Marco Zanetti

List of Publications by Year
in descending order

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75	5,100	147566	88477
papers	citations	31	70
		h-index	g-index

76	76	76	5115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymer layered silicate nanocomposites. Macromolecular Materials and Engineering, 2000, 279, 1-9.	1.7	453
2	Synthesis and thermal behaviour of layered silicateâ€“EVA nanocomposites. Polymer, 2001, 42, 4501-4507.	1.8	449
3	Cone Calorimeter Combustion and Gasification Studies of Polymer Layered Silicate Nanocomposites. Chemistry of Materials, 2002, 14, 881-887.	3.2	405
4	Thermal Behaviour of Poly(propylene) Layered Silicate Nanocomposites. Macromolecular Rapid Communications, 2001, 22, 176-180.	2.0	350
5	Cyclodextrin-based nanosponges as drug carriers. Beilstein Journal of Organic Chemistry, 2012, 8, 2091-2099.	1.3	275
6	Fire Retardant Halogenâˆ’Antimonyâˆ’Clay Synergism in Polypropylene Layered Silicate Nanocompositesâ€. Chemistry of Materials, 2002, 14, 189-193.	3.2	243
7	Visible light photocatalytic activity of novel MWCNT-doped ZnO electrospun nanofibers. Journal of Molecular Catalysis A, 2012, 359, 42-48.	4.8	180
8	Thermal degradation behaviour of PE/clay nanocomposites. Polymer Degradation and Stability, 2004, 85, 657-665.	2.7	175
9	Preparation and combustion behaviour of polymer/layered silicate nanocomposites based upon PE and EVA. Polymer, 2004, 45, 4367-4373.	1.8	158
10	Combustion behaviour of EVA/fluorohectorite nanocomposites. Polymer Degradation and Stability, 2001, 74, 413-417.	2.7	144
11	Thermal degradation and rheological behaviour of EVA/montmorillonite nanocomposites. Polymer Degradation and Stability, 2002, 77, 299-304.	2.7	134
12	Thermal degradation of cyclodextrins. Polymer Degradation and Stability, 2000, 69, 373-379.	2.7	133
13	Evolution of Cyclodextrin Nanosponges. International Journal of Pharmaceutics, 2017, 531, 470-479.	2.6	131
14	Stabilisation of ultra-high molecular weight polyethylene with Vitamin E. Polymer Degradation and Stability, 2007, 92, 2155-2162.	2.7	116
15	The Effect of Electrospun Gelatin Fibers Alignment on Schwann Cell and Axon Behavior and Organization in the Perspective of Artificial Nerve Design. International Journal of Molecular Sciences, 2015, 16, 12925-12942.	1.8	96
16	Thermal decomposition of fire retardant brominated epoxy resins cured with different nitrogen containing hardeners. Polymer Degradation and Stability, 2007, 92, 1088-1100.	2.7	88
17	Preparation of polymeric hybrid nanocomposites based on PE and nanosilica. Polymer, 2009, 50, 2595-2600.	1.8	87
18	Polystyrene Microspheres and Nanospheres Produced by Electrospray. Macromolecular Rapid Communications, 2006, 27, 2038-2042.	2.0	77

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19	Radiation-induced crosslinking of UHMWPE in the presence of co-agents: chemical and mechanical characterisation. Polymer, 2005, 46, 10648-10657.	1.8	76
20	Crosslinking and carbonization processes in PAN films and nanofibers. Polymer Degradation and Stability, 2016, 123, 178-188.	2.7	73
21	Crosslinked gelatin nanofibres: Preparation, characterisation and in vitro studies using glial-like cells. Materials Science and Engineering C, 2013, 33, 2723-2735.	3.8	67
22	The influence of electrospun fibre size on Schwann cell behaviour and axonal outgrowth. Materials Science and Engineering C, 2015, 48, 620-631.	3.8	65
23	Pyrolysis of fire retardant anhydride-cured epoxy resins. Journal of Analytical and Applied Pyrolysis, 2010, 88, 39-52.	2.6	59
24	Functional Dyes in Polymeric 3D Printing: Applications and Perspectives. , 2021, 3, 1-17.		58
25	Micro-FTIR and Micro-Raman Studies of a Carbon Film Prepared from Furfuryl Alcohol Polymerization. Journal of Physical Chemistry B, 2009, 113, 10571-10574.	1.2	56
26	Comparative Evaluation of Solubility, Cytotoxicity and Photostability Studies of Resveratrol and Oxyresveratrol Loaded Nanosponges. Pharmaceutics, 2019, 11, 545.	2.0	56
27	Influence of MWCNT morphology on dispersion and thermal properties of polyethylene nanocomposites. Polymer Degradation and Stability, 2010, 95, 756-762.	2.7	54
28	Low density polyethylene degradation by filamentous fungi. Environmental Pollution, 2021, 274, 116548.	3.7	52
29	Oxidation behaviour in prosthetic UHMWPE components sterilised with high-energy radiation in the presence of oxygen. Polymer Degradation and Stability, 2006, 91, 3057-3064.	2.7	49
30	Thiolâ€“yne chemistry for 3D printing: exploiting an off-stoichiometric route for selective functionalization of 3D objects. Polymer Chemistry, 2019, 10, 5950-5958.	1.9	37
31	Graphite nanoplatelets and carbon nanotubes based polyethylene composites: Electrical conductivity and morphology. Materials Chemistry and Physics, 2013, 143, 47-52.	2.0	35
32	In Situ Synthesis of MIL-100(Fe) at the Surface of Fe3O4@AC as Highly Efficient Dye Adsorbing Nanocomposite. International Journal of Molecular Sciences, 2019, 20, 5612.	1.8	33
33	Micro porous carbon spheres from cyclodextrin nanosponges. Microporous and Mesoporous Materials, 2016, 235, 178-184.	2.2	32
34	WEEE recycling: Pyrolysis of fire retardant model polymers. Waste Management, 2005, 25, 203-208.	3.7	31
35	In-vivo degradation of poly(carbonate-urethane) based spine implants. Polymer Degradation and Stability, 2013, 98, 1225-1235.	2.7	31
36	Lifetime of alkyl macroradicals in irradiated ultra-high molecular weight polyethylene. Polymer Degradation and Stability, 2007, 92, 1498-1503.	2.7	30

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37	Thermoplastic polyurethanes with polycarbonate soft phase: Effect of thermal treatment on phase morphology. Polymer Degradation and Stability, 2012, 97, 1794-1800.	2.7	30
38	Thermosetting Polyurethane Resins as Low-Cost, Easily Scalable, and Effective Oxygen and Moisture Barriers for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 54862-54875.	4.0	30
39	All-Carbon Conductors for Electronic and Electrical Wiring Applications. Frontiers in Materials, 2020, 7, .	1.2	30
40	Sustainable synthesis of cyclodextrin-based polymers by exploiting natural deep eutectic solvents. Green Chemistry, 2020, 22, 5806-5814.	4.6	29
41	Opposite role of different carbon fiber reinforcements on the non-isothermal crystallization behavior of poly(etheretherketone). Materials Chemistry and Physics, 2016, 179, 223-231.	2.0	28
42	Cyclodextrins and Cyclodextrin Derivatives as Green Char Promoters in Flame Retardants Formulations for Polymeric Materials. A Review. Polymers, 2019, 11, 664.	2.0	28
43	Mechanochemical green synthesis of hyper-crosslinked cyclodextrin polymers. Beilstein Journal of Organic Chemistry, 2020, 16, 1554-1563.	1.3	28
44	Enhancement of the Adhesive Properties by Optimizing the Water Content in PNIPAM-Functionalized Complex Coacervates. ACS Applied Polymer Materials, 2020, 2, 1722-1730.	2.0	23
45	Preparation and characterization of microporous carbon spheres from high amylose pea maltodextrin. RSC Advances, 2017, 7, 36117-36123.	1.7	21
46	Controlled Release of DEET Loaded on Fibrous Mats from Electrospun PMDA/Cyclodextrin Polymer. Molecules, 2018, 23, 1694.	1.7	19
47	Flammability and thermal stability of polymer/layered silicate nanocomposites. , 2006, , 256-272.		19
48	In vitro evaluation of gelatin and chitosan electrospun fibres as an artificial guide in peripheral nerve repair: a comparative study. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e679-e694.	1.3	17
49	Study of clay nanocomposites of the biodegradable polyhexamethylene succinate. Application of isoconversional analysis to nonisothermal crystallization. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2234-2248.	2.4	15
50	Dual confinement of sulphur with rGO-wrapped microporous carbon from Î²-cyclodextrin nanosponges as a cathode material for Liâ€“S batteries. Journal of Solid State Electrochemistry, 2017, 21, 3411-3420.	1.2	15
51	Sustainable mechanochemical synthesis of Î²-cyclodextrin polymers by twin screw extrusion. Environmental Science and Pollution Research, 2022, 29, 251-263.	2.7	15
52	Degradable polyoctamethylene suberate/clay nanocomposites. Crystallization studies by DSC and simultaneous SAXS/WAXD synchrotron radiation. European Polymer Journal, 2009, 45, 398-409.	2.6	13
53	Fire behavior of polyamide 12 nanocomposites containing POSS and CNT. Polymer Degradation and Stability, 2016, 134, 151-156.	2.7	13
54	Sustainable N-containing biochars obtained at low temperatures as sorbing materials for environmental application: Municipal biowaste-derived substances and nanosponges case studies. Journal of Analytical and Applied Pyrolysis, 2018, 134, 606-613.	2.6	13

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55	Microfibers of microporous carbon obtained from the pyrolysis of electrospun Î²-cyclodextrin/pyromellitic dianhydride nanosponges. Polymer Degradation and Stability, 2019, 161, 277-282.	2.7	13
56	New Poly(Î²-Cyclodextrin)/Poly(Vinyl Alcohol) Electrospun Sub-Micrometric Fibers and Their Potential Application for Wastewater Treatments. Nanomaterials, 2020, 10, 482.	1.9	13
57	Mechanosynthesis of Î²-Cyclodextrin Polymers Based on Natural Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 14881-14889.	3.2	13
58	Nanosized SnO2 Prepared by Electrospinning: Influence of the Polymer on Both Morphology and Microstructure. Polymers, 2021, 13, 977.	2.0	12
59	Oneâ€step facile process to obtain insoluble polysaccharides fibrous mats from electrospinning of waterâ€soluble PMDA/cyclodextrin polymer. Journal of Applied Polymer Science, 2018, 135, 46490.	1.3	9
60	The Haloform Reaction in the Presence of Cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2000, 37, 83-92.	1.6	8
61	Shedding light on precursor and thermal treatment effects on the nanostructure of electrospun TiO2 fibers. Nano Structures Nano Objects, 2016, 7, 49-55.	1.9	7
62	Combined Influence of Gelatin Fibre Topography and Growth Factors on Cultured Dorsal Root Ganglia Neurons. Anatomical Record, 2018, 301, 1668-1677.	0.8	7
63	Piezoresistive and mechanical Behavior of CNT based polyurethane foam. Journal of Composites Science, 2020, 4, 131.	1.4	7
64	Investigation of the key parameters for gas sensing through comparison of electrospun and sol-gel semiconducting oxides. Ceramics International, 2022, 48, 20948-20960.	2.3	7
65	Gas Chromatography Study of Reagent Degradation During Chemical Vapor Deposition of Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 3593-3598.	0.9	6
66	The influence of shear forces on clay modification with oppositely charged polyelectrolytes. Macromolecular Materials and Engineering, 2000, 279, 10-18.	1.7	5
67	3d printing technologies: are their materials safe for conservation treatments?. IOP Conference Series: Materials Science and Engineering, 2018, 364, 012029.	0.3	5
68	Preparation of Microspheres and Monolithic Microporous Carbons from the Pyrolysis of Template-Free Hyper-Crosslinked Oligosaccharides Polymer. Molecules, 2020, 25, 3034.	1.7	4
69	Sustainable production of curable maltodextrin-based electrospun microfibers. RSC Advances, 2021, 12, 762-771.	1.7	4
70	NADES-derived beta cyclodextrin-based polymers as sustainable precursors to produce sub-micrometric cross-linked mats and fibrous carbons. Polymer Degradation and Stability, 2022, 202, 110040.	2.7	3
71	Ultrasensitive Gas Sensors Based on Electrospun TiO2 and ZnO. Proceedings (mdpi), 2017, 1, .	0.2	2
72	Ultrasensitive Gas Sensors Based on Electrospun TiO2 and ZnO â€. Proceedings (mdpi), 2017, 1, 485.	0.2	1

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73	PVC and PVC-VAc Nanocomposites: Negative Effects on Thermal Stability. ACS Symposium Series, 2005, , 75-88.	0.5	0
74	Polyurethanes as low cost and efficient encapsulants for Perovskite Solar Cells. , 0, , .		0
75	Preparation and Carbonization of Glucose and Pyromellitic Dianhydride Crosslinked Polymers. Journal of Carbon Research, 2021, 7, 56.	1.4	0