

Marco Aldo Ortenzi

List of Publications by Year in descending order

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69
papers

1,498
citations

430874

18
h-index

345221

36
g-index

70
all docs

70
docs citations

70
times ranked

2144
citing authors

#	ARTICLE	IF	CITATIONS
1	Does mechanical stress cause microplastic release from plastic water bottles?. Water Research, 2019, 166, 115082.	11.3	167
2	Comparison of cellulose nanocrystals obtained by sulfuric acid hydrolysis and ammonium persulfate, to be used as coating on flexible food-packaging materials. Cellulose, 2016, 23, 779-793.	4.9	154
3	Polystyrene microplastics ingestion induced behavioral effects to the cladoceran Daphnia magna. Chemosphere, 2019, 231, 423-431.	8.2	108
4	Personalized orodispersible films by hot melt ram extrusion 3D printing. International Journal of Pharmaceutics, 2018, 551, 52-59.	5.2	81
5	Bio-based polyamide 11: Synthesis, rheology and solid-state properties of star structures. European Polymer Journal, 2014, 59, 69-77.	5.4	77
6	Cellulose nanofibrils as reinforcing agents for PLA-based nanocomposites: An in situ approach. Composites Science and Technology, 2019, 171, 94-102.	7.8	64
7	Evaluation of crystallinity and gas barrier properties of films obtained from PLA nanocomposites synthesized via <i>in situ</i> polymerization of L-lactide with silane-modified nanosilica and montmorillonite. European Polymer Journal, 2015, 66, 478-491.	5.4	60
8	Industrial Development of a 3D-Printed Nutraceutical Delivery Platform in the Form of a Multicompartment HPC Capsule. AAPS PharmSciTech, 2018, 19, 3343-3354.	3.3	49
9	Protective features, durability and biodegradation study of acrylic and methacrylic fluorinated polymer coatings for marble protection. Progress in Organic Coatings, 2018, 114, 47-57.	3.9	41
10	Poly(lactide)/cellulose nanocrystals: The in situ polymerization approach to improved nanocomposites. European Polymer Journal, 2017, 94, 173-184.	5.4	36
11	Synthesis and characterization of PLA nanocomposites containing nanosilica modified with different organosilanes II: Effect of the organosilanes on the properties of nanocomposites: Thermal characterization. Journal of Applied Polymer Science, 2013, 128, 3057-3063.	2.6	34
12	The Effect of Moisture on Cellulose Nanocrystals Intended as a High Gas Barrier Coating on Flexible Packaging Materials. Polymers, 2017, 9, 415.	4.5	31
13	One-Pot Synthesis of Sustainable High-Performance Thermoset by Exploiting Eugenol Functionalized 1,3-Dioxolan-4-one. ACS Sustainable Chemistry and Engineering, 2018, 6, 15201-15211.	6.7	31
14	Interactive effects between sinking polyethylene terephthalate (PET) microplastics deriving from water bottles and a benthic grazer. Journal of Hazardous Materials, 2020, 398, 122848.	12.4	31
15	Cellulose Nanocrystals from Lignocellulosic Raw Materials, for Oxygen Barrier Coatings on Food Packaging Films. Packaging Technology and Science, 2017, 30, 645-661.	2.8	29
16	Oxidative stress-related effects induced by micronized polyethylene terephthalate microparticles in the Manila clam. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 168-179.	2.3	27
17	Chlorine Dioxide Degradation Issues on Metal and Plastic Water Pipes Tested in Parallel in a Semi-Closed System. International Journal of Environmental Research and Public Health, 2019, 16, 4582.	2.6	24
18	Fast Production of Cellulose Nanocrystals by Hydrolytic-Oxidative Microwave-Assisted Treatment. Polymers, 2020, 12, 68.	4.5	20

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19	Eugenol-grafted aliphatic polyesters: Towards inherently antimicrobial PLA-based materials exploiting OCAs chemistry. <i>European Polymer Journal</i> , 2019, 114, 369-379.	5.4	19
20	PA6 and Halloysite Nanotubes Composites with Improved Hydrothermal Ageing Resistance: Role of Filler Physicochemical Properties, Functionalization and Dispersion Technique. <i>Polymers</i> , 2020, 12, 211.	4.5	19
21	Stearyl methacrylate co-polymers: Towards new polymer coatings for mortars protection. <i>Applied Surface Science</i> , 2019, 488, 213-220.	6.1	18
22	Dietary exposure to polyethylene terephthalate microplastics (PET-MPs) induces faster growth but not oxidative stress in the giant snail <i>Achatina reticulata</i> . <i>Chemosphere</i> , 2021, 270, 129430.	8.2	18
23	Double side self-cleaning polymeric materials: The hydrophobic and photoactive approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 285-291.	4.7	17
24	Crystal chemistry and temperature behavior of the natural hydrous borate colemanite, a mineral commodity of boron. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 405-422.	0.8	17
25	Design of pressure-sensitive adhesive suitable for the preparation of transdermal patches by hot-melt printing. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119607.	5.2	17
26	Towards Novel Fluorinated Methacrylic Coatings for Cultural Heritage: A Combined Polymers and Surfaces Chemistry Study. <i>Polymers</i> , 2019, 11, 1190.	4.5	16
27	Laundering of face masks represents an additional source of synthetic and natural microfibers to aquatic ecosystems. <i>Science of the Total Environment</i> , 2022, 806, 150495.	8.0	16
28	Homogeneous synthesis and characterization of sulfonated polyarylethersulfones having low degree of sulfonation and highly hydrophilic behavior. <i>Macromolecular Research</i> , 2016, 24, 800-810.	2.4	15
29	CO ₂ capture and sequestration in stable Ca-oxalate, via Ca-ascorbate promoted green reaction. <i>Science of the Total Environment</i> , 2019, 666, 1232-1244.	8.0	15
30	Macroplastics contamination on glaciers from Italian Central-Western Alps. <i>Environmental Advances</i> , 2021, 5, 100084.	4.8	15
31	Fluorinated Polyacrylic Resins for the Protection of Cultural Heritages: The Effect of Fluorine on Hydrophobic Properties and Photochemical Stability. <i>Chemistry Letters</i> , 2018, 47, 280-283.	1.3	14
32	Tunable Linear and Nonlinear Optical Properties from Room Temperature Phosphorescent Cyclic Triimidazole- π -Pyrene Bio- π -Probe. <i>Chemistry - A European Journal</i> , 2021, 27, 16690-16700.	3.3	13
33	Poly(Phenylene Methylene): A Multifunctional Material for Thermally Stable, Hydrophobic, Fluorescent, Corrosion-Protective Coatings. <i>Coatings</i> , 2018, 8, 274.	2.6	12
34	Implementation of High Gas Barrier Laminated Films Based on Cellulose Nanocrystals for Food Flexible Packaging. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3201.	2.5	12
35	Synthesis of Polylactic Acid Initiated through Biobased Antioxidants: Towards Intrinsically Active Food Packaging. <i>Polymers</i> , 2020, 12, 1183.	4.5	12
36	Poly(ethylene-glycol)-based fluorinated esters: a readily available entry for novel ¹⁹ F-MRI agents. <i>Tetrahedron Letters</i> , 2011, 52, 6581-6583.	1.4	11

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37	One-pot oligoamides syntheses from L-lysine and L-tartaric acid. RSC Advances, 2017, 7, 12054-12062.	3.6	11
38	Mucoadhesive Budesonide Formulation for the Treatment of Eosinophilic Esophagitis. Pharmaceutics, 2020, 12, 211.	4.5	11
39	Powering tyrosol antioxidant capacity and osteogenic activity by biocatalytic polymerization. RSC Advances, 2016, 6, 2993-3002.	3.6	10
40	Electrodes modified with sulphonated poly(aryl ether sulphone): effect of casting conditions on their enhanced electroanalytical performance.. Electrochimica Acta, 2016, 194, 405-412.	5.2	9
41	Novel Synthetic Approach to Tune the Surface Properties of Polymeric Films: Ionic Exchange Reaction between Sulfonated Polyarylethersulfones and Ionic Liquids. Polymer-Plastics Technology and Engineering, 2017, 56, 296-309.	1.9	8
42	A Combined XRD, Solvatochromic, and Cyclic Voltammetric Study of Poly (3,4-Ethylenedioxythiophene) Doped with Sulfonated Polyarylethersulfones: Towards New Conducting Polymers. Polymers, 2018, 10, 770.	4.5	8
43	Carvacrol- and Cardanol-Containing 1,3-Dioxolan-4-ones as Comonomers for the Synthesis of Functional Polylactide-Based Materials. Macromolecules, 2020, 53, 6420-6431.	4.8	8
44	Pectin-Based Formulations for Controlled Release of an Ellagic Acid Salt with High Solubility Profile in Physiological Media. Molecules, 2021, 26, 433.	3.8	8
45	The Use of Epoxy Silanes on Montmorillonite: An Effective Way to Improve Thermal and Rheological Properties of PLA/MMT Nanocomposites Obtained via in Situ Polymerization. Journal of Nanomaterials, 2015, 2015, 1-16.	2.7	7
46	In situ film forming fibroin gel intended for cutaneous administration. International Journal of Pharmaceutics, 2016, 511, 296-302.	5.2	7
47	TiO ₂ -SiO ₂ -PMMA Terpolymer Floating Device for the Photocatalytic Remediation of Water and Gas Phase Pollutants. Catalysts, 2018, 8, 568.	3.5	7
48	Conductive inks based on methacrylate end-capped poly(3,4-ethylenedioxythiophene) for printed and flexible electronics. Polymer Engineering and Science, 2017, 57, 491-501.	3.1	6
49	Design of New Polyacrylate Microcapsules to Modify the Water-Soluble Active Substances Release. Polymers, 2021, 13, 809.	4.5	6
50	Easily available, low cost 19F MRI agents: Poly(ethylene-glycol)-functionalized fluorinated ethers. Journal of Fluorine Chemistry, 2013, 153, 172-177.	1.7	5
51	Combining control of branching and sulfonation in one-pot synthesis of random sulfonated polyarylethersulfones: effects on thermal stability and water retention. Polymer Bulletin, 2017, 74, 3939-3954.	3.3	5
52	The Case of 4-Vinyl-1,3-dioxolane-2-one: Determination of Its Pseudo-Living Behavior and Preparation of Allyl Carbonate-Styrene Copolymers. ChemistrySelect, 2017, 2, 10748-10753.	1.5	5
53	Comparison of Branched and Linear Perfluoropolyether Chains Functionalization on Hydrophobic, Morphological and Conductive Properties of Multi-Walled Carbon Nanotubes. Nanomaterials, 2018, 8, 176.	4.1	5
54	Synthesis and characterization of PLA nanocomposites containing nanosilica modified with different organosilanes I. Effect of the organosilanes on the properties of nanocomposites: Macromolecular, morphological, and rheologic characterization. Journal of Applied Polymer Science, 2013, 128, 1575-1582.	2.6	4

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55	Modified 1,6-hexanediol-trehalose and D-glucose: green monomers for the synthesis of vinyl copolymers. Royal Society Open Science, 2018, 5, 171313.	2.4	4
56	Role of Doping Agent Degree of Sulfonation and Casting Solvent on the Electrical Conductivity and Morphology of PEDOT:SPAES Thin Films. Polymers, 2021, 13, 658.	4.5	4
57	Yield stress in a flash: investigation of nonlinearity and yielding in soft materials with an optofluidic microrheometer. Soft Matter, 2021, 17, 3105-3112.	2.7	4
58	1,3-Dioxolan-4-Ones as Promising Monomers for Aliphatic Polyesters: Metal-Free, in Bulk Preparation of PLA. Polymers, 2020, 12, 2396.	4.5	3
59	DOX mediated synthesis of PLA-co-PS graft copolymers with matrix-driven self-assembly in PLA-based blends. European Polymer Journal, 2022, 170, 111157.	5.4	3
60	Calcitic-based stones protection by a low-fluorine modified methacrylic coating. Environmental Science and Pollution Research, 2021, , 1.	5.3	2
61	Emerging use of thermal analysis in the assessment of micro(nano)plastics exposure. Current Opinion in Toxicology, 2021, 28, 38-42.	5.0	2
62	Synthesis of Fluorine-Containing, UV-Responsive PLA-Based Materials by Means of Functionalized DOX Monomer. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	2
63	Functional end-capped conducting poly (3,4-ethylenedioxythiophene). AIP Conference Proceedings, 2016, , .	0.4	1
64	Reply to "Comment on Casiraghi et al. "Mucoadhesive Budesonide Formulation for the Treatment of Eosinophilic Esophagitis"™ 2020, 12, 211" Pharmaceuticals, 2020, 12, 822.	4.5	1
65	Stable Coloured Micrometric Films from Highly Concentrated Nano-Silver Sols: The Role of the Stabilizing Agents. Nanomaterials, 2021, 11, 980.	4.1	1
66	Polyhydroxylated Nanosized Graphite as Multifunctional Building Block for Polyurethanes. Polymers, 2022, 14, 1159.	4.5	1
67	Electrodes modified with poly(3,4-Ethylenedioxythiophene) doped with sulfonated polyarylethersulfones: Towards new conducting polymers. AIP Conference Proceedings, 2018, , .	0.4	0
68	Biological Effects of Air Pollution on Sensitive Bioindicators: A Case Study from Milan, Italy. Urban Science, 2021, 5, 64.	2.3	0
69	Calcium oxalate crystallization for a non-conventional CO2 storage method. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e247-e247.	0.1	0