Manuela Curcio

List of Publications by Year
in descending order

84 papers	3,650 citations	136950 32 h-index	138484 58 g-index
87 all docs	87 docs citations	87 times ranked	4846 citing authors

#	Article	IF	Citations
1	New EU regulation aspects and global market of active and intelligent packaging for food industry applications. Food Control, 2010, 21, 1425-1435.	5.5	379
2	Covalent Insertion of Antioxidant Molecules on Chitosan by a Free Radical Grafting Procedure. Journal of Agricultural and Food Chemistry, 2009, 57, 5933-5938.	5.2	328
3	Polymer in Agriculture: a Review. American Journal of Agricultural and Biological Science, 2008, 3, 299-314.	0.4	224
4	Synthesis of Antioxidant Polymers by Grafting of Gallic Acid and Catechin on Gelatin. Biomacromolecules, 2009, 10, 1923-1930.	5.4	185
5	Molecularly imprinted polymers in drug delivery: state of art and future perspectives. Expert Opinion on Drug Delivery, 2011, 8, 1379-1393.	5.0	130
6	Antioxidantâ€“polysaccharide conjugates for food application by eco-friendly grafting procedure. Carbohydrate Polymers, 2010, 79, 333-340.	10.2	123
7	New restricted access materials combined to molecularly imprinted polymers for selective recognition/release in water media. European Polymer Journal, 2009, 45, 1634-1640.	5.4	115
8	Polyphenol Conjugates and Human Health: A Perspective Review. Critical Reviews in Food Science and Nutrition, 2016, 56, 326-337.	10.3	95
9	Molecularly imprinted polymers for the selective extraction of glycyrrhizic acid from liquorice roots. Food Chemistry, 2011, 125, 1058-1063.	8.2	90
10	Biological Activity of a Gallic Acidâ^'Gelatin Conjugate. Biomacromolecules, 2010, 11, 3309-3315.	5.4	79
11	Grafted thermo-responsive gelatin microspheres as delivery systems in triggered drug release. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 48-55.	4.3	78
12	Antioxidant multi-walled carbon nanotubes by free radical grafting of gallic acid: new materials for biomedical applications. Journal of Pharmacy and Pharmacology, 2011, 63, 179-188.	2.4	71
13	Enzyme immobilization on smart polymers: Catalysis on demand. Reactive and Functional Polymers, 2014, 83, 62-69.	4.1	70
14	Injectable Hydrogels for Cancer Therapy over the Last Decade. Pharmaceutics, 2019, 11, 486.	4.5	69
15	Hydrophobically Modified Keratin Vesicles for GSH-Responsive Intracellular Drug Release. Bioconjugate Chemistry, 2015, 26, 1900-1907.	3.6	54
16	Determination of biogenic amines in different cheese samples by LC with evaporative light scattering detector. Journal of Food Composition and Analysis, 2013, 29, 43-51.	3.9	53
17	Combining Carbon Nanotubes and Chitosan for the Vectorization of Methotrexate to Lung Cancer Cells. Materials, 2019, 12, 2889.	2.9	53
18	Starch-quercetin conjugate by radical grafting: synthesis and biological characterization. Pharmaceutical Development and Technology, 2012, 17, 466-476.	2.4	52

#	Article	IF	Citations
19	Synthesis of Methacrylicâ˜Ferulic Acid Copolymer with Antioxidant Properties by Single-Step Free Radical Polymerization. Journal of Agricultural and Food Chemistry, 2008, 56, 10646-10650.	5.2	48
20	Polyphenols delivery by polymeric materials: challenges in cancer treatment. Drug Delivery, 2017, 24, 162-180.	5.7	48
21	A new method for the determination of biogenic amines in cheese by LC with evaporative light scattering detector. Talanta, 2011, 85, 363-369.	5.5	47
22	Biodegradable gelatin-based nanospheres as pH-responsive drug delivery systems. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	46
23	pH/redox dual-sensitive dextran nanogels for enhanced intracellular drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 117, 324-332.	4.3	46
24	Molecularly imprinted polymers as drug delivery systems for the sustained release of glycyrrhizic acid. Journal of Pharmacy and Pharmacology, 2010, 62, 577-582.	2.4	45
25	Carbon nanotubes hybrid hydrogels for electrically tunable release of Curcumin. European Polymer Journal, 2017, 90, 1-12.	5.4	44
26	Surface modifications of molecularly imprinted polymers for improved template recognition in water media. Journal of Polymer Research, 2010, 17, 355-362.	2.4	43
27	Selective Determination of Melamine in Aqueous Medium by Molecularly Imprinted Solid Phase Extraction. Journal of Agricultural and Food Chemistry, 2010, 58, 11883-11887.	5.2	43
28	Tunable thermo-responsive hydrogels: Synthesis, structural analysis and drug release studies. Materials Science and Engineering C, 2015, 48, 499-510.	7.3	42
29	Albumin nanoparticles for glutathione-responsive release of cisplatin: New opportunities for medulloblastoma. International Journal of Pharmaceutics, 2017, 517, 168-174.	5.2	41
30	Molecularly Imprinted Polymers for Î±-Tocopherol Delivery. Drug Delivery, 2008, 15, 253-258.	5.7	39
31	Ferulic acid as a comonomer in the synthesis of a novel polymeric chain with biological properties. Journal of Applied Polymer Science, 2010, 115, 784-789.	2.6	37
32	Electro-responsive graphene oxide hydrogels for skin bandages: The outcome of gelatin and trypsin immobilization. International Journal of Pharmaceutics, 2018, 546, 50-60.	5.2	33
33	Graphene Oxide Functional Nanohybrids with Magnetic Nanoparticles for Improved Vectorization of Doxorubicin to Neuroblastoma Cells. Pharmaceutics, 2019, 11, 3.	4.5	33
34	Dextran-Curcumin Nanoparticles as a Methotrexate Delivery Vehicle: A Step Forward in Breast Cancer Combination Therapy. Pharmaceuticals, 2020, 13, 2.	3.8	33
35	Anticancer activity of a quercetin-based polymer towards HeLa cancer cells. Anticancer Research, 2012, 32, 2843-7.	1.1	32
36	Quercetin-Imprinted Nanospheres as Novel Drug Delivery Devices. Journal of Functional Biomaterials, 2012, 3, 269-282.	4.4	31

#	Article	IF	Citations
37	Magnetic Graphene Oxide Nanocarrier for Targeted Delivery of Cisplatin: A Perspective for Glioblastoma Treatment. Pharmaceuticals, 2019, 12, 76.	3.8	30
38	Polyphenol Conjugates by Immobilized Laccase: The Green Synthesis of Dextranâ€Catechin. Macromolecular Chemistry and Physics, 2016, 217, 1488-1492.	2.2	29
39	Recent Advances in the Synthesis and Biomedical Applications of Nanocomposite Hydrogels. Pharmaceutics, 2015, 7, 413-437.	4.5	28
40	Dual-Targeted Hyaluronic Acid/Albumin Micelle-Like Nanoparticles for the Vectorization of Doxorubicin. Pharmaceutics, 2021, 13, 304.	4.5	28
41	Negative Thermo-responsive Microspheres Based on Hydrolyzed Gelatin as Drug Delivery Device. AAPS PharmSciTech, 2010, 11, 652-662.	3.3	27
42	Self-assembling Dextran prodrug for redox- and pH-responsive co-delivery of therapeutics in cancer cells. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110537.	5.0	26
43	Doxorubicin synergism and resistance reversal in human neuroblastoma BE(2)C cell lines: An in vitro study with dextran-catechin nanohybrids. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 122, 176-185.	4.3	24
44	Antioxidant Activity of a Mediterranean Food Product: â€œFig Syrupâ€• Nutrients, 2011, 3, 317-329.	4.1	21
45	Chitosanâ€“Quercetin Bioconjugate as Multiâ€Functional Component of Antioxidants and Dualâ€Responsive Hydrogel Networks. Macromolecular Materials and Engineering, 2019, 304, 1800728.	3.6	20
46	Novel carbon nanotube composites by grafting reaction with water-compatible redox initiator system. Colloid and Polymer Science, 2013, 291, 699-708.	2.1	19
47	Natural Polysaccharide Carriers in Brain Delivery: Challenge and Perspective. Pharmaceutics, 2020, 12, 1183.	4.5	19
48	Antioxidant and spectroscopic studies of crosslinked polymers synthesized by grafting polymerization of ferulic acid. Polymers for Advanced Technologies, 2010, 21, 774-779.	3.2	18
49	Synthesis of Stimuli-Responsive Microgels for In Vitro Release of Diclofenac Diethyl Ammonium. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 823-844.	3.5	18
50	Synthesis of hydrophilic microspheres with LCST close to body temperature for controlled dualâ€sensitive drug release. Polymers for Advanced Technologies, 2011, 22, 1705-1712.	3.2	17
51	Ciprofloxacin-Collagen Conjugate in the Wound Healing Treatment. Journal of Functional Biomaterials, 2012, 3, 361-371.	4.4	17
52	Functional Gelatin-Carbon Nanotubes Nanohybrids With Enhanced Antibacterial Activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 439-447.	3.4	17
53	Poly(2-hydroxyethyl methacrylate)-quercetin Conjugate as Biomaterial in Ophthalmology: An â€œab initioâ€•Study. Journal of Functional Biomaterials, 2011, 2, 1-17.	4.4	16
54	Facile synthesis of pH-responsive polymersomes based on lipidized PEG for intracellular co-delivery of curcumin and methotrexate. Colloids and Surfaces B: Biointerfaces, 2018, 167, 568-576.	5.0	16

#	Article	IF	Citations
55	Combining antioxidant hydrogels with self-assembled microparticles for multifunctional wound dressings. Journal of Materials Chemistry B, 2019, 7, 4361-4370.	5.8	16
56	Alginate Bioconjugate and Graphene Oxide in Multifunctional Hydrogels for Versatile Biomedical Applications. Molecules, 2021, 26, 1355.	3.8	14
57	Polymeric Biomaterials for the Treatment of Cardiac Post-Infarction Injuries. Pharmaceutics, 2021, 13, 1038.	4.5	14
58	Gastro-intestinal sustained release of phytic acid by molecularly imprinted microparticles. Pharmaceutical Development and Technology, 2010, 15, 526-531.	2.4	13
59	Glucose cryoprotectant affects glutathione-responsive antitumor drug release from polysaccharide nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 281-292.	4.3	13
60	Functionalized Carbon Nanostructures Versus Drug Resistance: Promising Scenarios in Cancer Treatment. Molecules, 2020, 25, 2102.	3.8	13
61	Molecular imprinting polymerization by Fenton reaction. Colloid and Polymer Science, 2010, 288, 689-693.	2.1	12
62	Molecularly Imprinted Polymers (PIMs) in Biomedical Applications. , 0, , .		12
63	Carbon Nanohybrids as Electro-Responsive Drug Delivery Systems. Mini-Reviews in Medicinal Chemistry, 2016, 16, 658-667.	2.4	12
64	Thermoâ€responsive albumin hydrogels with LCST near the physiological temperature. Journal of Applied Polymer Science, 2011, 121, 342-351.	2.6	11
65	Hydrolyzed gelatin-based polymersomes as delivery devices of anticancer drugs. European Polymer Journal, 2015, 67, 304-313.	5.4	11
66	Combining Dextran Conjugates with Stimuli-Responsive and Folate-Targeting Activity: A New Class of Multifunctional Nanoparticles for Cancer Therapy. Nanomaterials, 2021, 11, 1108.	4.1	11
67	Flavonoids preservation and release by methacrylic acid-grafted (N-vinyl-pyrrolidone). Pharmaceutical Development and Technology, 2013, 18, 1058-1065.	2.4	10
68	Dextran-Curcumin Nanosystems Inhibit Cell Growth and Migration Regulating the Epithelial to Mesenchymal Transition in Prostate Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 7013.	4.1	10
69	Carbon Nanohorns as Effective Nanotherapeutics in Cancer Therapy. Journal of Carbon Research, 2021, 7, 3.	2.7	10
70	Smart Lipidâ€“Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 2386.	4.1	10
71	Stabilization of oxidable vitamins by flavonoid-based hydrogels. Reactive and Functional Polymers, 2013, 73, 1030-1037.	4.1	9
72	Curcumin and Graphene Oxide Incorporated into Alginate Hydrogels as Versatile Devices for the Local Treatment of Squamous Cell Carcinoma. Materials, 2022, 15, 1648.	2.9	9

#	Article	IF	Citations
73	When polymers meet carbon nanostructures: expanding horizons in cancer therapy. Future Medicinal Chemistry, 2019, 11, 2205-2231.	2.3	8
74	Cotton gauze-hydrogel composites: Valuable tools for electrically modulated drug delivery. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 442-450.	3.4	7
75	Encapsulation of Alpha-Lipoic Acid in Functional Hybrid Liposomes: Promising Tool for the Reduction of Cisplatin-Induced Ototoxicity. Pharmaceuticals, 2022, 15, 394.	3.8	7
76	Coated biodegradable casein nanospheres: a valuable tool for oral drug delivery. Drug Development and Industrial Pharmacy, 2015, 41, 2006-2017.	2.0	6
77	Flavonoid-based pH-responsive hydrogels as carrier of unstable drugs in oxidative conditions. Pharmaceutical Development and Technology, 2015, 20, 288-296.	2.4	6
78	Dual Stimuli Responsive Gelatinâ€CNT Hybrid Films as a Versatile Tool for the Delivery of Anionic Drugs. Macromolecular Materials and Engineering, 2016, 301, 1537-1547.	3.6	6
79	Carbon Nanotubes Hybrid Hydrogels for Environmental Remediation: Evaluation of Adsorption Efficiency under Electric Field. Molecules, 2021, 26, 7001.	3.8	5
80	GO-SWCNT Buckypapers as an Enhanced Technology for Water Decontamination from Lead. Molecules, 2022, 27, 4044.	3.8	5
81	Tailoring Flavonoidsâ€™ Antioxidant Properties Through Covalent Immobilization Into Dual Stimuli Responsive Polymers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 587-596.	3.4	4
82	Functional hydrogels with a multicatalytic activity for bioremediation: Singleâ€step preparation and characterization. Journal of Applied Polymer Science, 2016, 133, .	2.6	4
83	Functional Albumin Nanoformulations to Fight Adrenocortical Carcinoma: a Redox-Responsive Approach. Pharmaceutical Research, 2020, 37, 55.	3.5	4
84	Antioxidant Polymers for Food Packaging. , 2018, , 213-238.		3