

Richard J Browning

List of Publications by Year in descending order

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23
papers

915
citations

686830

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h-index

713013

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all docs

23
docs citations

23
times ranked

1591
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Acoustic Super-Resolution and Super-Resolved Velocity Mapping Using Microbubbles. IEEE Transactions on Medical Imaging, 2015, 34, 433-440.	5.4	315
2	Drug Delivery Strategies for Platinum-Based Chemotherapy. ACS Nano, 2017, 11, 8560-8578.	7.3	172
3	Electrohydrodynamic encapsulation of cisplatin in poly (lactic-co-glycolic acid) nanoparticles for controlled drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1919-1929.	1.7	64
4	Performance of novel high throughput multi electrospray systems for forming of polymeric micro/nanoparticles. Materials and Design, 2017, 126, 73-84.	3.3	54
5	Characterization of Contrast Agent Microbubbles for Ultrasound Imaging and Therapy Research. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 232-251.	1.7	48
6	Electrohydrodynamic fabrication of core–shell PLGA nanoparticles with controlled release of cisplatin for enhanced cancer treatment. International Journal of Nanomedicine, 2017, Volume 12, 3913-3926.	3.3	39
7	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
8	Facile and cost-effective production of microscale PDMS architectures using a combined micromilling-replica moulding (1/4Mi-REM) technique. Biomedical Microdevices, 2016, 18, 4.	1.4	36
9	Spectral imaging toolbox: segmentation, hyperstack reconstruction, and batch processing of spectral images for the determination of cell and model membrane lipid order. BMC Bioinformatics, 2017, 18, 254.	1.2	23
10	Influence of Needle Gauge On In Vivo Ultrasound and Microbubble-Mediated Gene Transfection. Ultrasound in Medicine and Biology, 2011, 37, 1531-1537.	0.7	19
11	The Role of PEG-40-stearate in the Production, Morphology, and Stability of Microbubbles. Langmuir, 2019, 35, 10014-10024.	1.6	19
12	Scaleable production of microbubbles using an ultrasound-modulated microfluidic device. Journal of the Acoustical Society of America, 2021, 150, 1577-1589.	0.5	17
13	Effect of Albumin and Dextrose Concentration on Ultrasound and Microbubble Mediated Gene Transfection In Vivo. Ultrasound in Medicine and Biology, 2012, 38, 1067-1077.	0.7	14
14	Ultrasoundâ€Triggered Delivery of Iproplatin from Microbubbleâ€Conjugated Liposomes. ChemistryOpen, 2021, 10, 1170-1176.	0.9	11
15	Microbubble-Mediated Delivery for Cancer Therapy. Fluids, 2018, 3, 74.	0.8	10
16	Enhanced gene transfection in vivo using magnetic localisation of ultrasound contrast agents: Preliminary results. , 2010, , .		8
17	Ultrasound-Mediated Gemcitabine Delivery Reduces the Normal-Tissue Toxicity of Chemoradiation Therapy in a Muscle-Invasive Bladder Cancer Model. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1472-1482.	0.4	8
18	Mouse Models of Muscle-invasive Bladder Cancer: Key Considerations for Clinical Translation Based on Molecular Subtypes. European Urology Oncology, 2019, 2, 239-247.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Spectral Imaging for Microbubble Characterization. Langmuir, 2020, 36, 609-617.	1.6	6
20	Albumin Coated Microbubble Optimization: Custom Fabrication and Comprehensive Characterization. Ultrasound in Medicine and Biology, 2012, 38, 1599-1607.	0.7	4
21	Evaluation of Loading Strategies to Improve Tumor Uptake of Gemcitabine in a Murine Orthotopic Bladder Cancer Model Using Ultrasound and Microbubbles. Ultrasound in Medicine and Biology, 2021, 47, 1596-1615.	0.7	4
22	Prospects for enhancement of targeted radionuclide therapy of cancer using ultrasound. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 279-284.	0.5	1
23	The effect of glucosamine on the acoustic and binding properties of albumin-based microbubbles (work in progress). , 2012, , .		0