

Eric C Abenojar

List of Publications by Year in descending order

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33
papers

1,003
citations

567281

15
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural effects on the magnetic hyperthermia properties of iron oxide nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 440-448.	4.4	253
2	Iron Oxide and Titanium Dioxide Nanoparticle Effects on Plant Performance and Root Associated Microbes. <i>International Journal of Molecular Sciences</i> , 2015, 16, 23630-23650.	4.1	125
3	Contrast enhanced ultrasound imaging by nature-inspired ultrastable echogenic nanobubbles. <i>Nanoscale</i> , 2019, 11, 15647-15658.	5.6	86
4	Sink or float? Characterization of shell-stabilized bulk nanobubbles using a resonant mass measurement technique. <i>Nanoscale</i> , 2019, 11, 851-855.	5.6	62
5	Time-intensity-curve Analysis and Tumor Extravasation of Nanobubble Ultrasound Contrast Agents. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2502-2514.	1.5	60
6	Effect of Bubble Concentration on the in Vitro and in Vivo Performance of Highly Stable Lipid Shell-Stabilized Micro- and Nanoscale Ultrasound Contrast Agents. <i>Langmuir</i> , 2019, 35, 10192-10202.	3.5	48
7	Toward Precisely Controllable Acoustic Response of Shell-Stabilized Nanobubbles: High Yield and Narrow Dispersity. <i>ACS Nano</i> , 2021, 15, 4901-4915.	14.6	43
8	Real time ultrasound molecular imaging of prostate cancer with PSMA-targeted nanobubbles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102213.	3.3	41
9	Contrast-enhanced ultrasound with sub-micron sized contrast agents detects insulinitis in mouse models of type1 diabetes. <i>Nature Communications</i> , 2020, 11, 2238.	12.8	37
10	Magnetic Glycol Chitin-Based Hydrogel Nanocomposite for Combined Thermal and Amino-Acid-Assisted Biofilm Disruption. <i>ACS Infectious Diseases</i> , 2018, 4, 1246-1256.	3.8	34
11	Concurrent visual and acoustic tracking of passive and active delivery of nanobubbles to tumors. <i>Theranostics</i> , 2020, 10, 11690-11706.	10.0	29
12	Theoretical and Experimental Gas Volume Quantification of Micro- and Nanobubble Ultrasound Contrast Agents. <i>Pharmaceutics</i> , 2020, 12, 208.	4.5	27
13	Increasing Doxorubicin Loading in Lipid-Shelled Perfluoropropane Nanobubbles via a Simple Deprotonation Strategy. <i>Frontiers in Pharmacology</i> , 2020, 11, 644.	3.5	18
14	Molecular imaging of orthotopic prostate cancer with nanobubble ultrasound contrast agents targeted to PSMA. <i>Scientific Reports</i> , 2021, 11, 4726.	3.3	18
15	A novel synthetic route for high-index faceted iron oxide concave nanocubes with high T2 relaxivity for in vivo MRI applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 58.	3.6	15
16	Ultrasound-Based Molecular Imaging of Tumors with PTPmu Biomarker-Targeted Nanobubble Contrast Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1983.	4.1	14
17	Fabrication of Metal Nanoparticle-Modified Screen Printed Carbon Electrodes for the Evaluation of Hydrogen Peroxide Content in Teeth Whitening Strips. <i>Journal of Chemical Education</i> , 2015, 92, 1913-1917.	2.3	12
18	Intracellular vesicle entrapment of nanobubble ultrasound contrast agents targeted to PSMA promotes prolonged enhancement and stability in vivo and in vitro. <i>Nanotheranostics</i> , 2022, 6, 270-285.	5.2	10

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19	Reactive Extrusion Strategies to Fabricate Magnetite@Polyethylene Nanocomposites with Enhanced Mechanical and Magnetic Hyperthermia Properties. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1525-1536.	3.6	9
20	Extrusion: A New Method for Rapid Formulation of High-Yield, Monodisperse Nanobubbles. <i>Small</i> , 2022, 18, e2200810.	10.0	9
21	The dance of the nanobubbles: detecting acoustic backscatter from sub-micron bubbles using ultra-high frequency acoustic microscopy. <i>Nanoscale</i> , 2020, 12, 21420-21428.	5.6	8
22	Iridium(III) Complex-Loaded Perfluoropropane Nanobubbles for Enhanced Sonodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2022, 33, 1057-1068.	3.6	7
23	Polymer Nanosheet Containing Star-Like Copolymers: A Novel Scalable Controlled Release System. <i>Small</i> , 2018, 14, e1800115.	10.0	5
24	Hyperthermia-mediated changes in the tumor immune microenvironment using iron oxide nanoparticles. <i>Nanoscale Advances</i> , 2021, 3, 5890-5899.	4.6	5
25	Development of a novel castration-resistant orthotopic prostate cancer model in New Zealand White rabbit. <i>Prostate</i> , 2022, 82, 695-705.	2.3	5
26	Surface Energies of Magnetic Recording Head Components. <i>Tribology Letters</i> , 2011, 41, 587-595.	2.6	4
27	The Effect of Lipid Solubilization on the Performance of Doxorubicin-Loaded Nanobubbles. , 2018, , .		4
28	High-Frequency Array-Based Nanobubble Nonlinear Imaging in a Phantom and <i>In Vivo</i> . <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 2059-2074.	3.0	3
29	Formulation of a Thermosensitive Imaging Hydrogel for Topical Application and Rapid Visualization of Tumor Margins in the Surgical Cavity. <i>Cancers</i> , 2022, 14, 3459.	3.7	2
30	Nanobubble Facilitated Optoporation and Photoacoustic Imaging of BT-474 Breast Cancer Cells. , 2018, , .		1
31	In vitro Preparation and Characterization of Magnetic Nanobubbles. , 2019, , .		1
32	Individual nanobubbles detection using acoustic based flow cytometry. , 2019, , .		0
33	Effects of shell-integrated Sudan Black dye on the acoustic activity and ultrasound imaging properties of lipid-shelled nanoscale ultrasound contrast agents. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	0