

Cristina M Sabliov

List of Publications by Year in descending order

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79
papers

3,592
citations

136740

32
h-index

138251

58
g-index

86
all docs

86
docs citations

86
times ranked

5501
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of PLGA nanoparticles. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 247-289.	1.9	606
2	Determination of antioxidant components in rice bran oil extracted by microwave-assisted method. Bioresource Technology, 2008, 99, 4910-4918.	4.8	131
3	Nanodelivery of Bioactive Components for Food Applications: Types of Delivery Systems, Properties, and Their Effect on ADME Profiles and Toxicity of Nanoparticles. Annual Review of Food Science and Technology, 2014, 5, 197-213.	5.1	118
4	Stability and controlled release of lutein loaded in zein nanoparticles with and without lecithin and pluronic F127 surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 503, 11-18.	2.3	117
5	Nanoparticles with entrapped α -tocopherol: synthesis, characterization, and controlled release. Nanotechnology, 2008, 19, 105606.	1.3	110
6	COMSOL Multiphysics model for continuous flow microwave heating of liquids. Journal of Food Engineering, 2011, 104, 422-429.	2.7	109
7	Effects of Temperature and UV Light on Degradation of α -Tocopherol in Free and Dissolved Form. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 895.	0.8	105
8	Soybean and rice bran oil extraction in a continuous microwave system: From laboratory- to pilot-scale. Journal of Food Engineering, 2011, 104, 208-217.	2.7	100
9	IMAGE PROCESSING METHOD TO DETERMINE SURFACE AREA AND VOLUME OF AXI-SYMMETRIC AGRICULTURAL PRODUCTS. International Journal of Food Properties, 2002, 5, 641-653.	1.3	94
10	Engineered Nanoscale Food Ingredients: Evaluation of Current Knowledge on Material Characteristics Relevant to Uptake from the Gastrointestinal Tract. Comprehensive Reviews in Food Science and Food Safety, 2014, 13, 730-744.	5.9	85
11	Investigation of Magnetic Nanoparticle-Polymer Composites for Multiple-controlled Drug Delivery. Journal of Physical Chemistry C, 2008, 112, 11102-11108.	1.5	79
12	Delivery of phytochemical thymoquinone using molecular micelle modified poly(D, L) Tj ETQq0 0 0 rgBT /Overlock 10,Tf 50 3Q2 Td (lacti	1.3	78
13	Effect of Surfactant Concentrations on Physicochemical Properties and Functionality of Curcumin Nanoemulsions Under Conditions Relevant to Commercial Utilization. Molecules, 2019, 24, 2744.	1.7	71
14	Emerging investigator series: polymeric nanocarriers for agricultural applications: synthesis, characterization, and environmental and biological interactions. Environmental Science: Nano, 2020, 7, 37-67.	2.2	68
15	Organic Nanomaterials and Their Applications in the Treatment of Oral Diseases. Molecules, 2016, 21, 207.	1.7	67
16	Antioxidant Poly(lactic-co-glycolic) Acid Nanoparticles Made with α -Tocopherol-Ascorbic Acid Surfactant. ACS Nano, 2011, 5, 9313-9325.	7.3	63
17	Cellular uptake, antioxidant and antiproliferative activity of entrapped α -tocopherol and α -tocotrienol in poly (lactic-co-glycolic) acid (PLGA) and chitosan covered PLGA nanoparticles (PLGA-Chi). Journal of Colloid and Interface Science, 2015, 445, 243-251.	5.0	63
18	PLA/PLGA nanoparticles for delivery of drugs across the blood-brain barrier. Nanotechnology Reviews, 2013, 2, 241-257.	2.6	60

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19	Human adipose-derived stem cells and three-dimensional scaffold constructs: A review of the biomaterials and models currently used for bone regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 187-199.	1.6	59
20	Size control of poly(d,l-lactide-co-glycolide) and poly(d,l-lactide-co-glycolide)-magnetite nanoparticles synthesized by emulsion evaporation technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 299, 209-216.	2.3	58
21	Ca ²⁺ Cross-Linked Alginic Acid Nanoparticles for Solubilization of Lipophilic Natural Colorants. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7505-7512.	2.4	58
22	Bioavailability and biodistribution of nanodelivered lutein. <i>Food Chemistry</i> , 2016, 192, 915-923.	4.2	57
23	Zein Nanoparticles Uptake and Translocation in Hydroponically Grown Sugar Cane Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6544-6551.	2.4	56
24	Nano spray-dried sodium chloride and its effects on the microbiological and sensory characteristics of surface-salted cheese crackers. <i>Journal of Dairy Science</i> , 2015, 98, 5946-5954.	1.4	53
25	Current Uses of Poly(lactic-co-glycolic acid) in the Dental Field: A Comprehensive Review. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	0.9	52
26	Extraction of Antioxidants from Wheat Bran Using Conventional Solvent and Microwave-Assisted Methods. <i>Cereal Chemistry</i> , 2007, 84, 125-129.	1.1	48
27	The potential of zein nanoparticles to protect entrapped β -carotene in the presence of milk under simulated gastrointestinal (GI) conditions. <i>LWT - Food Science and Technology</i> , 2016, 72, 302-309.	2.5	48
28	Experimental study of the effect of dielectric and physical properties on temperature distribution in fluids during continuous flow microwave heating. <i>Journal of Food Engineering</i> , 2009, 93, 149-157.	2.7	45
29	Numerical Modeling of Continuous Flow Microwave Heating: A Critical Comparison of COMSOL and ANSYS. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2010, 44, 187-197.	0.4	45
30	Chitosan/PLGA particles for controlled release of α -tocopherol in the GI tract via oral administration. <i>Nanomedicine</i> , 2011, 6, 1513-1528.	1.7	43
31	Nanotechnology Considerations for Poultry and Livestock Production Systems – A Review. <i>Annals of Animal Science</i> , 2018, 18, 319-334.	0.6	40
32	Comparative effects of curcumin when delivered in a nanoemulsion or nanoparticle form for food applications: Study on stability and lipid oxidation inhibition. <i>LWT - Food Science and Technology</i> , 2019, 113, 108319.	2.5	38
33	Distribution of polymeric nanoparticles in the eye: implications in ocular disease therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 10.	4.2	37
34	Size dependency of PLGA-nanoparticle uptake and antifungal activity against <i>Aspergillus flavus</i> . <i>Nanomedicine</i> , 2011, 6, 1381-1395.	1.7	36
35	Recovery of solanesol from tobacco as a value-added byproduct for alternative applications. <i>Bioresource Technology</i> , 2010, 101, 1091-1096.	4.8	33
36	Cytotoxicity and intracellular fate of PLGA and chitosan-coated PLGA nanoparticles in Madinâ€“Darby bovine kidney (MDBK) and human colorectal adenocarcinoma (Colo 205) cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3599-3611.	2.1	33

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37	Itraconazole-loaded poly(lactic-co-glycolic) acid nanoparticles for improved antifungal activity. <i>Nanomedicine</i> , 2010, 5, 1037-1050.	1.7	29
38	High Frequency Electromagnetism, Heat Transfer and Fluid Flow Coupling in ANSYS Multiphysics. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2006, 41, 5-17.	0.4	28
39	Zein nanoparticles as delivery systems for covalently linked and physically entrapped folic acid. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	28
40	Zein Nanoparticles Uptake by Hydroponically Grown Soybean Plants. <i>Environmental Science & Technology</i> , 2017, 51, 14065-14071.	4.6	28
41	Biodistribution and toxicity of orally administered poly (lactic-co-glycolic) acid nanoparticles to F344 rats for 21 days. <i>Nanomedicine</i> , 2016, 11, 1653-1669.	1.7	27
42	Nanodelivery of essential oils as efficient tools against antimicrobial resistance: a review of the type and physical-chemical properties of the delivery systems and applications. <i>Drug Delivery</i> , 2022, 29, 1007-1024.	2.5	27
43	Biodistribution of PLGA and PLGA/chitosan nanoparticles after repeat-dose oral delivery in F344 rats for 7 days. <i>Therapeutic Delivery</i> , 2014, 5, 1191-1201.	1.2	24
44	Entrapment and delivery of Î±-tocopherol by a self-assembled, alginate-conjugated prodrug nanostructure. <i>Food Hydrocolloids</i> , 2017, 72, 62-72.	5.6	24
45	Effects of Chinese wolfberry (<i>Lycium chinense</i> P. Mill.) leaf hydrolysates on the growth of <i>Pediococcus acidilactici</i> . <i>Bioresource Technology</i> , 2008, 99, 1383-1393.	4.8	23
46	Bioavailability of Orally Delivered Alpha-Tocopherol by Poly(Lactic-Co-Glycolic) Acid (PLGA) Nanoparticles and Chitosan Covered PLGA Nanoparticles in F344 Rats. <i>Nanobiomedicine</i> , 2016, 3, 8.	4.4	23
47	The effect of nanoparticle properties, detection method, delivery route and animal model on poly(lactic-co-glycolic) acid nanoparticles biodistribution in mice and rats. <i>Drug Metabolism Reviews</i> , 2014, 46, 128-141.	1.5	21
48	Topical nanodelivery system of lutein for the prevention of selenite-induced cataract. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 15, 188-197.	1.7	21
49	Synthesis of Poly(DL-Lactide-Co-Glycolide) Nanoparticles with Entrapped Magnetite by Emulsion Evaporation Method. <i>Particulate Science and Technology</i> , 2006, 24, 321-328.	1.1	20
50	Lignin-Graft-Poly(lactic-co-glycolic) Acid Biopolymers for Polymeric Nanoparticle Synthesis. <i>ACS Omega</i> , 2020, 5, 9892-9902.	1.6	20
51	Perspectives in the design of zein-based polymeric delivery systems with programmed wear down for sustainable agricultural applications. <i>Polymer Degradation and Stability</i> , 2018, 155, 130-135.	2.7	19
52	Lignin-graft-PLGA drug-delivery system improves efficacy of MEK1/2 inhibitors in triple-negative breast cancer cell line. <i>Nanomedicine</i> , 2020, 15, 981-1000.	1.7	19
53	Characterization of Plasmid DNA Location within Chitosan/PLGA/pDNA Nanoparticle Complexes Designed for Gene Delivery. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-9.	1.5	17
54	Cooling of Shell Eggs with Cryogenic Carbon Dioxide: a Finite Element Analysis of Heat Transfer. <i>LWT - Food Science and Technology</i> , 2002, 35, 568-574.	2.5	16

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55	Enrofloxacin-Impregnated PLGA Nanocarriers for Efficient Therapeutics and Diminished Generation of Reactive Oxygen Species. <i>ACS Applied Nano Materials</i> , 2019, 2, 5035-5043.	2.4	16
56	Microwave assisted pyrolysis of Kraft lignin in single mode high-Q resonant cavities: Degradation kinetics, product chemical composition, and numerical modeling. <i>Energy Conversion and Management</i> , 2021, 230, 113754.	4.4	16
57	CONTINUOUS MICROWAVE PROCESSING OF PEANUT BEVERAGES. <i>Journal of Food Processing and Preservation</i> , 2008, 32, 935-945.	0.9	15
58	Investigation on hemolytic effect of poly(lactic co-glycolic) acid nanoparticles synthesized using continuous flow and batch processes. <i>Nanotechnology Reviews</i> , 2017, 6, 209-220.	2.6	15
59	Fate of Biodegradable Engineered Nanoparticles Used in Veterinary Medicine as Delivery Systems from a One Health Perspective. <i>Molecules</i> , 2021, 26, 523.	1.7	14
60	Stability and ocular biodistribution of topically administered PLGA nanoparticles. <i>Scientific Reports</i> , 2021, 11, 12270.	1.6	14
61	Prevention of infection caused by enteropathogenic <i>E. coli</i> O157:H7 in intestinal cells using enrofloxacin entrapped in polymer based nanocarriers. <i>Journal of Hazardous Materials</i> , 2021, 414, 125454.	6.5	13
62	Zein and lignin-based nanoparticles as soybean seed treatment: translocation and impact on seed and plant health. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 1557-1569.	1.6	13
63	Nanoentrapped polyphenol coating for sustained drug release from a balloon catheter. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 646-651.	1.6	12
64	Lignin nanoparticles as delivery systems to facilitate translocation of methoxyfenozide in soybean (<i>Glycine max</i>). <i>Journal of Agriculture and Food Research</i> , 2022, 7, 100259.	1.2	10
65	Effects of engineered lignin-graft-PLGA and zein-based nanoparticles on soybean health. <i>NanoImpact</i> , 2021, 23, 100329.	2.4	9
66	Asymmetric flow field-flow fractionation (AF4) with fluorescence and multi-detector analysis for direct, real-time, size-resolved measurements of drug release from polymeric nanoparticles. <i>Journal of Controlled Release</i> , 2021, 338, 410-421.	4.8	9
67	Time Analysis of Poly(Lactic-Co-Glycolic) Acid Nanoparticle Uptake by Major Organs Following Acute Intravenous and Oral Administration in Mice and Rats. <i>Industrial Biotechnology</i> , 2013, 9, 19-23.	0.5	8
68	Synthesis of Vitamin E-Carnosine (VECAR): New Antioxidant Molecule with Potential Application in Atherosclerosis. <i>Synthetic Communications</i> , 2013, 43, 1299-1313.	1.1	8
69	A Continuous Microwave System For Prevention of Invasive Species During De-Ballasting Operation-Death Kinetics. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2007, 42, 61-78.	0.4	5
70	Elucidating Efficacy of Ingested Positively Charged Zein Nanoparticles Against Noctuidae. <i>Journal of Economic Entomology</i> , 2020, 113, 2739-2744.	0.8	5
71	A PREDICTIVE MODEL FOR THERMAL CONDUCTIVITY OF AN INTERMEDIATE MOISTURE GRANULAR FOOD. <i>Journal of Food Process Engineering</i> , 2002, 25, 91-107.	1.5	4
72	Biodistribution of orally administered poly(lactic-co-glycolic) acid nanoparticles for 7 days followed by 21 day recovery in F344 rats. <i>NanoImpact</i> , 2017, 5, 1-5.	2.4	4

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73	Life History of <i>Chrysodeixis includens</i> (Lepidoptera: Noctuidae) on Positively Charged Zein Nanoparticles. <i>Environmental Entomology</i> , 0, , .	0.7	4
74	Surface association and uptake of poly(lactic-co-glycolic) acid nanoparticles by <i>Aspergillus flavus</i> . <i>Therapeutic Delivery</i> , 2014, 5, 1179-1190.	1.2	3
75	Oxidative Stress Following PLGA Nanoparticles Administration to an Animal Model. <i>Materiale Plastice</i> , 2017, 54, 249-252.	0.4	2
76	Experimental design and multivariate analysis for optimizing poly(D,L-lactide-co-glycolide) (PLGA) nanoparticle synthesis using molecular micelles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 280-92.	0.9	2
77	Parametric analysis of cryogenic carbon dioxide cooling of shell eggs. <i>Poultry Science</i> , 2002, 81, 1758-1765.	1.5	1
78	Extraction: Microwave-Assisted. , 2010, , 440-445.		1
79	CHAPTER 6. Supplement Delivery at the Nanoscale. <i>RSC Nanoscience and Nanotechnology</i> , 2017, , 97-117.	0.2	1