

Stuart Ibsen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,027
citations

623734

14
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1753
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonogenetics is a non-invasive approach to activating neurons in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2015, 6, 8264.	12.8	266
2	Microbubble-mediated ultrasound therapy: a review of its potential in cancer treatment. <i>Drug Design, Development and Therapy</i> , 2013, 7, 375.	4.3	157
3	A Novel Doxorubicin Prodrug with Controllable Photolysis Activation for Cancer Chemotherapy. <i>Pharmaceutical Research</i> , 2010, 27, 1848-1860.	3.5	92
4	Acoustic Microcannons: Toward Advanced Microballistics. <i>ACS Nano</i> , 2016, 10, 1522-1528.	14.6	91
5	Stimuli-Responsive Biomaterials: Scaffolds for Stem Cell Control. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001125.	7.6	81
6	A novel nested liposome drug delivery vehicle capable of ultrasound triggered release of its payload. <i>Journal of Controlled Release</i> , 2011, 155, 358-366.	9.9	79
7	Enhanced Gene Delivery into Skeletal Muscles with Ultrasound and Microbubble Techniques. <i>Academic Radiology</i> , 2006, 13, 363-367.	2.5	39
8	Ultrasound-Triggered Enzymatic Gelation. <i>Advanced Materials</i> , 2020, 32, e1905914.	21.0	38
9	Recovery of Drug Delivery Nanoparticles from Human Plasma Using an Electrokinetic Platform Technology. <i>Small</i> , 2015, 11, 5088-5096.	10.0	36
10	Phospholipid/carbocyanine dye-shelled microbubbles as ultrasound-modulated fluorescent contrast agents. <i>Soft Matter</i> , 2013, 9, 2384.	2.7	23
11	Extraction protocol and mass spectrometry method for quantification of doxorubicin released locally from prodrugs in tumor tissue. <i>Journal of Mass Spectrometry</i> , 2013, 48, 768-773.	1.6	22
12	Dielectrophoretic recovery of DNA from plasma for the identification of chronic lymphocytic leukemia point mutations. <i>International Journal of Hematologic Oncology</i> , 2016, 5, 27-35.	1.6	22
13	Localized <i>In Vivo</i> Activation of a Photoactivatable Doxorubicin Prodrug in Deep Tumor Tissue. <i>Photochemistry and Photobiology</i> , 2013, 89, 698-708.	2.5	18
14	Fluorescent microscope system to monitor real-time interactions between focused ultrasound, echogenic drug delivery vehicles, and live cell membranes. <i>Ultrasonics</i> , 2013, 53, 178-184.	3.9	14
15	The behavior of lipid debris left on cell surfaces from microbubble based ultrasound molecular imaging. <i>Ultrasonics</i> , 2014, 54, 2090-2098.	3.9	13
16	Manipulating Nanoscale Features on the Surface of Dye-Loaded Microbubbles to Increase Their Ultrasound-Modulated Fluorescence Output. <i>Small</i> , 2014, 10, 3316-3324.	10.0	9
17	The influence of distance between microbubbles on the fluid flow produced during ultrasound exposure. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 3422-3430.	1.1	7
18	Ultrasound-modulated fluorescent contrast agent for optical imaging through turbid media. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6

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19	Drug Delivery Nanoparticles with Locally Tunable Toxicity Made Entirely from a Light-Activatable Prodrug of Doxorubicin. <i>Pharmaceutical Research</i> , 2017, 34, 2025-2035.	3.5	5
20	Theoretical and experimental analysis of negative dielectrophoresis induced particle trajectories. <i>Electrophoresis</i> , 2022, , .	2.4	4
21	Optical detection of harmonic oscillations in fluorescent dye-loaded microbubbles ensonified by ultrasound. <i>Optics Letters</i> , 2015, 40, 2834.	3.3	3
22	cycâ€DEP: Cyclic immunofluorescence profiling of particles collected using dielectrophoresis. <i>Electrophoresis</i> , 2022, 43, 1784-1798.	2.4	2
23	Removal of ligand-bound liposomes from cell surfaces by microbubbles exposed to ultrasound. <i>Journal of Biological Physics</i> , 2017, 43, 493-510.	1.5	0