

Giovanna Della Porta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3078016/publications.pdf>

Version: 2024-02-01

117
papers

4,818
citations

71102

41
h-index

118850

62
g-index

120
all docs

120
docs citations

120
times ranked

3581
citing authors

#	ARTICLE	IF	CITATIONS
1	Myogenic commitment of human stem cells by myoblasts Co-culture: a static vs. a dynamic approach. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2022, 50, 49-58.	2.8	7
2	Electrospun Membranes Designed for Burst Release of New Gold-Complexes Inducing Apoptosis of Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7147.	4.1	10
3	Editorial: Special Issue Development of Micro and Nano Systems for the Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 1440.	4.5	1
4	Lipid nano-vesicles for thyroid hormone encapsulation: A comparison between different fabrication technologies, drug loading, and an in vitro delivery to human tendon stem/progenitor cells in 2D and 3D culture. <i>International Journal of Pharmaceutics</i> , 2022, 624, 122007.	5.2	14
5	Supercritical emulsion extraction fabricated PLA/PLGA micro/nano carriers for growth factor delivery: Release profiles and cytotoxicity. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120108.	5.2	24
6	Amnion-Derived Teno-Inductive Secretomes: A Novel Approach to Foster Tendon Differentiation and Regeneration in an Ovine Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 649288.	4.1	19
7	Chondrogenic Commitment of Human Bone Marrow Mesenchymal Stem Cells in a Perfused Collagen Hydrogel Functionalized with hTGF- β 1-Releasing PLGA Microcarrier. <i>Pharmaceutics</i> , 2021, 13, 399.	4.5	36
8	3D Biomimetic Scaffold for Growth Factor Controlled Delivery: An In-Vitro Study of Tenogenic Events on Wharton's Jelly Mesenchymal Stem Cells. <i>Pharmaceutics</i> , 2021, 13, 1448.	4.5	20
9	Stem Cell and Macrophage Roles in Skeletal Muscle Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10867.	4.1	23
10	Editorial: Challenges and Solutions in the Production of Advanced Nanostructured Biomaterials for Medical Applications. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	3
11	In Vitro Innovation of Tendon Tissue Engineering Strategies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6726.	4.1	39
12	Encapsulation of health-monitoring agent in poly-methyl-methacrylate microcapsules using supercritical emulsion extraction. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 287-299.	5.8	11
13	Dose-Response Tendon-Specific Markers Induction by Growth Differentiation Factor-5 in Human Bone Marrow and Umbilical Cord Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5905.	4.1	18
14	Liposomes for Intra-Articular Analgesic Drug Delivery in Orthopedics: State-of-Art and Future Perspectives. Insights from a Systematic Mini-Review of the Literature. <i>Medicina (Lithuania)</i> , 2020, 56, 423.	2.0	7
15	Corrigendum to: Biomechanical issues of tissue-engineered constructs for articular cartilage regeneration: in vitro and in vivo approaches. <i>British Medical Bulletin</i> , 2020, , .	6.9	1
16	Therapeutic potential of microRNA in tendon injuries. <i>British Medical Bulletin</i> , 2020, 133, 79-94.	6.9	116
17	Deminerlized bone matrix paste formulated with biomimetic PLGA microcarriers for the vancomycin hydrochloride controlled delivery: Release profile, citotoxicity and efficacy against <i>S. aureus</i> . <i>International Journal of Pharmaceutics</i> , 2020, 582, 119322.	5.2	15
18	Tendon and Cytokine Marker Expression by Human Bone Marrow Mesenchymal Stem Cells in a Hyaluronate/Poly-Lactic-Co-Glycolic Acid (PLGA)/Fibrin Three-Dimensional (3D) Scaffold. <i>Cells</i> , 2020, 9, 1268.	4.1	47

#	ARTICLE	IF	CITATIONS
19	Corrigendum to: MicroRNA in osteoarthritis: physiopathology, diagnosis and therapeutic challenge. British Medical Bulletin, 2019, , .	6.9	3
20	A bioavailability study on microbeads and nanoliposomes fabricated by dense carbon dioxide technologies using human-primary monocytes and flow cytometry assay. International Journal of Pharmaceutics, 2019, 570, 118686.	5.2	18
21	Î²-Carotene, Î±-tocopherol and rosmarinic acid encapsulated within PLA/PLGA microcarriers by supercritical emulsion extraction: Encapsulation efficiency, drugs shelf-life and antioxidant activity. Journal of Supercritical Fluids, 2019, 146, 199-207.	3.2	36
22	MicroRNA in osteoarthritis: physiopathology, diagnosis and therapeutic challenge. British Medical Bulletin, 2019, 130, 137-147.	6.9	136
23	Astaxanthin encapsulation in ethyl cellulose carriers by continuous supercritical emulsions extraction: A study on particle size, encapsulation efficiency, release profile and antioxidant activity. Journal of Supercritical Fluids, 2019, 150, 128-136.	3.2	41
24	Growth factor sustained delivery from poly(L-lactide-co-glycolic acid) microcarriers and its mass transfer modeling by finite element in a dynamic and static three-dimensional environment bioengineered with stem cells. Biotechnology and Bioengineering, 2019, 116, 1777-1794.	3.3	11
25	Biomechanical issues of tissue-engineered constructs for articular cartilage regeneration: in vitro and in vivo approaches. British Medical Bulletin, 2019, 132, 53-80.	6.9	18
26	Modular Tissue Engineering: An Artificial Extracellular Matrix to Address and Stimulate Regeneration/Differentiation. Pancreatic Islet Biology, 2018, , 191-210.	0.3	0
27	Concentrated oleuropein powder from olive leaves using alcoholic extraction and supercritical CO ₂ assisted extraction. Journal of Supercritical Fluids, 2018, 133, 65-69.	3.2	52
28	Microcapsule Technology for Controlled Growth Factor Release in Musculoskeletal Tissue Engineering. Sports Medicine and Arthroscopy Review, 2018, 26, e2-e9.	2.3	16
29	Investigating the Mechanobiology of Cancer Cell-ECM Interaction Through Collagen-Based 3D Scaffolds. Cellular and Molecular Bioengineering, 2017, 10, 223-234.	2.1	46
30	An Engineered Multiphase Three-Dimensional Microenvironment to Ensure the Controlled Delivery of Cyclic Strain and Human Growth Differentiation Factor 5 for the Tenogenic Commitment of Human Bone Marrow Mesenchymal Stem Cells. Tissue Engineering - Part A, 2017, 23, 811-822.	3.1	51
31	Supercritical CO ₂ processing strategies for pyrethrins selective extraction. Journal of CO ₂ Utilization, 2017, 20, 14-19.	6.8	30
32	Novel Superparamagnetic Microdevices Based on Magnetized PLGA/PLA Microparticles Obtained by Supercritical Fluid Emulsion and Coating by Carboxybetaine-Functionalized Chitosan Allowing the Tuneable Release of Therapeutics. Journal of Pharmaceutical Sciences, 2017, 106, 2097-2105.	3.3	25
33	An optimized process for SC-CO ₂ extraction of antimalarial compounds from Artemisia annua L. Journal of Supercritical Fluids, 2017, 128, 89-93.	3.2	32
34	Lincomycin hydrochloride loaded albumin microspheres for controlled drug release, produced by Supercritical Assisted Atomization. Journal of Supercritical Fluids, 2017, 119, 203-210.	3.2	22
35	Palmitoylethanolamide sub-micronization using fast precipitation followed by supercritical fluids extraction. Powder Technology, 2017, 305, 217-225.	4.2	10
36	Biomaterials and Supercritical Fluid Technologies: Which Perspectives to Fabricate Artificial Extracellular Matrix?. Current Pharmaceutical Design, 2017, 23, 3759-3771.	1.9	12

#	ARTICLE	IF	CITATIONS
37	Supercritical extraction from Citrus aurantium amara peels using CO ₂ with ethanol as co-solvent. Journal of Supercritical Fluids, 2016, 117, 33-39.	3.2	48
38	Injectable PLGA/Hydroxyapatite/Chitosan Microcapsules Produced by Supercritical Emulsion Extraction Technology: An In Vitro Study on Teriparatide/Gentamicin Controlled Release. Journal of Pharmaceutical Sciences, 2016, 105, 2164-2172.	3.3	33
39	Efficient encapsulation of proteins in submicro liposomes using a supercritical fluid assisted continuous process. Journal of Supercritical Fluids, 2016, 107, 163-169.	3.2	50
40	Liposomes Size Engineering by Combination of Ethanol Injection and Supercritical Processing. Journal of Pharmaceutical Sciences, 2015, 104, 3842-3850.	3.3	26
41	Synergistic effect of sustained release of growth factors and dynamic culture on osteoblastic differentiation of mesenchymal stem cells. Journal of Biomedical Materials Research - Part A, 2015, 103, 2161-2171.	4.0	44
42	Supercritical fluids based techniques to process pharmaceutical products difficult to micronize: Palmitoylethanolamide. Journal of Supercritical Fluids, 2015, 102, 24-31.	3.2	29
43	PLA nanocomposites for photothermally controlled drug delivery. Journal of Materials Chemistry B, 2014, 2, 409-417.	5.8	48
44	Supercritical fluid extraction of volatile oil from Lippia alba (Mill.) cultivated in Aragón (Spain). Journal of Supercritical Fluids, 2014, 94, 206-211.	3.2	13
45	Liposomes preparation using a supercritical fluid assisted continuous process. Chemical Engineering Journal, 2014, 249, 153-159.	12.7	73
46	PLGA microspheres by Supercritical Emulsion Extraction: a study on insulin release in myoblast culture. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1831-1847.	3.5	40
47	Supercritical Drying of Alginate Beads for the Development of Aerogel Biomaterials: Optimization of Process Parameters and Exchange Solvents. Industrial & Engineering Chemistry Research, 2013, 52, 12003-12009.	3.7	55
48	Supercritical antisolvent extraction of antioxidants from grape seeds after vinification. Journal of Supercritical Fluids, 2013, 82, 238-243.	3.2	63
49	Encapsulation of titanium dioxide nanoparticles in PLA microspheres using supercritical emulsion extraction to produce bactericidal nanocomposites. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	31
50	Injectable PLGA/hydrocortisone formulation produced by continuous supercritical emulsion extraction. International Journal of Pharmaceutics, 2013, 441, 589-597.	5.2	35
51	Design of Alginate-Based Aerogel for Nonsteroidal Anti-Inflammatory Drugs Controlled Delivery Systems Using Prilling and Supercritical-Assisted Drying. Journal of Pharmaceutical Sciences, 2013, 102, 185-194.	3.3	71
52	Monodisperse biopolymer nanoparticles by Continuous Supercritical Emulsion Extraction. Journal of Supercritical Fluids, 2013, 76, 67-73.	3.2	35
53	Design and production of gentamicin/dextran microparticles by supercritical assisted atomisation for the treatment of wound bacterial infections. International Journal of Pharmaceutics, 2013, 440, 188-194.	5.2	55
54	Lipid nanoparticles production by supercritical fluid assisted emulsion diffusion. Journal of Supercritical Fluids, 2013, 82, 34-40.	3.2	23

#	ARTICLE	IF	CITATIONS
55	Rotenone coprecipitation with biodegradable polymers by supercritical assisted atomization. Journal of Supercritical Fluids, 2013, 81, 48-54.	3.2	29
56	Biopolymer Particles for Proteins and Peptides Sustained Release Produced by Supercritical Emulsion Extraction. Procedia Engineering, 2012, 42, 239-246.	1.2	9
57	Supercritical Extraction and Separation of Antioxidants from Residues of the Wine Industry. Procedia Engineering, 2012, 42, 1762-1766.	1.2	7
58	Solvent elimination from polymer nanoparticle suspensions by continuous supercritical extraction. Journal of Supercritical Fluids, 2012, 70, 100-105.	3.2	39
59	Continuous Supercritical Emulsions Extraction: Packed Tower Characterization and Application to Poly(lactic-co-glycolic Acid) + Insulin Microspheres Production. Industrial & Engineering Chemistry Research, 2012, 51, 8616-8623.	3.7	38
60	Nanoparticle precipitation by Supercritical Assisted Injection in a Liquid Antisolvent. Chemical Engineering Journal, 2012, 192, 246-251.	12.7	34
61	Bacteria microencapsulation in PLGA microdevices by supercritical emulsion extraction. Journal of Supercritical Fluids, 2012, 63, 1-7.	3.2	28
62	Supercritical antisolvent fractionation of ryanodol from Persea indica. Journal of Supercritical Fluids, 2011, 60, 16-20.	3.2	21
63	PLGA microdevices for retinoids sustained release produced by supercritical emulsion extraction: Continuous versus batch operation layouts. Journal of Pharmaceutical Sciences, 2011, 100, 4357-4367.	3.3	41
64	Continuous supercritical emulsions extraction: A new technology for biopolymer microparticles production. Biotechnology and Bioengineering, 2011, 108, 676-686.	3.3	56
65	Ampicillin micronization by supercritical assisted atomization. Journal of Pharmacy and Pharmacology, 2010, 55, 1465-1471.	2.4	28
66	NSAID Drugs Release from Injectable Microspheres Produced by Supercritical Fluid Emulsion Extraction. Journal of Pharmaceutical Sciences, 2010, 99, 1484-1499.	3.3	42
67	Albumin/Gentamicin Microspheres Produced by Supercritical Assisted Atomization: Optimization of Size, Drug Loading and Release. Journal of Pharmaceutical Sciences, 2010, 99, 4720-4729.	3.3	41
68	Production of metal oxide nanoparticles by supercritical emulsion reaction. Journal of Supercritical Fluids, 2010, 53, 95-101.	3.2	12
69	Griseofulvin micronization and dissolution rate improvement by supercritical assisted atomization. Journal of Pharmacy and Pharmacology, 2010, 56, 1379-1387.	2.4	37
70	Beclomethasone Microparticles for Wet Inhalation, Produced by Supercritical Assisted Atomization. Industrial & Engineering Chemistry Research, 2010, 49, 12747-12755.	3.7	20
71	Medical Device Sterilization Using Supercritical CO ₂ Based Mixtures. Recent Patents on Chemical Engineering, 2010, 3, 142-148.	0.5	6
72	Supercritical fluids processing of polymers for pharmaceutical and medical applications. Journal of Supercritical Fluids, 2009, 47, 484-492.	3.2	176

#	ARTICLE	IF	CITATIONS
73	Supercritical fluid extraction of Spanish sage essential oil: Optimization of the process parameters and modelling. <i>Journal of Supercritical Fluids</i> , 2009, 49, 174-181.	3.2	48
74	Headspace Volatile Composition of the Flowers of <i>Caralluma europaea</i> N.E.Br. (Apocynaceae). <i>Molecules</i> , 2009, 14, 4597-4613.	3.8	26
75	Nanostructured microspheres produced by supercritical fluid extraction of emulsions. <i>Biotechnology and Bioengineering</i> , 2008, 100, 1020-1033.	3.3	64
76	Lipase-catalyzed long chain fatty ester synthesis in dense carbon dioxide: Kinetics and thermodynamics. <i>Journal of Supercritical Fluids</i> , 2007, 41, 92-101.	3.2	60
77	Immobilized lipase-mediated long-chain fatty acid esterification in dense carbon dioxide: bench-scale packed-bed reactor study. <i>Journal of Supercritical Fluids</i> , 2007, 41, 74-81.	3.2	67
78	Optimisation of n-octyl oleate enzymatic synthesis over <i>Rhizomucor miehei</i> lipase. <i>Bioprocess and Biosystems Engineering</i> , 2006, 29, 119-127.	3.4	20
79	Supercritical cleaning of rollers for printing and packaging industry. <i>Journal of Supercritical Fluids</i> , 2006, 37, 409-416.	3.2	25
80	Corticosteroid Microparticles Produced by Supercritical-Assisted Atomization: Process Optimization, Product Characterization, and <i>in Vitro</i> Performance. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 2062-2076.	3.3	14
81	Supercritical assisted atomization: A novel technology for microparticles preparation of an asthma-controlling drug. <i>AAPS PharmSciTech</i> , 2005, 6, E421-E428.	3.3	31
82	Particle Design Using Supercritical Fluids. <i>Chemical Engineering and Technology</i> , 2003, 26, 840-845.	1.5	40
83	Micronization of antibiotics by supercritical assisted atomization. <i>Journal of Supercritical Fluids</i> , 2003, 26, 243-252.	3.2	88
84	Pilot scale micronization of amoxicillin by supercritical antisolvent precipitation. <i>Journal of Supercritical Fluids</i> , 2003, 26, 1-7.	3.2	83
85	Terbutaline microparticles suitable for aerosol delivery produced by supercritical assisted atomization. <i>International Journal of Pharmaceutics</i> , 2003, 258, 1-9.	5.2	56
86	Tailoring of nano- and micro-particles of some superconductor precursors by supercritical antisolvent precipitation. <i>Journal of Supercritical Fluids</i> , 2002, 23, 81-87.	3.2	59
87	Rifampicin microparticles production by supercritical antisolvent precipitation. <i>International Journal of Pharmaceutics</i> , 2002, 243, 83-91.	5.2	134
88	Supercritical fluids-assisted micronization techniques. Low-impact routes for particle production. <i>Pure and Applied Chemistry</i> , 2001, 73, 1293-1297.	1.9	28
89	Extraction and isolation of <i>Salvia desoleana</i> and <i>Mentha spicata</i> subsp. <i>insularis</i> essential oils by supercritical CO ₂ . <i>Flavour and Fragrance Journal</i> , 2001, 16, 384-388.	2.6	28
90	Supercritical antisolvent precipitation of salbutamol microparticles. <i>Powder Technology</i> , 2001, 114, 17-22.	4.2	63

#	ARTICLE	IF	CITATIONS
91	Process parameters and morphology in amoxicillin micro and submicro particles generation by supercritical antisolvent precipitation. Journal of Supercritical Fluids, 2000, 17, 239-248.	3.2	115
92	Supercritical antisolvent micronization of some biopolymers. Journal of Supercritical Fluids, 2000, 18, 239-245.	3.2	115
93	Modelling of orange flower concrete fractionation by supercritical CO ₂ . Journal of Supercritical Fluids, 1999, 14, 115-121.	3.2	15
94	Supercritical antisolvent precipitation of nanoparticles of a zinc oxide precursor. Powder Technology, 1999, 102, 127-134.	4.2	89
95	Production of antibiotic micro- and nano-particles by supercritical antisolvent precipitation. Powder Technology, 1999, 106, 23-29.	4.2	131
96	Isolation of eucalyptus oil by supercritical fluid extraction. Flavour and Fragrance Journal, 1999, 14, 214-218.	2.6	56
97	ISOLATION OF TAGETES MINUTA L. OIL USING SUPERCRITICAL CO ₂ EXTRACTION. Acta Horticulturae, 1999, , 21-26.	0.2	5
98	Essential oils from two Peruvian Satureja species. Flavour and Fragrance Journal, 1998, 13, 1-4.	2.6	38
99	Composition of the essential oil of Tagetes filifolia Lag.. Flavour and Fragrance Journal, 1998, 13, 145-147.	2.6	17
100	Isolation of Clove Bud and Star Anise Essential Oil by Supercritical CO ₂ Extraction. LWT - Food Science and Technology, 1998, 31, 454-460.	5.2	71
101	Supercritical Antisolvent Precipitation of Nanoparticles of Superconductor Precursors. Industrial & Engineering Chemistry Research, 1998, 37, 952-958.	3.7	139
102	Supercritical Antisolvent Precipitation: a Novel Technique to Produce Catalyst Precursors. Preparation and Characterization of Samarium Oxide Nanoparticles.. Studies in Surface Science and Catalysis, 1998, , 349-358.	1.5	20
103	Supercritical antisolvent precipitation: A new technique for preparing submicronic yttrium powders to improve YBCO superconductors. Journal of Materials Research, 1998, 13, 284-289.	2.6	47
104	Mandarin and Lime Peel Oil Processing by Supercritical CO ₂ Desorption: Deterpenation and High Molecular Weight Compounds Elimination. Journal of Essential Oil Research, 1997, 9, 515-522.	2.7	16
105	Tuberose Concrete Fractionation by Supercritical Carbon Dioxide. Journal of Agricultural and Food Chemistry, 1997, 45, 1356-1360.	5.2	17
106	Supercritical CO ₂ Extraction of Volatile Oil from Rose Concrete. Flavour and Fragrance Journal, 1997, 12, 37-41.	2.6	27
107	Essential oil of Eremocharis triradiata (Wolff.) Johnston (Apiaceae) growing wild in Perù. Flavour and Fragrance Journal, 1997, 12, 257-259.	2.6	5
108	Bigarade Peel Oil Fractionation by Supercritical Carbon Dioxide Desorption. Journal of Agricultural and Food Chemistry, 1996, 44, 1100-1104.	5.2	34

#	ARTICLE	IF	CITATIONS
109	Constituents of <i>Vitex agnus-castus</i> L. Essential Oil. <i>Flavour and Fragrance Journal</i> , 1996, 11, 179-182.	2.6	30
110	Rose concrete fractionation by supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 1996, 9, 199-204.	3.2	25
111	Supercritical CO ₂ fractionation of jasmine concrete. <i>Journal of Supercritical Fluids</i> , 1995, 8, 60-65.	3.2	34
112	Extraction of sage oil by supercritical CO ₂ : Influence of some process parameters. <i>Journal of Supercritical Fluids</i> , 1995, 8, 302-309.	3.2	88
113	Supercritical CO ₂ Desorption of Bergamot Peel Oil. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 4508-4513.	3.7	41
114	Supercritical CO ₂ Extraction and Fractionation of Lavender Essential Oil and Waxes. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 1654-1658.	5.2	133
115	Solubility and micronization of griseofulvin in supercritical CHF ₃ . <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 4087-4091.	3.7	102
116	Desorption of lemon peel oil by supercritical carbon dioxide: Deterpenation and psoralens elimination. <i>Journal of Supercritical Fluids</i> , 1994, 7, 177-183.	3.2	50
117	t(11;22) in three cases of peripheral neuroepithelioma. <i>Genes Chromosomes and Cancer</i> , 1990, 2, 163-165.	2.8	17