1607-1613.	3.1	26
62	Poly(methyl methacrylate)-TiO <sub>2</sub> nanocomposites obtained by non-hydrolytic sol-gel synthesis: the innovative tert-butyl alcohol route. <i>Journal of Materials Science</i> , 2012, 47, 7003-7012.	3.7	26
63	The two-way shape memory behaviour of crosslinked poly( $\epsilon$ -caprolactone) systems with largely varied network density. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 1388-1403.	2.5	26
64	Designing epoxy viscosity for optimal mechanical performance of coated Glass Textile Reinforced Mortar (GTRM) composites. <i>Construction and Building Materials</i> , 2020, 233, 117325.	7.2	26
65	Synthesis and characterization of polyhedral oligomeric titanized silsesquioxane: A new biocompatible cage like molecule for biomedical application. <i>Materials Science and Engineering C</i> , 2016, 61, 293-300.	7.3	25
66	Poly(caprolactone)/silica organic-inorganic hybrids as protective coatings for poly(methyl) Tj ETQqO O O rgBT /Overlock 10 Tf 50 307 Td 181-186.	0.3	23
67	Photo-cured Epoxy Networks Functionalized With Fe <sub>3</sub> O <sub>4</sub> Generated by Non-hydrolytic Sol-gel Process. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 508-516.	2.2	23
68	Preparation and characterization of EPDM rubber modified with <i>in situ</i> generated silica. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2525-2532.	2.6	23
69	A comparative study of different winemaking by-products derived additives on oxidation stability, mechanical and thermal proprieties of polypropylene. <i>Polymer Degradation and Stability</i> , 2018, 149, 9-18.	5.8	23
70	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. <i>Emergent Materials</i> , 2019, 2, 141-151.	5.7	23
71	Functionalization and use of grape stalks as poly(butylene succinate) (PBS) reinforcing fillers. <i>Waste Management</i> , 2021, 126, 538-548.	7.4	23
72	New catalysts for poly(butylene terephthalate) synthesis. Part 3: effect of phosphate co-catalysts. <i>Polymer</i> , 2003, 44, 4773-4779.	3.8	22

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73	Enhancing the scratch resistance of polycarbonate with poly(ethylene oxide)–silica hybrid coatings. <i>Advances in Polymer Technology</i> , 2008, 27, 117-126.	1.7	22
74	UV-cured epoxy coatings modified with perfluoropolyether-based materials. <i>Progress in Organic Coatings</i> , 2010, 68, 323-327.	3.9	22
75	Epoxy nanocomposites functionalized with in situ generated magnetite nanocrystals: Microstructure, magnetic properties, interaction among magnetic particles. <i>Polymer</i> , 2015, 59, 278-289.	3.8	22
76	Monitoring of the Sol–Gel Synthesis of Organic–Inorganic Hybrids by FTIR Transmission, FTIR/ATR, NIR and Raman Spectroscopy. <i>Macromolecular Symposia</i> , 2008, 265, 134-143.	0.7	21
77	EPDM rubber reinforced with titania generated by nonhydrolytic sol-gel process. <i>Polymer Engineering and Science</i> , 2014, 54, 2544-2552.	3.1	21
78	Toughened acrylic/melamine thermosetting clear coats using POSS molecules: Mechanical and morphological studies. <i>Polymer</i> , 2015, 63, 19-29.	3.8	21
79	New biocomposite obtained using poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBH) and microfibrillated cellulose. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48953.	2.6	21
80	Preparation and characterization of epoxy resins filled with submicron spherical zirconia particles. <i>Polimery</i> , 2006, 51, 794-798.	0.7	21
81	Use of Single-Walled Carbon Nanotubes as Reinforcing Fillers in UV-Curable Epoxy Systems. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 708-713.	3.6	20
82	Tribological properties and scratch healing of a typical automotive nano clearcoat modified by a polyhedral oligomeric silsesquioxane compound. <i>European Polymer Journal</i> , 2014, 60, 79-91.	5.4	19
83	Mutifunctional Electrospun Nonwoven Mats with Two-Way Shape Memory Behavior Prepared from Sol–Gel Crosslinked Poly( $\mu$ -Caprolactone). <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600519.	3.6	19
84	Unsaturated polyester resins modified with perfluoropolyethers. <i>Journal of Applied Polymer Science</i> , 1998, 67, 1679-1691.	2.6	18
85	Acrylic polyester resins containing perfluoropolyethers structures: Synthesis, characterization, and photopolymerization. <i>Journal of Applied Polymer Science</i> , 2000, 75, 651-659.	2.6	18
86	Synthesis and characterisation of silica hybrids based on poly( $\mu$ -caprolactone-b-perfluoropolyether-b- $\mu$ -caprolactone). <i>European Polymer Journal</i> , 2002, 38, 1129-1136.	5.4	18
87	Epoxy resin modified with <i>in situ</i> generated metal oxides by means of sol–gel process. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1792-1799.	2.6	17
88	Preparation and characterization of EPDM/silica composites prepared through non-hydrolytic sol-gel method in the absence and presence of a coupling agent. <i>EXPRESS Polymer Letters</i> , 2014, 8, 809-822.	2.1	17
89	In Situ Synthesis of Rubber Nanocomposites. <i>Advanced Structured Materials</i> , 2011, , 57-85.	0.5	16
90	Enhancement of scratch-resistance properties of methacrylated UV-cured coatings. <i>Progress in Organic Coatings</i> , 2011, 72, 287-291.	3.9	16

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91	Isoprene rubber filled with silica generated <i>in situ</i> . Journal of Applied Polymer Science, 2011, 119, 3422-3428.	2.6	16
92	Multilayer films composed of conductive poly(3-hydroxybutyrate)/carbon nanotubes bionanocomposites and a photoresponsive conducting polymer. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 596-602.	2.1	16
93	Thermo-mechanical and Impact Properties of Polymeric Foams Used for Snow Sports Protective Equipment. Procedia Engineering, 2014, 72, 678-683.	1.2	16
94	Tailored One-Way and Two-Way Shape Memory Capabilities of Poly( $\epsilon$ -Caprolactone)-Based Systems for Biomedical Applications. Journal of Materials Engineering and Performance, 2014, 23, 2545-2552.	2.5	16
95	Facile fabrication of shape memory poly( $\epsilon$ -caprolactone) non-woven mat by combining electrospinning and sol-gel reaction. RSC Advances, 2016, 6, 43964-43974.	3.6	16
96	Structural characterization and functional correlation of Fe <sub>3</sub> O <sub>4</sub> nanocrystals obtained using 2-ethyl-1,3-hexanediol as innovative reactive solvent in non-hydrolytic sol-gel synthesis. Materials Chemistry and Physics, 2018, 207, 337-349.	4.0	16
97	Preparation and characterization of innovative poly(butylene adipate terephthalate)-based biocomposites for agricultural food packaging application. Journal of Applied Polymer Science, 2022, 139, .	2.6	16
98	Epoxy resins reinforced with TiO <sub>2</sub> generated by nonhydrolytic sol-gel process. Journal of Applied Polymer Science, 2014, 131, .	2.6	15
99	Magnetite-epoxy nanocomposites obtained by the reactive suspension method: Microstructural, thermo-mechanical and magnetic properties. European Polymer Journal, 2017, 94, 354-365.	5.4	15
100	Influence of atmospheric pressure plasma process parameters on the mechanical behavior of thermoplastic joints. International Journal of Adhesion and Adhesives, 2020, 102, 102650.	2.9	15
101	Rubber-Filler Interactions in Polyisoprene Filled with In Situ Generated Silica: A Solid State NMR Study. Polymers, 2018, 10, 822.	4.5	14
102	Wine derived additives as poly(butylene succinate) (PBS) natural stabilizers for different degradative environments. Polymer Degradation and Stability, 2020, 182, 109381.	5.8	14
103	Poly( $\epsilon$ -caprolactone)-poly(fluoroalkylene oxide)-poly( $\epsilon$ -caprolactone) block copolymers as surface modifiers of poly(vinyl chloride). Surface Coatings International Part B: Coatings Transactions, 2002, 85, 197-201.	0.3	13
104	Perfluoropolyether-based organic-inorganic coatings. Progress in Organic Coatings, 2011, 72, 461-468.	3.9	13
105	Fracture Toughness Enhancement of UV-Cured Epoxy Coatings Containing Al <sub>2</sub> O <sub>3</sub> Nanoparticles. Macromolecular Materials and Engineering, 2013, 298, 1184-1189.	3.6	13
106	Epoxy networks reinforced with TiO <sub>2</sub> generated by nonhydrolytic sol-gel process: A comparison between <i>in situ</i> and <i>ex situ</i> syntheses to obtain filled polymers. Polymer Engineering and Science, 2015, 55, 1689-1697.	3.1	13
107	A scratch resistant yet healable automotive clearcoat containing hyperbranched polymer and POSS nanostructures. RSC Advances, 2016, 6, 76028-76041.	3.6	13
108	Graphene nanoplatelets dispersion in poly(L-lactic acid): preparation method and its influence on electrical, crystallinity and thermomechanical properties. Iranian Polymer Journal (English Edition), 2016, 25, 193-202.	2.4	13

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109	Thermo-Mechanical and Morphological Properties of Polymer Composites Reinforced by Natural Fibers Derived from Wet Blue Leather Wastes: A Comparative Study. <i>Polymers</i> , 2021, 13, 1837.	4.5	13
110	Mass Transport in Hybrid PTMSP/Silica Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 9243-9255.	3.7	12
111	Influence of <i>in situ</i> -generated silica nanoparticles on EPDM morphology, thermal, thermomechanical, and mechanical properties. <i>Polymer Composites</i> , 2015, 36, 825-833.	4.6	12
112	Organic-inorganic nanocomposites prepared by reactive suspension method: investigation on filler/matrix interactions and their effect on the nanoparticles dispersion. <i>Colloid and Polymer Science</i> , 2017, 295, 695-701.	2.1	12
113	Effect of the wine wastes on the thermal stability, mechanical properties, and biodegradation's rate of poly(3-hydroxybutyrate). <i>Journal of Applied Polymer Science</i> , 2021, 138, 49713.	2.6	12
114	Valorization of oat hull fiber from agri-food industrial waste as filler for poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 402-408.	3.0	12
115	Chapter 9 Selective oxidation of o-xylene to phthalic anhydride over the Eurocat V2O5/TiO2 catalysts. <i>Catalysis Today</i> , 1994, 20, 153-163.	4.4	11
116	Surface Property Modification of Epoxy Coatings by Polydimethylsiloxanes. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 257-262.	3.6	11
117	Novel toughened automotive clearcoats modified by a polyesteramide hyperbranched polymer: structural and mechanical aspects. <i>Polymers for Advanced Technologies</i> , 2013, 24, 495-502.	3.2	11
118	Advanced resins for stereolithography: In situ generation of silver nanoparticles. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	11
119	Design and Characterization of Novel Potentially Biodegradable Triple-Shape Memory Polymers Based on Immiscible Poly(L-lactide)/Poly(ε-caprolactone) Blends. <i>Journal of Polymers and the Environment</i> , 2019, 27, 632-642.	5.0	11
120	Poly(caprolactone-co-lactide)/perfluoropolyether block copolymers: Synthesis, thermal, and surface characterization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3588-3599.	2.3	10
121	Electrical behavior of PET films coated with nanostructured organic-inorganic hybrids. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4870-4877.	2.6	10
122	Multifunctional Luminescent Organic/Inorganic Hybrid Films. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 680-688.	3.6	10
123	Insights into Shape-Memory Poly(μ-caprolactone) Materials by Solid-State NMR. <i>Macromolecules</i> , 2014, 47, 3544-3552.	4.8	10
124	Non-hydrolytic sol-gel synthesis and reactive suspension method: an innovative approach to obtain magnetite-epoxy nanocomposite materials. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 69-83.	2.4	10
125	DLP 3D printing of shape memory polymers stabilized by thermoreversible hydrogen bonding interactions. <i>Applied Materials Today</i> , 2021, 23, 101060.	4.3	10
126	Interrelation between preparation conditions, structure, and mechanical reinforcement in isoprene rubber filled with in situ generated silica. <i>Journal of Applied Polymer Science</i> , 2012, 125, E398.	2.6	9

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127	Proposal of a Novel Natural Biomaterial, the Scleral Ossicle, for the Development of Vascularized Bone Tissue In Vitro. <i>Biomedicines</i> , 2018, 6, 3.	3.2	9
128	Structure and Properties of Polyamide 11 Nanocomposites Filled with Fibrous Palygorskite Clay. <i>Journal of Renewable Materials</i> , 2019, 7, 89-102.	2.2	9
129	Synthesis and Characterization of Semiconductor Polymer Doped with FeCl <sub>3</sub> and I <sub>2</sub> . <i>Semiconductors</i> , 2019, 53, 1656-1664.	0.5	9
130	Synthesis and characterization of a composite organic semiconductor (curcumin-paracetamol/TiO <sub>2</sub> ). <i>Polymers and Polymer Composites</i> , 2021, 29, 417-426.	1.9	9
131	Synthesis and phase separation behavior of $\hat{\pm}, \tilde{\%}$ difunctionalized diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 926-937.	2.3	8
132	Hybrid epoxy networks from ethoxysilyl-modified hyperbranched poly(ethyleneimine) and inorganic reactive precursors. <i>European Polymer Journal</i> , 2015, 70, 18-27.	5.4	8
133	Protein films from black soldier fly ( <i>Hermetia illucens</i> , Diptera: Stratiomyidae) prepupae: effect of protein solubility and mild crosslinking. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4506-4513.	3.5	8
134	Facile and not facile reactions for the production of maleic and phthalic anhydrides with vanadium mixed oxides based catalysts. <i>Catalysis Letters</i> , 1993, 21, 19-26.	2.6	7
135	Perfluoropolyether-Silica Hybrids: Preparation and Surface Characterization. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 34, 155-163.	2.4	7
136	Effect of expandable and expanded graphites on the thermo-mechanical properties of polyamide 11. <i>Journal of Elastomers and Plastics</i> , 2019, 51, 175-190.	1.5	7
137	Corrosion resistance of commonly used plumbing materials for water distribution systems exposed to disinfection treatments. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 224-231.	1.4	7
138	Verwey transition temperature distribution in magnetic nanocomposites containing polydisperse magnetite nanoparticles. <i>Journal of Materials Science</i> , 2019, 54, 8346-8360.	3.7	6
139	Surface modification of unsaturated polyester resins with perfluoropolyethers. <i>Polimery</i> , 2004, 49, 785-789.	0.7	6
140	Production of Maleic and Phthalic Anhydrides by Selective Vapor Phase Oxidation with Vanadium Oxide Based Catalysts. <i>Studies in Surface Science and Catalysis</i> , 1994, 82, 221-231.	1.5	5
141	Perfluoropolyether-based organic-inorganic hybrid coatings: Preparation and surface characterisation. <i>Surface Coatings International Part B: Coatings Transactions</i> , 2005, 88, 243-249.	0.3	5
142	Bentonite-Based Organoclays as Innovative Flame Retardants Agents for SBS Copolymer. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6316-6324.	0.9	5
143	Fabrication and characterization of new eco-friendly composites obtained by the complete recycling of exhausted coffee capsules. <i>Composites Science and Technology</i> , 2022, 222, 109358.	7.8	5
144	Non-Conventional Curing of Organic-Inorganic Hybrids. <i>Macromolecular Symposia</i> , 2005, 228, 229-236.	0.7	4

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145	Tailored One-Way and Two-Way Shape Memory Response of Poly( $\hat{\mu}$ -Caprolactone)-Based Systems for Biomedical Applications. <i>Advances in Science and Technology</i> , 0, , .	0.2	4
146	Evaluation of the shape memory performances of poly( $\hat{\mu}$ -caprolactone)-based tubular devices for potential biomedical applications. , 2014, , .		4
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