Joshua W Owen

List of Publications by Year in descending order

31 papers	1,460 citations	393982 19 h-index	433756 31 g-index
32 all docs	32 docs citations	32 times ranked	2295 citing authors

#	Article	IF	Citations
1	Orally administered oxygen nanobubbles enhance tumor response to sonodynamic therapy. Nano Select, 2022, 3, 394-401.	1.9	9
2	Determination of oxygen relaxivity in oxygen nanobubbles at 3 and 7ÂTesla. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, , 1.	1.1	1
3	3D printed reactor-in-a-centrifuge (RIAC): Making flow-synthesis of nanoparticles pump-free and cost-effective. Chemical Engineering Journal, 2021, 425, 130656.	6.6	7
4	3-Bromopyruvate-mediated MCT1-dependent metabolic perturbation sensitizes triple negative breast cancer cells to ionizing radiation. Cancer & Metabolism, 2021, 9, 37.	2.4	11
5	Ultrasoundâ€Triggered Delivery of Iproplatin from Microbubbleâ€Conjugated Liposomes. ChemistryOpen, 2021, 10, 1170-1176.	0.9	11
6	Acoustically responsive polydopamine nanodroplets: A novel theranostic agent. Ultrasonics Sonochemistry, 2020, 60, 104782.	3.8	27
7	Indium-111 labelling of liposomal HEGF for radionuclide delivery via ultrasound-induced cavitation. Journal of Controlled Release, 2020, 319, 222-233.	4.8	9
8	Ultrasound-mediated cavitation enhances the delivery of an EGFR-targeting liposomal formulation designed for chemo-radionuclide therapy. Theranostics, 2019, 9, 5595-5609.	4.6	37
9	Sonothrombolysis with Magnetically Targeted Microbubbles. Ultrasound in Medicine and Biology, 2019, 45, 1151-1163.	0.7	30
10	The Role of PEG-40-stearate in the Production, Morphology, and Stability of Microbubbles. Langmuir, 2019, 35, 10014-10024.	1.6	19
11	A versatile method for the preparation of particle-loaded microbubbles for multimodality imaging and targeted drug delivery. Drug Delivery and Translational Research, 2018, 8, 342-356.	3.0	37
12	Laser-driven resonance of dye-doped oil-coated microbubbles: Experimental study. Journal of the Acoustical Society of America, 2017, 141, 4832-4846.	0.5	6
13	Magnetically responsive microbubbles as delivery vehicles for targeted sonodynamic and antimetabolite therapy of pancreatic cancer. Journal of Controlled Release, 2017, 262, 192-200.	4.8	47
14	Enhancement and Passive Acoustic Mapping of Cavitation from Fluorescently Tagged Magnetic Resonance-Visible Magnetic Microbubbles InÂVivo. Ultrasound in Medicine and Biology, 2016, 42, 3022-3036.	0.7	33
15	Liposome production by microfluidics: potential and limiting factors. Scientific Reports, 2016, 6, 25876.	1.6	273
16	Combined sonodynamic and antimetabolite therapy for the improved treatment of pancreatic cancer using oxygen loaded microbubbles as a delivery vehicle. Biomaterials, 2016, 80, 20-32.	5.7	116
17	Reducing Tumour Hypoxia via Oral Administration of Oxygen Nanobubbles. PLoS ONE, 2016, 11, e0168088.	1.1	52
18	Nanoparticleâ€Loaded Proteinâ€“Polymer Nanodroplets for Improved Stability and Conversion Efficiency in Ultrasound Imaging and Drug Delivery. Advanced Materials, 2015, 27, 5484-5492.	11.1	122

#	Article	IF	Citations
19	Halbach arrays consisting of cubic elements optimised for high field gradients in magnetic drug targeting applications. Physics in Medicine and Biology, 2015, 60, 8303-8327.	1.6	43
20	Biologically and Acoustically Compatible Chamber for Studying Ultrasound-Mediated Delivery of Therapeutic Compounds. Ultrasound in Medicine and Biology, 2015, 41, 1927-1937.	0.7	29
21	Magnetic targeting of microbubbles against physiologically relevant flow conditions. Interface Focus, 2015, 5, 20150001.	1.5	30
22	Oxygen carrying microbubbles for enhanced sonodynamic therapy of hypoxic tumours. Journal of Controlled Release, 2015, 203, 51-56.	4.8	225
23	Passive acoustic mapping of magnetic microbubbles for cavitation enhancement and localization. Physics in Medicine and Biology, 2015, 60, 785-806.	1.6	27
24	Technique for the Characterization of Phospholipid Microbubbles Coatings by Transmission Electron Microscopy. Ultrasound in Medicine and Biology, 2015, 41, 3253-3258.	0.7	22
25	The influence of blood on targeted microbubbles. Journal of the Royal Society Interface, 2014, 11, 20140622.	1.5	13
26	Quantification of microbubble concentration through x-ray phase contrast imaging. Applied Physics Letters, 2013, 103, 114105.	1.5	21
27	Mapping microbubble viscosity using fluorescence lifetime imaging of molecular rotors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9225-9230.	3.3	128
28	Passive acoustic mapping of magnetic microbubbles in an in vitro flow model. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
29	Investigating the effect of fabrication method on the stability and acoustic response of microbubble agents. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
30	Magnetic targeting and ultrasound mediated drug delivery: Benefits, limitations and combination. International Journal of Hyperthermia, 2012, 28, 362-373.	1.1	55
31	Understanding the Structure and Mechanism of Formation of a New Magnetic Microbubble Formulation. Theranostics, 2012, 2, 1127-1139.	4.6	18