

# 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	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
2	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
3	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
4	Distribution of polymeric nanoparticles in the eye: implications in ocular disease therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 10.	4.2	37
5	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
6	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
7	Stability and ocular biodistribution of topically administered PLGA nanoparticles. <i>Scientific Reports</i> , 2021, 11, 12270.	1.6	14
8	Effects of engineered lignin-graft-PLGA and zein-based nanoparticles on soybean health. <i>NanoImpact</i> , 2021, 23, 100329.	2.4	9
9	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
10	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
11	Emerging investigator series: polymeric nanocarriers for agricultural applications: synthesis, characterization, and environmental and biological interactions. <i>Environmental Science: Nano</i> , 2020, 7, 37-67.	2.2	68
12	Elucidating Efficacy of Ingested Positively Charged Zein Nanoparticles Against Noctuidae. <i>Journal of Economic Entomology</i> , 2020, 113, 2739-2744.	0.8	5
13	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
14	Lignin-Graft-Poly(lactic-co-glycolic) Acid Biopolymers for Polymeric Nanoparticle Synthesis. <i>ACS Omega</i> , 2020, 5, 9892-9902.	1.6	20
15	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
16	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
17	Effect of Surfactant Concentrations on Physicochemical Properties and Functionality of Curcumin Nanoemulsions Under Conditions Relevant to Commercial Utilization. <i>Molecules</i> , 2019, 24, 2744.	1.7	71
18	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

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19	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
20	Nanotechnology Considerations for Poultry and Livestock Production Systems – A Review. <i>Annals of Animal Science</i> , 2018, 18, 319-334.	0.6	40
21	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
22	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
23	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
24	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
25	Entrapment and delivery of $\alpha$ -tocopherol by a self-assembled, alginate-conjugated prodrug nanostructure. <i>Food Hydrocolloids</i> , 2017, 72, 62-72.	5.6	24
26	Zein Nanoparticles Uptake by Hydroponically Grown Soybean Plants. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14065-14071.	4.6	28
27	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
28	CHAPTER 6. Supplement Delivery at the Nanoscale. <i>RSC Nanoscience and Nanotechnology</i> , 2017, , 97-117.	0.2	1
29	Oxidative Stress Following PLGA Nanoparticles Administration to an Animal Model. <i>Materiale Plastice</i> , 2017, 54, 249-252.	0.4	2
30	Organic Nanomaterials and Their Applications in the Treatment of Oral Diseases. <i>Molecules</i> , 2016, 21, 207.	1.7	67
31	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
32	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
33	Stability and controlled release of lutein loaded in zein nanoparticles with and without lecithin and pluronic F127 surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 503, 11-18.	2.3	117
34	The potential of zein nanoparticles to protect entrapped $\beta$ -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
35	Bioavailability and biodistribution of nanodelivered lutein. <i>Food Chemistry</i> , 2016, 192, 915-923.	4.2	57
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	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
38	Cellular uptake, antioxidant and antiproliferative activity of entrapped $\alpha$ -tocopherol and $\beta$ -tocotrienol in poly (lactic-co-glycolic) acid (PLGA) and chitosan covered PLGA nanoparticles (PLGA-Chi). <i>Journal of Colloid and Interface Science</i> , 2015, 445, 243-251.	5.0	63
39	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
40	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
41	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
42	Nanodelivery of Bioactive Components for Food Applications: Types of Delivery Systems, Properties, and Their Effect on ADME Profiles and Toxicity of Nanoparticles. <i>Annual Review of Food Science and Technology</i> , 2014, 5, 197-213.	5.1	118
43	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
44	Engineered Nanoscale Food Ingredients: Evaluation of Current Knowledge on Material Characteristics Relevant to Uptake from the Gastrointestinal Tract. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2014, 13, 730-744.	5.9	85
45	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
46	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
47	PLA/PLGA nanoparticles for delivery of drugs across the blood-brain barrier. <i>Nanotechnology Reviews</i> , 2013, 2, 241-257.	2.6	60
48	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
49	Chitosan/PLGA particles for controlled release of $\alpha$ -tocopherol in the GI tract via oral administration. <i>Nanomedicine</i> , 2011, 6, 1513-1528.	1.7	43
50	Antioxidant Poly(lactic-co-glycolic) Acid Nanoparticles Made with $\alpha$ -Tocopherol-Ascorbic Acid Surfactant. <i>ACS Nano</i> , 2011, 5, 9313-9325.	7.3	63
51	Soybean and rice bran oil extraction in a continuous microwave system: From laboratory- to pilot-scale. <i>Journal of Food Engineering</i> , 2011, 104, 208-217.	2.7	100
52	COMSOL Multiphysics model for continuous flow microwave heating of liquids. <i>Journal of Food Engineering</i> , 2011, 104, 422-429.	2.7	109
53	Size dependency of PLGA-nanoparticle uptake and antifungal activity against <i>Aspergillus flavus</i> . <i>Nanomedicine</i> , 2011, 6, 1381-1395.	1.7	36
54	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

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55	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
56	Delivery of phytochemical thymoquinone using molecular micelle modified poly(D, L) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (lacti	1.3	78
57	Recovery of solanesol from tobacco as a value-added byproduct for alternative applications. <i>Bioresource Technology</i> , 2010, 101, 1091-1096.	4.8	33
58	Extraction: Microwave-Assisted. , 2010, , 440-445.		1
59	Itraconazole-loaded poly(lactic-co-glycolic) acid nanoparticles for improved antifungal activity. <i>Nanomedicine</i> , 2010, 5, 1037-1050.	1.7	29
60	Effects of Temperature and UV Light on Degradation of Î±-Tocopherol in Free and Dissolved Form. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2009, 86, 895.	0.8	105
61	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
62	Ca <sup>2+</sup> 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
63	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
64	Determination of antioxidant components in rice bran oil extracted by microwave-assisted method. <i>Bioresource Technology</i> , 2008, 99, 4910-4918.	4.8	131
65	CONTINUOUS MICROWAVE PROCESSING OF PEANUT BEVERAGES. <i>Journal of Food Processing and Preservation</i> , 2008, 32, 935-945.	0.9	15
66	Investigation of Magnetic Nanoparticle~Polymer Composites for Multiple-controlled Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11102-11108.	1.5	79
67	Nanoparticles with entrapped Î±-tocopherol: synthesis, characterization, and controlled release. <i>Nanotechnology</i> , 2008, 19, 105606.	1.3	110
68	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
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	Extraction of Antioxidants from Wheat Bran Using Conventional Solvent and Microwave-Assisted Methods. <i>Cereal Chemistry</i> , 2007, 84, 125-129.	1.1	48
71	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
72	Synthesis and characterization of PLGA nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 247-289.	1.9	606

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73	High Frequency Electromagnetism, Heat Transfer and Fluid Flow Coupling in ANSYS Multiphysics. Journal of Microwave Power and Electromagnetic Energy, 2006, 41, 5-17.	0.4	28
74	Synthesis of Poly(DL-Lactide-Co-Glycolide) Nanoparticles with Entrapped Magnetite by Emulsion Evaporation Method. Particulate Science and Technology, 2006, 24, 321-328.	1.1	20
75	Parametric analysis of cryogenic carbon dioxide cooling of shell eggs. Poultry Science, 2002, 81, 1758-1765.	1.5	1
76	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
77	Cooling of Shell Eggs with Cryogenic Carbon Dioxide: a Finite Element Analysis of Heat Transfer. LWT - Food Science and Technology, 2002, 35, 568-574.	2.5	16
78	A PREDICTIVE MODEL FOR THERMAL CONDUCTIVITY OF AN INTERMEDIATE MOISTURE GRANULAR FOOD. Journal of Food Process Engineering, 2002, 25, 91-107.	1.5	4
79	Life History of <i>Chrysodeixis includens</i> (Lepidoptera: Noctuidae) on Positively Charged Zein Nanoparticles. Environmental Entomology, 0, , .	0.7	4