Giuseppe Cirillo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6985117/publications.pdf

Version: 2024-02-01

130	5,366	71102	95266
papers	citations	41 h-index	68 g-index

138	138	138	6623
all docs	docs citations	times ranked	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	Intratumoral Copper Modulates PD-L1 Expression and Influences Tumor Immune Evasion. Cancer Research, 2020, 80, 4129-4144.	0.9	179
6	Molecularly imprinted polymers in drug delivery: state of art and future perspectives. Expert Opinion on Drug Delivery, 2011, 8, 1379-1393.	5.0	130
7	Antioxidantâ€“polysaccharide conjugates for food application by eco-friendly grafting procedure. Carbohydrate Polymers, 2010, 79, 333-340.	10.2	123
8	Carbon Nanotubes Hybrid Hydrogels in Drug Delivery: A Perspective Review. BioMed Research International, 2014, 2014, 1-17.	1.9	123
9	Enhancing the therapeutic effects of polyphenols with macromolecules. Polymer Chemistry, 2016, 7, 1529-1544.	3.9	120
10	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
11	Molecularly imprinted solid phase extraction for the selective HPLC determination of Î±-tocopherol in bay leaves. Analytica Chimica Acta, 2007, 593, 164-170.	5.4	105
12	Polyphenol Conjugates and Human Health: A Perspective Review. Critical Reviews in Food Science and Nutrition, 2016, 56, 326-337.	10.3	95
13	Molecularly imprinted solid-phase extraction for cholesterol determination in cheese products. Food Chemistry, 2008, 106, 836-842.	8.2	91
14	Molecularly imprinted polymers for the selective extraction of glycyrrhizic acid from liquorice roots. Food Chemistry, 2011, 125, 1058-1063.	8.2	90
15	Nanoparticles for radiooncology: Mission, vision, challenges. Biomaterials, 2017, 120, 155-184.	11.4	87
16	Imprinted hydrophilic nanospheres as drug delivery systems for 5-fluorouracil sustained release. Journal of Drug Targeting, 2009, 17, 72-77.	4.4	85
17	Spherical gelatin/CNTs hybrid microgels as electro-responsive drug delivery systems. International Journal of Pharmaceutics, 2013, 448, 115-122.	5.2	80
18	Biological Activity of a Gallic Acidâ€”Gelatin Conjugate. Biomacromolecules, 2010, 11, 3309-3315.	5.4	79

#	Article	IF	Citations
19	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
20	Dextran-Catechin Conjugate: A Potential Treatment Against the Pancreatic Ductal Adenocarcinoma. Pharmaceutical Research, 2012, 29, 2601-2614.	3.5	78
21	Graphene oxide-based drug delivery vehicles: functionalization, characterization, and cytotoxicity evaluation. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	73
22	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
23	Enzyme immobilization on smart polymers: Catalysis on demand. Reactive and Functional Polymers, 2014, 83, 62-69.	4.1	70
24	Injectable Hydrogels for Cancer Therapy over the Last Decade. Pharmaceutics, 2019, 11, 486.	4.5	69
25	Molecularly Imprinted Polymers for 5-Fluorouracil Release in Biological Fluids. Molecules, 2007, 12, 805-814.	3.8	66
26	Incorporation of carbon nanotubes into a gelatinâ€“catechin conjugate: Innovative approach for the preparation of anticancer materials. International Journal of Pharmaceutics, 2013, 446, 176-182.	5.2	54
27	Combining Carbon Nanotubes and Chitosan for the Vectorization of Methotrexate to Lung Cancer Cells. Materials, 2019, 12, 2889.	2.9	53
28	Starch-quercetin conjugate by radical grafting: synthesis and biological characterization. Pharmaceutical Development and Technology, 2012, 17, 466-476.	2.4	52
29	Removal of metal ions from aqueous solution by chelating polymeric microspheres bearing phytic acid derivatives. European Polymer Journal, 2008, 44, 1183-1190.	5.4	51
30	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
31	Polyphenols delivery by polymeric materials: challenges in cancer treatment. Drug Delivery, 2017, 24, 162-180.	5.7	48
32	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
33	Biodegradable gelatin-based nanospheres as pH-responsive drug delivery systems. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	46
34	pH/redox dual-sensitive dextran nanogels for enhanced intracellular drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 117, 324-332.	4.3	46
35	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
36	Brewing effect on levels of biogenic amines in different coffee samples as determined by LC-UV. Food Chemistry, 2015, 175, 143-150.	8.2	45

#	Article	IF	Citations
37	Carbon nanotubes hybrid hydrogels for electrically tunable release of Curcumin. European Polymer Journal, 2017, 90, 1-12.	5.4	44
38	Surface modifications of molecularly imprinted polymers for improved template recognition in water media. Journal of Polymer Research, 2010, 17, 355-362.	2.4	43
39	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
40	Copper: An Intracellular Achillesâ€™ Heel Allowing the Targeting of Epigenetics, Kinase Pathways, and Cell Metabolism in Cancer Therapeutics. ChemMedChem, 2021, 16, 2315-2329.	3.2	43
41	Quercetin nanocomposite as novel anticancer therapeutic: Improved efficiency and reduced toxicity. European Journal of Pharmaceutical Sciences, 2013, 49, 359-365.	4.0	42
42	Tunable thermo-responsive hydrogels: Synthesis, structural analysis and drug release studies. Materials Science and Engineering C, 2015, 48, 499-510.	7.3	42
43	Determination of Phospholipids in Food Samples. Food Reviews International, 2012, 28, 1-46.	8.4	41
44	Albumin nanoparticles for glutathione-responsive release of cisplatin: New opportunities for medulloblastoma. International Journal of Pharmaceutics, 2017, 517, 168-174.	5.2	41
45	Dextran-Catechin: An anticancer chemically-modified natural compound targeting copper that attenuates neuroblastoma growth. Oncotarget, 2016, 7, 47479-47493.	1.8	40
46	Molecularly Imprinted Polymers for Î±-Tocopherol Delivery. Drug Delivery, 2008, 15, 253-258.	5.7	39
47	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
48	Magnetic catechinâ€“dextran conjugate as targeted therapeutic for pancreatic tumour cells. Journal of Drug Targeting, 2014, 22, 408-415.	4.4	37
49	Synthesis and release profile analysis of thermo-sensitive albumin hydrogels. Colloid and Polymer Science, 2009, 287, 779-787.	2.1	35
50	Selective extraction and purification of gallic acid from actual site olive mill wastewaters by means of molecularly imprinted microparticles. Chemical Engineering Journal, 2012, 198-199, 529-535.	12.7	35
51	A catechin nanoformulation inhibits WM266 melanoma cell proliferation, migration and associated neo-angiogenesis. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 114, 1-10.	4.3	35
52	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
53	Graphene Oxide Functional Nanohybrids with Magnetic Nanoparticles for Improved Vectorization of Doxorubicin to Neuroblastoma Cells. Pharmaceutics, 2019, 11, 3.	4.5	33
54	Dextran-Curcumin Nanoparticles as a Methotrexate Delivery Vehicle: A Step Forward in Breast Cancer Combination Therapy. Pharmaceuticals, 2020, 13, 2.	3.8	33

#	Article	IF	Citations
55	Anticancer activity of a quercetin-based polymer towards HeLa cancer cells. Anticancer Research, 2012, 32, 2843-7.	1.1	32
56	Quercetin-Imprinted Nanospheres as Novel Drug Delivery Devices. Journal of Functional Biomaterials, 2012, 3, 269-282.	4.4	31
57	On demand delivery of ionic drugs from electro-responsive CNT hybrid films. RSC Advances, 2015, 5, 44902-44911.	3.6	31
58	Magnetic Graphene Oxide Nanocarrier for Targeted Delivery of Cisplatin: A Perspective for Glioblastoma Treatment. Pharmaceuticals, 2019, 12, 76.	3.8	30
59	Development of novel radiochemotherapy approaches targeting prostate tumor progenitor cells using nanohybrids. International Journal of Cancer, 2015, 137, 2492-2503.	5.1	29
60	Polyphenol Conjugates by Immobilized Laccase: The Green Synthesis of Dextranâ€Catechin. Macromolecular Chemistry and Physics, 2016, 217, 1488-1492.	2.2	29
61	Recent Advances in the Synthesis and Biomedical Applications of Nanocomposite Hydrogels. Pharmaceutics, 2015, 7, 413-437.	4.5	28
62	Dual-Targeted Hyaluronic Acid/Albumin Micelle-Like Nanoparticles for the Vectorization of Doxorubicin. Pharmaceutics, 2021, 13, 304.	4.5	28
63	Negative Thermo-responsive Microspheres Based on Hydrolyzed Gelatin as Drug Delivery Device. AAPS PharmSciTech, 2010, 11, 652-662.	3.3	27
64	Dextran-Catechin inhibits angiogenesis by disrupting copper homeostasis in endothelial cells. Scientific Reports, 2017, 7, 7638.	3.3	26
65	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
66	Size-dependent nanographene oxide as a platform for efficient carboplatin release. Journal of Materials Chemistry B, 2013, 1, 6107.	5.8	24
67	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
68	Imprinted microspheres doped with carbon nanotubes as novel electroresponsive drugâ€delivery systems. Journal of Applied Polymer Science, 2013, 130, 829-834.	2.6	21
69	Antioxidant Activity of a Mediterranean Food Product: â€œFig Syrupâ€. Nutrients, 2011, 3, 317-329.	4.1	21
70	Novel functional cisplatin carrier based on carbon nanotubesâ€“quercetin nanohybrid induces synergistic anticancer activity against neuroblastoma in vitro. RSC Advances, 2014, 4, 31378.	3.6	20
71	Graphene Oxide - Gelatin Nanohybrids as Functional Tools for Enhanced Carboplatin Activity in Neuroblastoma Cells. Pharmaceutical Research, 2015, 32, 2132-2143.	3.5	20
72	Chitosanâ€“Quercetin Bioconjugate as Multiâ€Functional Component of Antioxidants and Dualâ€Responsive Hydrogel Networks. Macromolecular Materials and Engineering, 2019, 304, 1800728.	3.6	20

#	Article	IF	Citations
73	Novel carbon nanotube composites by grafting reaction with water-compatible redox initiator system. Colloid and Polymer Science, 2013, 291, 699-708.	2.1	19
74	Natural Polysaccharide Carriers in Brain Delivery: Challenge and Perspective. Pharmaceutics, 2020, 12, 1183.	4.5	19
75	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
76	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
77	In vivo [64Cu]CuCl2 PET imaging reveals activity of Dextran-Catechin on tumor copper homeostasis. Theranostics, 2018, 8, 5645-5659.	10.0	18
78	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
79	Ciprofloxacin-Collagen Conjugate in the Wound Healing Treatment. Journal of Functional Biomaterials, 2012, 3, 361-371.	4.4	17
80	Functional Gelatin-Carbon Nanotubes Nanohybrids With Enhanced Antibacterial Activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 439-447.	3.4	17
81	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
82	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
83	Combining antioxidant hydrogels with self-assembled microparticles for multifunctional wound dressings. Journal of Materials Chemistry B, 2019, 7, 4361-4370.	5.8	16
84	Recent Development in the Synthesis of Eco-Friendly Polymeric Antioxidants. Current Organic Chemistry, 2014, 18, 2912-2927.	1.6	15
85	Synthesis and Antioxidant Efficiency of a New Copolymer Containing Phosphorylated Myo-Inositol. Macromolecular Bioscience, 2005, 5, 1049-1056.	4.1	14
86	Iron (III) chelation and antioxidant properties of myo-inositol phosphorylated polymeric microspheresâ€. Journal of Pharmacy and Pharmacology, 2010, 59, 597-601.	2.4	14
87	Alginate Bioconjugate and Graphene Oxide in Multifunctional Hydrogels for Versatile Biomedical Applications. Molecules, 2021, 26, 1355.	3.8	14
88	Polymeric Biomaterials for the Treatment of Cardiac Post-Infarction Injuries. Pharmaceutics, 2021, 13, 1038.	4.5	14
89	Gastro-intestinal sustained release of phytic acid by molecularly imprinted microparticles. Pharmaceutical Development and Technology, 2010, 15, 526-531.	2.4	13
90	Functionalized Carbon Nanostructures Versus Drug Resistance: Promising Scenarios in Cancer Treatment. Molecules, 2020, 25, 2102.	3.8	13

#	Article	IF	Citations
91	Molecular imprinting polymerization by Fenton reaction. Colloid and Polymer Science, 2010, 288, 689-693.	2.1	12
92	Carbon Nanohybrids as Electro-Responsive Drug Delivery Systems. Mini-Reviews in Medicinal Chemistry, 2016, 16, 658-667.	2.4	12
93	Thermoâ€responsive albumin hydrogels with LCST near the physiological temperature. Journal of Applied Polymer Science, 2011, 121, 342-351.	2.6	11
94	Hydrolyzed gelatin-based polymersomes as delivery devices of anticancer drugs. European Polymer Journal, 2015, 67, 304-313.	5.4	11
95	Doxorubicin-Loaded Gold Nanoarchitectures as a Therapeutic Strategy against Diffuse Intrinsic Pontine Glioma. Cancers, 2021, 13, 1278.	3.7	11
96	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
97	Flavonoids preservation and release by methacrylic acid-grafted (N-vinyl-pyrrolidone). Pharmaceutical Development and Technology, 2013, 18, 1058-1065.	2.4	10
98	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
99	Carbon Nanohorns as Effective Nanotherapeutics in Cancer Therapy. Journal of Carbon Research, 2021, 7, 3.	2.7	10
100	Smart Lipidâ€“Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 2386.	4.1	10
101	Temperature-sensitive hydrogels by graft polymerization of chitosan and N-isopropylacrylamide for drug release. Pharmaceutical Development and Technology, 2013, 18, 1026-1034.	2.4	9
102	Stabilization of oxidable vitamins by flavonoid-based hydrogels. Reactive and Functional Polymers, 2013, 73, 1030-1037.	4.1	9
103	Functionalized carbon nanotubes as transporters for antisense oligodeoxynucleotides. Journal of Materials Chemistry B, 2014, 2, 7000-7008.	5.8	9
104	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
105	Synthesis of Dextranâ€“Phenoxodiol and Evaluation of Its Physical Stability and Biological Activity. Frontiers in Bioengineering and Biotechnology, 2019, 7, 183.	4.1	8
106	When polymers meet carbon nanostructures: expanding horizons in cancer therapy. Future Medicinal Chemistry, 2019, 11, 2205-2231.	2.3	8
107	Synthesis, characterization and antimicrobial activity of conjugates based on fluoroquinolon-type antibiotics and gelatin. Journal of Materials Science: Materials in Medicine, 2014, 25, 67-77.	3.6	7
108	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

#	Article	IF	Citations
109	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
110	A new member of the oxygen-photosensitizers family: a water-soluble polymer binding a platinum complex. Dalton Transactions, 2012, 41, 10923.	3.3	6
111	Coated biodegradable casein nanospheres: a valuable tool for oral drug delivery. Drug Development and Industrial Pharmacy, 2015, 41, 2006-2017.	2.0	6
112	Flavonoid-based pH-responsive hydrogels as carrier of unstable drugs in oxidative conditions. Pharmaceutical Development and Technology, 2015, 20, 288-296.	2.4	6
113	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
114	Carbon Nanotubes Hybrid Hydrogels for Environmental Remediation: Evaluation of Adsorption Efficiency under Electric Field. Molecules, 2021, 26, 7001.	3.8	5
115	GO-SWCNT Buckypapers as an Enhanced Technology for Water Decontamination from Lead. Molecules, 2022, 27, 4044.	3.8	5
116	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
117	Functional hydrogels with a multicatalytic activity for bioremediation: Singleâ€step preparation and characterization. Journal of Applied Polymer Science, 2016, 133, .	2.6	4
118	Functional Albumin Nanoformulations to Fight Adrenocortical Carcinoma: a Redox-Responsive Approach. Pharmaceutical Research, 2020, 37, 55.	3.5	4
119	Tubeless biochip for chemical stimulation of cells in closed-bioreactors: anti-cancer activity of the catechinâ€“dextran conjugate. RSC Advances, 2014, 4, 35017-35026.	3.6	3
120	Antioxidant Polymers for Food Packaging. , 2018, , 213-238.		3
121	Carbon Nanotubes â€“ Imprinted Polymers: Hybrid Materials for Analytical Applications. , 2012, , .		2
122	Harnessing copper in cancer to enhance anti-tumor immune response. Annals of Oncology, 2018, 29, x35.	1.2	2
123	Molecularly Imprinted Polymers for Selective Adsorption of Cholesterol from Aqueous Environment. E-Polymers, 2007, 7, .	3.0	1
124	Selective recognition of methotrexate by molecularly imprinted polymers. E-Polymers, 2009, 9, .	3.0	1
125	Antioxidative Effectiveness of Environment Friendly Functional Biopolymers for Food Applications. , 2014, , 65-74.		1
126	The â€œMaterials Chemistryâ€•Section of Molecules: A Multidisciplinary Environment for Materials-Based Researches. Molecules, 2020, 25, 6035.	3.8	0

#	Article	IF	Citations
127	Hydrogels: Multi-Responsive Biomedical Devices. , 0, , 3970-3993.		0
128	Abstract 1340: Dextran-Catechin conjugate: An anticancer nano-modified natural compound targeting copper metabolism in neuroblastoma. , 2016, , .		0
129	Hydrogels: Multi-Responsive Biomedical Devices. , 2017, , 699-722.		0
130	Abstract 3224: Copper homeostasis: A new player in anti-tumor immune response. , 2019, , .		0