

Margaret A Wheatley

List of Publications by Year in descending order

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42
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1,202
citations

394421

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docs citations

42
times ranked

1325
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Dual Drug-Loaded, Surfactant-Stabilized Contrast Agent Containing Oxygen. <i>Polymers</i> , 2022, 14, 1568.	4.5	3
2	Emerging Applications of Ultrasound-Contrast Agents in Radiation Therapy. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1465-1474.	1.5	17
3	Gemcitabine-loaded microbubble system for ultrasound imaging and therapy. <i>Acta Biomaterialia</i> , 2021, 130, 385-394.	8.3	21
4	Shaping the synthesis of surfactant-stabilized oxygen microbubbles to accommodate encapsulated drug. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112049.	5.0	5
5	Incubation Method for Loading Lonidamine in Oxygen Microbubbles for Targeted Drug Delivery. , 2020, , .		0
6	LC-MS based stability-indicating method for studying the degradation of lonidamine under physical and chemical stress conditions. <i>Research in Pharmaceutical Sciences</i> , 2020, 15, 312.	1.8	5
7	Breast Cancer Brain Metastasis Response to Radiation After Microbubble Oxygen Delivery in a Murine Model. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3221-3228.	1.7	26
8	Preserving the Integrity of Surfactant-Stabilized Microbubble Membranes for Localized Oxygen Delivery. <i>Langmuir</i> , 2019, 35, 10068-10078.	3.5	16
9	Sensitization of Hypoxic Tumors to Radiation Therapy Using Ultrasound-Sensitive Oxygen Microbubbles. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 88-96.	0.8	78
10	Manipulating multifaceted microbubble shell composition to target both TRAIL-sensitive and resistant cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1903-1915.	4.0	9
11	Strategies for neurotrophin- β and chondroitinase ABC release from freeze-cast chitosan-alginate nerve guidance scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 285-294.	2.7	28
12	Drug Delivery from a Multi-faceted Ultrasound Contrast Agent: Influence of Shell Composition. <i>Molecular Pharmaceutics</i> , 2017, 14, 3448-3456.	4.6	12
13	Shell effects on acoustic performance of a drug delivery system activated by ultrasound. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3189-3196.	4.0	12
14	Notice of Removal: Sensitization of hypoxic tumors to radiation therapy using ultrasound sensitive oxygen microbubbles. , 2017, , .		0
15	Ultrasound microbubble targeted gemcitabine delivery for pancreatic cancer treatment. , 2017, , .		1
16	Balancing stealth and echogenic properties in an ultrasound contrast agent with drug delivery potential. <i>Biomaterials</i> , 2016, 103, 197-206.	11.4	20
17	A multifactorial analysis of complex pharmaceutical platforms: an application of design of experiments to targetable polyacrylamide and ultrasound contrast agents. <i>Polymers for Advanced Technologies</i> , 2015, 26, 898-905.	3.2	2
18	Multimodal imaging: Nanocrystal loaded PLA-shelled contrast agents. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Nanoparticle Loaded Polymeric Microbubbles as Contrast Agents for Multimodal Imaging. <i>Langmuir</i> , 2015, 31, 11858-11867.	3.5	37
20	Preservation of imaging capability in sensitive ultrasound contrast agents after indirect plasma sterilization. <i>International Journal of Pharmaceutics</i> , 2015, 494, 146-151.	5.2	2
21	Multi-modal detection of colon malignancy by NIR-tagged recognition polymers and ultrasound contrast agents. <i>International Journal of Pharmaceutics</i> , 2015, 478, 504-516.	5.2	7
22	Development of an ultrasound sensitive oxygen carrier for oxygen delivery to hypoxic tissue. <i>International Journal of Pharmaceutics</i> , 2015, 478, 361-367.	5.2	66
23	Hierarchical Structures: Ice-Templated Scaffolds with Microridged Pores Direct DRG Neurite Growth (<i>Adv. Funct. Mater.</i> 23/2012). <i>Advanced Functional Materials</i> , 2012, 22, 4846-4846.	14.9	0
24	Cellular signal transduction can be induced by TRAIL conjugated to microcapsules. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2602-2611.	4.0	13
25	Ice-Templated Scaffolds with Microridged Pores Direct DRG Neurite Growth. <i>Advanced Functional Materials</i> , 2012, 22, 4920-4923.	14.9	63
26	Disposition of Ultrasound Sensitive Polymeric Drug Carrier in a Rat Hepatocellular Carcinoma Model. <i>Academic Radiology</i> , 2011, 18, 1341-1348.	2.5	57
27	Doxorubicin and paclitaxel loaded microbubbles for ultrasound triggered drug delivery. <i>International Journal of Pharmaceutics</i> , 2011, 414, 161-170.	5.2	138
28	Targeted binding of PEG-lipid modified polymer ultrasound contrast agents with tiered surface architecture. <i>Biotechnology and Bioengineering</i> , 2010, 106, 501-506.	3.3	10
29	Preserving enhancement in freeze-dried contrast agent ST68: Examination of excipients. <i>International Journal of Pharmaceutics</i> , 2010, 396, 30-38.	5.2	9
30	Preclinical Acute Toxicology Study of Surfactant-Stabilized Ultrasound Contrast Agents in Adult Rats. <i>International Journal of Toxicology</i> , 2010, 29, 32-39.	1.2	9
31	Nano-sized ultrasound contrast agent: salting-out method. <i>Molecular Imaging</i> , 2010, 9, 96-107.	1.4	3
32	Long-Term Recordings of Multiple, Single-Neurons for Clinical Applications: The Emerging Role of the Bioactive Microelectrode. <i>Materials</i> , 2009, 2, 1762-1794.	2.9	13
33	Ultrasound triggered cell death in vitro with doxorubicin loaded poly lactic-acid contrast agents. <i>Ultrasonics</i> , 2009, 49, 628-633.	3.9	34
34	Polymeric Ultrasound Contrast Agents Targeted to Integrins: Importance of Process Methods and Surface Density of Ligands. <i>Biomacromolecules</i> , 2007, 8, 516-522.	5.4	37
35	Comparison of in vitro and in vivo acoustic response of a novel 50:50 PLGA contrast agent. <i>Ultrasonics</i> , 2006, 44, 360-367.	3.9	71
36	Surfactant-stabilized contrast agent on the nanoscale for diagnostic ultrasound imaging. <i>Ultrasound in Medicine and Biology</i> , 2006, 32, 83-93.	1.5	70

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37	A numerical study of the generation and propagation of thermoacoustic waves in water. <i>Physics of Fluids</i> , 2004, 16, 3786-3794.	4.0	10
38	Development of a novel method for synthesis of a polymeric ultrasound contrast agent. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 66A, 347-355.	3.1	122
39	Optimization of spray drying by factorial design for production of hollow microspheres for ultrasound imaging. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 333-341.	3.1	42
40	Influence of environmental conditions on a new surfactant-based contrast agent: ST68. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 621-628.	1.5	39
41	Preparation and characterization of hollow microcapsules for use as ultrasound contrast agents. <i>Polymer Engineering and Science</i> , 1999, 39, 2242-2255.	3.1	52
42	Langmuir Trough Study of Surfactant Mixtures Used in the Production of a New Ultrasound Contrast Agent Consisting of Stabilized Microbubbles. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13815-13821.	2.9	43