

# Manuela Curcio

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

3,650  
citations

136740

32  
h-index

138251

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. <i>Food Control</i> , 2010, 21, 1425-1435.	2.8	379
2	Covalent Insertion of Antioxidant Molecules on Chitosan by a Free Radical Grafting Procedure. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5933-5938.	2.4	328
3	Polymer in Agriculture: a Review. <i>American Journal of Agricultural and Biological Science</i> , 2008, 3, 299-314.	0.9	224
4	Synthesis of Antioxidant Polymers by Grafting of Gallic Acid and Catechin on Gelatin. <i>Biomacromolecules</i> , 2009, 10, 1923-1930.	2.6	185
5	Molecularly imprinted polymers in drug delivery: state of art and future perspectives. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 1379-1393.	2.4	130
6	Antioxidant polysaccharide conjugates for food application by eco-friendly grafting procedure. <i>Carbohydrate Polymers</i> , 2010, 79, 333-340.	5.1	123
7	New restricted access materials combined to molecularly imprinted polymers for selective recognition/release in water media. <i>European Polymer Journal</i> , 2009, 45, 1634-1640.	2.6	115
8	Polyphenol Conjugates and Human Health: A Perspective Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 326-337.	5.4	95
9	Molecularly imprinted polymers for the selective extraction of glycyrrhizic acid from liquorice roots. <i>Food Chemistry</i> , 2011, 125, 1058-1063.	4.2	90
10	Biological Activity of a Gallic Acid-Gelatin Conjugate. <i>Biomacromolecules</i> , 2010, 11, 3309-3315.	2.6	79
11	Grafted thermo-responsive gelatin microspheres as delivery systems in triggered drug release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 48-55.	2.0	78
12	Antioxidant multi-walled carbon nanotubes by free radical grafting of gallic acid: new materials for biomedical applications. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 179-188.	1.2	71
13	Enzyme immobilization on smart polymers: Catalysis on demand. <i>Reactive and Functional Polymers</i> , 2014, 83, 62-69.	2.0	70
14	Injectable Hydrogels for Cancer Therapy over the Last Decade. <i>Pharmaceutics</i> , 2019, 11, 486.	2.0	69
15	Hydrophobically Modified Keratin Vesicles for GSH-Responsive Intracellular Drug Release. <i>Bioconjugate Chemistry</i> , 2015, 26, 1900-1907.	1.8	54
16	Determination of biogenic amines in different cheese samples by LC with evaporative light scattering detector. <i>Journal of Food Composition and Analysis</i> , 2013, 29, 43-51.	1.9	53
17	Combining Carbon Nanotubes and Chitosan for the Vectorization of Methotrexate to Lung Cancer Cells. <i>Materials</i> , 2019, 12, 2889.	1.3	53
18	Starch-quercetin conjugate by radical grafting: synthesis and biological characterization. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 466-476.	1.1	52

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19	Synthesis of Methacrylic- $\alpha$ -Ferulic Acid Copolymer with Antioxidant Properties by Single-Step Free Radical Polymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10646-10650.	2.4	48
20	Polyphenols delivery by polymeric materials: challenges in cancer treatment. <i>Drug Delivery</i> , 2017, 24, 162-180.	2.5	48
21	A new method for the determination of biogenic amines in cheese by LC with evaporative light scattering detector. <i>Talanta</i> , 2011, 85, 363-369.	2.9	47
22	Biodegradable gelatin-based nanospheres as pH-responsive drug delivery systems. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	46
23	pH/redox dual-sensitive dextran nanogels for enhanced intracellular drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 324-332.	2.0	46
24	Molecularly imprinted polymers as drug delivery systems for the sustained release of glycyrrhizic acid. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 577-582.	1.2	45
25	Carbon nanotubes hybrid hydrogels for electrically tunable release of Curcumin. <i>European Polymer Journal</i> , 2017, 90, 1-12.	2.6	44
26	Surface modifications of molecularly imprinted polymers for improved template recognition in water media. <i>Journal of Polymer Research</i> , 2010, 17, 355-362.	1.2	43
27	Selective Determination of Melamine in Aqueous Medium by Molecularly Imprinted Solid Phase Extraction. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11883-11887.	2.4	43
28	Tunable thermo-responsive hydrogels: Synthesis, structural analysis and drug release studies. <i>Materials Science and Engineering C</i> , 2015, 48, 499-510.	3.8	42
29	Albumin nanoparticles for glutathione-responsive release of cisplatin: New opportunities for medulloblastoma. <i>International Journal of Pharmaceutics</i> , 2017, 517, 168-174.	2.6	41
30	Molecularly Imprinted Polymers for $\alpha$ -Tocopherol Delivery. <i>Drug Delivery</i> , 2008, 15, 253-258.	2.5	39
31	Ferulic acid as a comonomer in the synthesis of a novel polymeric chain with biological properties. <i>Journal of Applied Polymer Science</i> , 2010, 115, 784-789.	1.3	37
32	Electro-responsive graphene oxide hydrogels for skin bandages: The outcome of gelatin and trypsin immobilization. <i>International Journal of Pharmaceutics</i> , 2018, 546, 50-60.	2.6	33
33	Graphene Oxide Functional Nanohybrids with Magnetic Nanoparticles for Improved Vectorization of Doxorubicin to Neuroblastoma Cells. <i>Pharmaceutics</i> , 2019, 11, 3.	2.0	33
34	Dextran-Curcumin Nanoparticles as a Methotrexate Delivery Vehicle: A Step Forward in Breast Cancer Combination Therapy. <i>Pharmaceutics</i> , 2020, 13, 2.	1.7	33
35	Anticancer activity of a quercetin-based polymer towards HeLa cancer cells. <i>Anticancer Research</i> , 2012, 32, 2843-7.	0.5	32
36	Quercetin-Imprinted Nanospheres as Novel Drug Delivery Devices. <i>Journal of Functional Biomaterials</i> , 2012, 3, 269-282.	1.8	31

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37	Magnetic Graphene Oxide Nanocarrier for Targeted Delivery of Cisplatin: A Perspective for Glioblastoma Treatment. <i>Pharmaceuticals</i> , 2019, 12, 76.	1.7	30
38	Polyphenol Conjugates by Immobilized Laccase: The Green Synthesis of Dextran-Quercetin. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1488-1492.	1.1	29
39	Recent Advances in the Synthesis and Biomedical Applications of Nanocomposite Hydrogels. <i>Pharmaceutics</i> , 2015, 7, 413-437.	2.0	28
40	Dual-Targeted Hyaluronic Acid/Albumin Micelle-Like Nanoparticles for the Vectorization of Doxorubicin. <i>Pharmaceutics</i> , 2021, 13, 304.	2.0	28
41	Negative Thermo-responsive Microspheres Based on Hydrolyzed Gelatin as Drug Delivery Device. <i>AAPS PharmSciTech</i> , 2010, 11, 652-662.	1.5	27
42	Self-assembling Dextran prodrug for redox- and pH-responsive co-delivery of therapeutics in cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110537.	2.5	26
43	Doxorubicin synergism and resistance reversal in human neuroblastoma BE(2)C cell lines: An in vitro study with dextran-quercetin nanohybrids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 122, 176-185.	2.0	24
44	Antioxidant Activity of a Mediterranean Food Product: Fig Syrup. <i>Nutrients</i> , 2011, 3, 317-329.	1.7	21
45	Chitosan-Quercetin Bioconjugate as Multifunctional Component of Antioxidants and Dual-Responsive Hydrogel Networks. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800728.	1.7	20
46	Novel carbon nanotube composites by grafting reaction with water-compatible redox initiator system. <i>Colloid and Polymer Science</i> , 2013, 291, 699-708.	1.0	19
47	Natural Polysaccharide Carriers in Brain Delivery: Challenge and Perspective. <i>Pharmaceutics</i> , 2020, 12, 1183.	2.0	19
48	Antioxidant and spectroscopic studies of crosslinked polymers synthesized by grafting polymerization of ferulic acid. <i>Polymers for Advanced Technologies</i> , 2010, 21, 774-779.	1.6	18
49	Synthesis of Stimuli-Responsive Microgels for In Vitro Release of Diclofenac Diethyl Ammonium. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 823-844.	1.9	18
50	Synthesis of hydrophilic microspheres with LCST close to body temperature for controlled dual-sensitive drug release. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1705-1712.	1.6	17
51	Ciprofloxacin-Collagen Conjugate in the Wound Healing Treatment. <i>Journal of Functional Biomaterials</i> , 2012, 3, 361-371.	1.8	17
52	Functional Gelatin-Carbon Nanotubes Nanohybrids With Enhanced Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 439-447.	1.8	17
53	Poly(2-hydroxyethyl methacrylate)-quercetin Conjugate as Biomaterial in Ophthalmology: An In Vitro Study. <i>Journal of Functional Biomaterials</i> , 2011, 2, 1-17.	1.8	16
54	Facile synthesis of pH-responsive polymersomes based on lipidized PEG for intracellular co-delivery of curcumin and methotrexate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 568-576.	2.5	16

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55	Combining antioxidant hydrogels with self-assembled microparticles for multifunctional wound dressings. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4361-4370.	2.9	16
56	Alginate Bioconjugate and Graphene Oxide in Multifunctional Hydrogels for Versatile Biomedical Applications. <i>Molecules</i> , 2021, 26, 1355.	1.7	14
57	Polymeric Biomaterials for the Treatment of Cardiac Post-Infarction Injuries. <i>Pharmaceutics</i> , 2021, 13, 1038.	2.0	14
58	Gastro-intestinal sustained release of phytic acid by molecularly imprinted microparticles. <i>Pharmaceutical Development and Technology</i> , 2010, 15, 526-531.	1.1	13
59	Glucose cryoprotectant affects glutathione-responsive antitumor drug release from polysaccharide nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 281-292.	2.0	13
60	Functionalized Carbon Nanostructures Versus Drug Resistance: Promising Scenarios in Cancer Treatment. <i>Molecules</i> , 2020, 25, 2102.	1.7	13
61	Molecular imprinting polymerization by Fenton reaction. <i>Colloid and Polymer Science</i> , 2010, 288, 689-693.	1.0	12
62	Molecularly Imprinted Polymers (PIMs) in Biomedical Applications. , 0, , .		12
63	Carbon Nanohybrids as Electro-Responsive Drug Delivery Systems. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 658-667.	1.1	12
64	Thermo-responsive albumin hydrogels with LCST near the physiological temperature. <i>Journal of Applied Polymer Science</i> , 2011, 121, 342-351.	1.3	11
65	Hydrolyzed gelatin-based polymersomes as delivery devices of anticancer drugs. <i>European Polymer Journal</i> , 2015, 67, 304-313.	2.6	11
66	Combining Dextran Conjugates with Stimuli-Responsive and Folate-Targeting Activity: A New Class of Multifunctional Nanoparticles for Cancer Therapy. <i>Nanomaterials</i> , 2021, 11, 1108.	1.9	11
67	Flavonoids preservation and release by methacrylic acid-grafted (N-vinyl-pyrrolidone). <i>Pharmaceutical Development and Technology</i> , 2013, 18, 1058-1065.	1.1	10
68	Dextran-Curcumin Nanosystems Inhibit Cell Growth and Migration Regulating the Epithelial to Mesenchymal Transition in Prostate Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7013.	1.8	10
69	Carbon Nanohorns as Effective Nanotherapeutics in Cancer Therapy. <i>Journal of Carbon Research</i> , 2021, 7, 3.	1.4	10
70	Smart Lipid- Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2386.	1.8	10
71	Stabilization of oxidable vitamins by flavonoid-based hydrogels. <i>Reactive and Functional Polymers</i> , 2013, 73, 1030-1037.	2.0	9
72	Curcumin and Graphene Oxide Incorporated into Alginate Hydrogels as Versatile Devices for the Local Treatment of Squamous Cell Carcinoma. <i>Materials</i> , 2022, 15, 1648.	1.3	9

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73	When polymers meet carbon nanostructures: expanding horizons in cancer therapy. <i>Future Medicinal Chemistry</i> , 2019, 11, 2205-2231.	1.1	8
74	Cotton gauze-hydrogel composites: Valuable tools for electrically modulated drug delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 442-450.	1.8	7
75	Encapsulation of Alpha-Lipoic Acid in Functional Hybrid Liposomes: Promising Tool for the Reduction of Cisplatin-Induced Ototoxicity. <i>Pharmaceuticals</i> , 2022, 15, 394.	1.7	7
76	Coated biodegradable casein nanospheres: a valuable tool for oral drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 2006-2017.	0.9	6
77	Flavonoid-based pH-responsive hydrogels as carrier of unstable drugs in oxidative conditions. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 288-296.	1.1	6
78	Dual Stimuli Responsive Gelatin@CNT Hybrid Films as a Versatile Tool for the Delivery of Anionic Drugs. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1537-1547.	1.7	6
79	Carbon Nanotubes Hybrid Hydrogels for Environmental Remediation: Evaluation of Adsorption Efficiency under Electric Field. <i>Molecules</i> , 2021, 26, 7001.	1.7	5
80	GO-SWCNT Buckypapers as an Enhanced Technology for Water Decontamination from Lead. <i>Molecules</i> , 2022, 27, 4044.	1.7	5
81	Tailoring Flavonoids' Antioxidant Properties Through Covalent Immobilization Into Dual Stimuli Responsive Polymers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 587-596.	1.8	4
82	Functional hydrogels with a multicatalytic activity for bioremediation: Single-step preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	4
83	Functional Albumin Nanoformulations to Fight Adrenocortical Carcinoma: a Redox-Responsive Approach. <i>Pharmaceutical Research</i> , 2020, 37, 55.	1.7	4
84	Antioxidant Polymers for Food Packaging. , 2018, , 213-238.		3