Antonella Piozzi

List of Publications by Year
in descending order

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Version: 2024-02-01

52 papers	1,346 citations	331538 21 h-index	360920 35 g-index
52 all docs	52 docs citations	52 times ranked	1957 citing authors

#	Article	IF	Citations
1	One-Pot Preparation of Hydrophilic Polylactide Porous Scaffolds by Using Safe Solvent and Choline Taurinate Ionic Liquid. Pharmaceutics, 2022, 14, 158.	2.0	7
2	Sustainable Bioactive Packaging Based on Thermoplastic Starch and Microalgae. International Journal of Molecular Sciences, 2022, 23, 178.	1.8	10
3	Preparation and Characterization of Chitosan-Coated Manganese-Ferrite Nanoparticles Conjugated with Laccase for Environmental Bioremediation. Polymers, 2021, 13, 1453.	2.0	22
4	Silver- and Zinc-Decorated Polyurethane Ionomers with Tunable Hard/Soft Phase Segregation. International Journal of Molecular Sciences, 2021, 22, 6134.	1.8	4
5	Chitosanâ€“Graphene Oxide Composite Membranes for Solid-Phase Extraction of Pesticides. International Journal of Molecular Sciences, 2021, 22, 8374.	1.8	22
6	Chitosan scaffolds with enhanced mechanical strength and elastic response by combination of freeze gelation, photo-crosslinking and freeze-drying. Carbohydrate Polymers, 2021, 267, 118156.	5.1	17
7	Enhanced performance of Candida rugosa lipase immobilized onto alkyl chain modified-magnetic nanocomposites. Enzyme and Microbial Technology, 2020, 132, 109439.	1.6	20
8	Preparation and Characterization of TPP-Chitosan Crosslinked Scaffolds for Tissue Engineering. Materials, 2020, 13, 3577.	1.3	62
9	Application of temperature modulation to FTIR spectroscopy: an analysis of equilibrium and non-equilibrium conformational transitions of poly(ethylene terephthalate) in glassy and liquid states. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1835-1847.	2.0	5
10	Hyaluronic Acid Reduces Bacterial Fouling and Promotes Fibroblastsâ€™ Adhesion onto Chitosan 2D-Wound Dressings. International Journal of Molecular Sciences, 2020, 21, 2070.	1.8	26
11	Chromium(III) Removal from Wastewater by Chitosan Flakes. Applied Sciences (Switzerland), 2020, 10, 1925.	1.3	45
12	Role of Antioxidant Molecules and Polymers in Prevention of Bacterial Growth and Biofilm Formation. Current Medicinal Chemistry, 2020, 27, 4882-4904.	1.2	7
13	Polymeric Systems as Antimicrobial or Antifouling Agents. International Journal of Molecular Sciences, 2019, 20, 4866.	1.8	6
14	Isotactic polypropylene reversible crystallization investigated by modulated temperature and quasiâ€isothermal FTIR. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 922-931.	2.4	2
15	Glucosylated liposomes as drug delivery systems of usnic acid to address bacterial infections. Colloids and Surfaces B: Biointerfaces, 2019, 181, 632-638.	2.5	32
16	Structurally related glucosylated liposomes: Correlation of physicochemical and biological features. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1468-1475.	1.4	4
17	Synthesis, Characterization, and Bacterial Fouling-Resistance Properties of Polyethylene Glycol-Grafted Polyurethane Elastomers. International Journal of Molecular Sciences, 2019, 20, 1001.	1.8	42
18	Graphene Oxide Oxygen Content Affects Physical and Biological Properties of Scaffolds Based on Chitosan/Graphene Oxide Conjugates. Materials, 2019, 12, 1142.	1.3	26

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19	Effects of annealing above T_g on the physical aging of quenched PLLA studied by modulated temperature FTIR. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 174-181.	2.4	11
20	Intermolecular interaction and solid state characterization of abietic acid/chitosan solid dispersions possessing antimicrobial and antioxidant properties. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 125, 114-123.	2.0	36
21	Antimicrobial activity of catechol functionalized-chitosan versus Staphylococcus epidermidis. Carbohydrate Polymers, 2018, 179, 273-281.	5.1	75
22	Usnic Acid: Potential Role in Management of Wound Infections. Advances in Experimental Medicine and Biology, 2018, 1214, 31-41.	0.8	10
23	Antifouling and antimicrobial biomaterials: an overview. Apmis, 2017, 125, 392-417.	0.9	223
24	Taurine grafting and collagen adsorption on PLLA films improve human primary chondrocyte adhesion and growth. Colloids and Surfaces B: Biointerfaces, 2017, 158, 643-649.	2.5	14
25	Copper (II) adsorption capacity of a novel hydroxytyrosol-based polyacrylate. Polymer Bulletin, 2017, 74, 1175-1191.	1.7	5
26	Synergistic activity between an antimicrobial polyacrylamide and daptomycin versusStaphylococcus aureusbiofilm. Pathogens and Disease, 2016, 74, ftw042.	0.8	10
27	Glucosylated pH-sensitive liposomes as potential drug delivery systems. Chemistry and Physics of Lipids, 2016, 200, 113-119.	1.5	9
28	Flexible aliphatic poly(isocyanurateâ€“oxazolidone) resins based on poly(ethylene glycol) diglycidyl ether and 4,4â€²â€methylene dicyclohexyl diisocyanate. Journal of Applied Polymer Science, 2016, 133, .	1.3	9
29	Amino-functionalized poly(L-lactide) lamellar single crystals as a valuable substrate for delivery of HPV16-E7 tumor antigen in vaccine development. International Journal of Nanomedicine, 2015, 10, 3447.	3.3	19
30	Antioxidant Hydroxytyrosol-Based Polyacrylate with Antimicrobial and Antiadhesive Activity Versus Staphylococcus Epidermidis. Advances in Experimental Medicine and Biology, 2015, 901, 25-36.	0.8	16
31	Self-Assembly of Catecholic Moiety-Containing Cationic Random Acrylic Copolymers. Journal of Physical Chemistry B, 2015, 119, 8369-8379.	1.2	17
32	Antimicrobial and antioxidant amphiphilic random copolymers to address medical device-centered infections. Acta Biomaterialia, 2015, 22, 131-140.	4.1	43
33	Dyes Adsorption from Aqueous Solutions by Chitosan. Separation Science and Technology, 2015, 50, 1101-1107.	1.3	26
34	Design and characterization of antimicrobial usnic acid loaded-core/shell magnetic nanoparticles. Materials Science and Engineering C, 2015, 52, 72-81.	3.8	36
35	Role of the hydrophilic spacer of glucosylated amphiphiles included in liposome formulations in the recognition of Concanavalin A. Colloids and Surfaces B: Biointerfaces, 2015, 136, 232-239.	2.5	11
36	Antimicrobial Polymers for Anti-biofilm Medical Devices: State-of-Art and Perspectives. Advances in Experimental Medicine and Biology, 2015, 831, 93-117.	0.8	51

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37	Partially sulfonated ethylene-vinyl alcohol copolymer as new substrate for 3,4-ethylenedioxythiophene vapor phase polymerization. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1203-1210.	2.4	1
38	Efficacy Evaluation of Antimicrobial Drug-Releasing Polymer Matrices. Methods in Molecular Biology, 2014, 1147, 215-225.	0.4	13
39	Antifouling polyurethanes to fight device-related staphylococcal infections: synthesis, characterization, and antibiofilm efficacy. Pathogens and Disease, 2014, 70, 401-407.	0.8	34
40	Release behavior and antibiofilm activity of usnic acid-loaded carboxylated poly(l-lactide) microparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 415-423.	2.0	40
41	Water Soluble Usnic Acid-Polyacrylamide Complexes with Enhanced Antimicrobial Activity against Staphylococcus epidermidis. International Journal of Molecular Sciences, 2013, 14, 7356-7369.	1.8	50
42	Editorial of the Special Issue Antimicrobial Polymers. International Journal of Molecular Sciences, 2013, 14, 18002-18008.	1.8	6
43	CHAPTER 9. Biomimetic Polyurethanes. RSC Polymer Chemistry Series, 2013, , 224-278.	0.1	0
44	Water state effect on drug release from an antibiotic loaded polyurethane matrix containing albumin nanoparticles. International Journal of Pharmaceutics, 2011, 407, 197-206.	2.6	32
45	Synthesis and properties of block poly(ether-ester)s based on poly(ethylene oxide) and various hydrophobic segments. Polymer International, 2010, 59, n/a-n/a.	1.6	1
46	Antibiotic delivery polyurethanes containing albumin and polyallylamine nanoparticles. European Journal of Pharmaceutical Sciences, 2009, 36, 555-564.	1.9	79
47	Preparation of albuminâ€“ferrite superparamagnetic nanoparticles using reverse micelles. Polymer International, 2009, 58, 1142-1147.	1.6	28
48	Chemical Functionalisation of Vinyl Polymers to Obtain Heparin-Like Materials. Macromolecular Symposia, 2006, 234, 211-216.	0.4	2
49	Novel Metal-Polyurethane Complexes with Enhanced Antimicrobial Activity. Macromolecular Rapid Communications, 2006, 27, 233-237.	2.0	30
50	Physical Hydrogels of Poly(vinyl alcohol) with Different Syndiotacticity Prepared in the Presence of Lactosilated Chitosan Derivatives. Macromolecular Bioscience, 2003, 3, 455-461.	2.1	29
51	Synthesis and physico-chemical evaluation of ethylene/vinyl alcohol/vinyl stearate polymers. Macromolecular Chemistry and Physics, 1999, 200, 1191-1199.	1.1	13
52	New polyurethane compositions containing high amounts of covalently bonded heparin. Die Makromolekulare Chemie, 1993, 194, 1347-1356.	1.1	8