Eleanor Pj Stride

List of Publications by Year
in descending order

236	9,969	31976	48315
papers	citations	53 h-index	88 g-index

245	245	245	10641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Orally administered oxygen nanobubbles enhance tumor response to sonodynamic therapy. Nano Select, 2022, 3, 394-401.	3.7	9
2	A General Model to Calculate the Spinâ€“Lattice Relaxation Rate (<scp>R1</scp>) of Blood, Accounting for Hematocrit, Oxygen Saturation, Oxygen Partial Pressure, and Magnetic Field Strength Under Hyperoxic Conditions. Journal of Magnetic Resonance Imaging, 2022, 55, 1428-1439.	3.4	6
3	A simplified empirical model to estimate oxygen relaxivity at different magnetic fields. NMR in Biomedicine, 2022, 35, e4625.	2.8	6
4	Determination of oxygen relaxivity in oxygen nanobubbles at 3 and 7ÂTesla. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, , 1.	2.0	1
5	Neuroinflammation associated with ultrasound-mediated permeabilization of the bloodâ€“brain barrier. Trends in Neurosciences, 2022, 45, 459-470.	8.6	19
6	Beyond automatic medical image segmentationâ€”the spectrum between fully manual and fully automatic delineation. Physics in Medicine and Biology, 2022, 67, 12TR01.	3.0	9
7	A Hand-Held Magnetic Acoustic Device With Integrated Real-Time Monitoring for Targeted Drug Delivery. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2462-2473.	3.0	1
8	Modeling the Effect of Hyperoxia on the Spinâ€“Lattice Relaxation Rate <scp>R1</scp> of Tissues. Magnetic Resonance in Medicine, 2022, 88, 1867-1885.	3.0	2
9	Bactericidal Effect of Ultrasound-Responsive Microbubbles and Sub-inhibitory Gentamicin against Pseudomonas aeruginosa Biofilms on Substrates With Differing Acoustic Impedance. Ultrasound in Medicine and Biology, 2022, 48, 1888-1898.	1.5	7
10	Microbubbles Containing Lysolipid Enhance Ultrasoundâ€Mediated Bloodâ€“Brain Barrier Breakdown In Vivo. Advanced Healthcare Materials, 2021, 10, e2001343.	7.6	8
11	Studying Cavitation Enhanced Therapy. Journal of Visualized Experiments, 2021, , .	0.3	3
12	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.	0.8	8
13	In situ evaluation of spatiotemporal distribution of doxorubicin from Drug-eluting Beads in a tissue mimicking phantom. European Journal of Pharmaceutical Sciences, 2021, 160, 105772.	4.0	6
14	Tailoring the size of ultrasound responsive lipid-shelled nanodroplets by varying production parameters and environmental conditions. Ultrasonics Sonochemistry, 2021, 73, 105482.	8.2	13
15	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.	1.5	4
16	Investigation of the Acoustic Vaporization Threshold of Lipid-Coated Perfluorobutane Nanodroplets Using Both High-Speed Optical Imaging and Acoustic Methods. Ultrasound in Medicine and Biology, 2021, 47, 1826-1843.	1.5	21
17	Scaleable production of microbubbles using an ultrasound-modulated microfluidic device. Journal of the Acoustical Society of America, 2021, 150, 1577-1589.	1.1	17
18	Combining sonodynamic therapy with chemoradiation for the treatment of pancreatic cancer. Journal of Controlled Release, 2021, 337, 371-377.	9.9	21

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19	Sonodynamic therapy complements PD-L1 immune checkpoint inhibition in a murine model of pancreatic cancer. Cancer Letters, 2021, 517, 88-95.	7.2	25
20	Ultrasoundâ€Triggered Delivery of Iproplatin from Microbubbleâ€Conjugated Liposomes. ChemistryOpen, 2021, 10, 1170-1176.	1.9	11
21	Magnetic microbubble mediated chemo-sonodynamic therapy using a combined magnetic-acoustic device. Journal of Controlled Release, 2020, 317, 23-33.	9.9	38
22	Novel antibiotic-loaded particles conferring eradication of deep tissue bacterial reservoirs for the treatment of chronic urinary tract infection. Journal of Controlled Release, 2020, 328, 490-502.	9.9	12
23	Microstreaming inside Model Cells Induced by Ultrasound and Microbubbles. Langmuir, 2020, 36, 6388-6398.	3.5	12
24	Ultrasound Contrast Agent Modeling: A Review. Ultrasound in Medicine and Biology, 2020, 46, 2117-2144.	1.5	110
25	Ultrasound-Responsive Cavitation Nuclei for Therapy and Drug Delivery. Ultrasound in Medicine and Biology, 2020, 46, 1296-1325.	1.5	193
26	Microbubble Agents: New Directions. Ultrasound in Medicine and Biology, 2020, 46, 1326-1343.	1.5	118
27	Creating Supported Plasma Membrane Bilayers Using Acoustic Pressure. Membranes, 2020, 10, 30.	3.0	6
28	Enhanced efficacy in drug-resistant cancer cells through synergistic nanoparticle mediated delivery of cisplatin and decitabine. Nanoscale Advances, 2020, 2, 1177-1186.	4.6	14
29	Spectral Imaging for Microbubble Characterization. Langmuir, 2020, 36, 609-617.	3.5	6
30	Investigating the Effect of Encapsulation Processing Parameters on the Viability of Therapeutic Viruses in Electrospraying. Pharmaceutics, 2020, 12, 388.	4.5	1
31	Development of a Nanodroplet Formulation for Triggered Release of BIO for Bone Fracture Healing. Proceedings (mdpi), 2020, 78, .	0.2	0
32	Sonoprinting liposomes on tumor spheroids by microbubbles and ultrasound. Journal of Controlled Release, 2019, 316, 79-92.	9.9	32
33	Experimental observations of the behaviour of a bubble inside a circular rigid tube. International Journal of Multiphase Flow, 2019, 121, 103096.	3.4	12
34	Investigating the Role of Lipid Transfer in Microbubble-Mediated Drug Delivery. Langmuir, 2019, 35, 13205-13215.	3.5	9
35	Nucleation, mapping and control ofÂcavitation for drug delivery. Nature Reviews Physics, 2019, 1, 495-509.	26.6	83
36	Applications and limitations of machine learning in radiation oncology. British Journal of Radiology, 2019, 92, 20190001.	2.2	105

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37	Direct Evidence of Multibubble Sonoluminescence Using Therapeutic Ultrasound and Microbubbles. ACS Applied Materials & Interfaces, 2019, 11, 19913-19919.	8.0	66
38	Ultrasound-activated microbubbles as a novel intracellular drug delivery system for urinary tract infection. Journal of Controlled Release, 2019, 301, 166-175.	9.9	59
39	Sonothrombolysis with Magnetically Targeted Microbubbles. Ultrasound in Medicine and Biology, 2019, 45, 1151-1163.	1.5	30
40	Magnetic resonance imaging of oxygen microbubbles. Healthcare Technology Letters, 2019, 6, 138-142.	3.3	1
41	Development of a CMUT model for non-linear actuation and contact dynamics. , 2019, , .		1
42	Mouse Models of Muscle-invasive Bladder Cancer: Key Considerations for Clinical Translation Based on Molecular Subtypes. European Urology Oncology, 2019, 2, 239-247.	5.4	6
43	Comparing Strategies for Magnetic Functionalization of Microbubbles. ACS Applied Materials & Interfaces, 2019, 11, 1829-1840.	8.0	22
44	Microbubbles, Nanodroplets and Gas-Stabilizing Solid Particles for Ultrasound-Mediated Extravasation of Unencapsulated Drugs: An Exposure Parameter Optimization Study. Ultrasound in Medicine and Biology, 2019, 45, 954-967.	1.5	38
45	The Role of PEG-40-stearate in the Production, Morphology, and Stability of Microbubbles. Langmuir, 2019, 35, 10014-10024.	3.5	19
46	Gemcitabine loaded microbubbles for targeted chemo-sonodynamic therapy of pancreatic cancer. Journal of Controlled Release, 2018, 279, 8-16.	9.9	92
47	Gasâ€Stabilizing Gold Nanocones for Acoustically Mediated Drug Delivery. Advanced Healthcare Materials, 2018, 7, e1800184.	7.6	36
48	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.	5.8	37
49	Microbubble-Mediated Delivery for Cancer Therapy. Fluids, 2018, 3, 74.	1.7	10
50	Layered acoustofluidic resonators for the simultaneous optical and acoustic characterisation of cavitation dynamics, microstreaming, and biological effects. Biomicrofluidics, 2018, 12, 034109.	2.4	18
51	A Combined Magneticâ€Acoustic Device for Simultaneous, Coaligned Application of Magnetic and Ultrasonic Fields. Advanced Materials Technologies, 2018, 3, 1800081.	5.8	4
52	Characterisation of Functionalised Microbubbles for Ultrasound Imaging and Therapy. , 2018, , 375-389.		0
53	Understanding the dynamics of superparamagnetic particles under the influence of high field gradient arrays. Physics in Medicine and Biology, 2017, 62, 2333-2360.	3.0	31
54	Ultrasoundâ€Enhanced siRNA Delivery Using Magnetic Nanoparticleâ€Loaded Chitosanâ€Deoxycholic Acid Nanodroplets. Advanced Healthcare Materials, 2017, 6, 1601246.	7.6	69

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55	A multimodal instrument for real-time in situ study of ultrasound and cavitation mediated drug delivery. Review of Scientific Instruments, 2017, 88, 034302.	1.3	5
56	Performance of novel high throughput multi electrospray systems for forming of polymeric micro/nanoparticles. Materials and Design, 2017, 126, 73-84.	7.0	54
57	Probing supramolecular protein assembly using covalently attached fluorescent molecular rotors. Biomaterials, 2017, 139, 195-201.	11.4	35
58	Electroformation of Giant Unilamellar Vesicles on Stainless Steel Electrodes. ACS Omega, 2017, 2, 994-1002.	3.5	53
59	Drug Delivery Strategies for Platinum-Based Chemotherapy. ACS Nano, 2017, 11, 8560-8578.	14.6	172
60	Ultrasound propagation through dilute polydisperse microbubble suspensions. Journal of the Acoustical Society of America, 2017, 142, 1236-1248.	1.1	1
61	Laser-driven resonance of dye-doped oil-coated microbubbles: Experimental study. Journal of the Acoustical Society of America, 2017, 141, 4832-4846.	1.1	6
62	Laser-driven resonance of dye-doped oil-coated microbubbles: A theoretical and numerical study. Journal of the Acoustical Society of America, 2017, 141, 2727-2745.	1.1	7
63	Magnetically responsive microbubbles as delivery vehicles for targeted sonodynamic and antimetabolite therapy of pancreatic cancer. Journal of Controlled Release, 2017, 262, 192-200.	9.9	47
64	Quantification of cell-bubble interactions in a 3D engineered tissue phantom. Scientific Reports, 2017, 7, 6331.	3.3	11
65	Magnetic targeting to enhance microbubble delivery in an occluded microarterial bifurcation. Physics in Medicine and Biology, 2017, 62, 7451-7470.	3.0	16
66	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.	2.6	23
67	Modulation of the molecular arrangement in artificial and biological membranes by phospholipid-shelled microbubbles. Biomaterials, 2017, 113, 105-117.	11.4	44
68	Characterization of Contrast Agent Microbubbles for Ultrasound Imaging and Therapy Research. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 232-251.	3.0	48
69	A combined three-dimensional in vitroâ€“in silico approach to modelling bubble dynamics in decompression sickness. Journal of the Royal Society Interface, 2017, 14, 20170653.	3.4	4
70	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.	6.7	39
71	Optimized shapes of magnetic arrays for drug targeting applications. Journal Physics D: Applied Physics, 2016, 49, 225501.	2.8	31
72	The effect of particle density on ultrasound-mediated transport of nanoparticles. Physics in Medicine and Biology, 2016, 61, 7906-7918.	3.0	14

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73	In vitro methods to study bubble-cell interactions: Fundamentals and therapeutic applications. Biomicrofluidics, 2016, 10, 011501.	2.4	45
74	Electrohydrodynamic encapsulation of cisplatin in poly (lactic-co-glycolic acid) nanoparticles for controlled drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1919-1929.	3.3	64
75	Electrosprayed nanoparticle delivery system for controlled release. Materials Science and Engineering C, 2016, 66, 138-146.	7.3	70
76	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.	1.5	33
77	Manufacturing Man-Made Magnetosomes: High-Throughput In Situ Synthesis of Biomimetic Magnetite Loaded Nanovesicles. Macromolecular Bioscience, 2016, 16, 1555-1561.	4.1	8
78	The effect of needle tip displacement in co-axial electrohydrodynamic processing. RSC Advances, 2016, 6, 75258-75268.	3.6	5
79	Liposome production by microfluidics: potential and limiting factors. Scientific Reports, 2016, 6, 25876.	3.3	273
80	Ultrahigh-Speed Dynamics of Micrometer-Scale Inertial Cavitation from Nanoparticles. Physical Review Applied, 2016, 6, .	3.8	26
81	Macromol. Biosci. 11/2016. Macromolecular Bioscience, 2016, 16, 1736-1736.	4.1	1
82	Analysis of the Uncertainty in Microbubble Characterization. Ultrasound in Medicine and Biology, 2016, 42, 1412-1418.	1.5	5
83	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.	11.4	116
84	Facile and cost-effective production of microscale PDMS architectures using a combined micromilling-replica moulding (Î¼Mi-REM) technique. Biomedical Microdevices, 2016, 18, 4.	2.8	36
85	Reducing Tumour Hypoxia via Oral Administration of Oxygen Nanobubbles. PLoS ONE, 2016, 11, e0168088.	2.5	52
86	Physical Principles of Microbubbles for Ultrasound Imaging and Therapy. Frontiers of Neurology and Neuroscience, 2015, 36, 11-22.	2.8	26
87	Nanoparticleâ€Loaded Proteinâ€“Polymer Nanodroplets for Improved Stability and Conversion Efficiency in Ultrasound Imaging and Drug Delivery. Advanced Materials, 2015, 27, 5484-5492.	21.0	122
88	Ultrasound-Propelled Nanocups for Drug Delivery. Small, 2015, 11, 5305-5314.	10.0	191
89	Ultrasound-induced inertial cavitation from gas-stabilizing nanoparticles. Physical Review E, 2015, 92, 023019.	2.1	70
90	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.	3.0	43

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91	Biologically and Acoustically Compatible Chamber for Studying Ultrasound-Mediated Delivery of Therapeutic Compounds. Ultrasound in Medicine and Biology, 2015, 41, 1927-1937.	1.5	29
92	Magnetic targeting of microbubbles against physiologically relevant flow conditions. Interface Focus, 2015, 5, 20150001.	3.0	30
93	Oxygen carrying microbubbles for enhanced sonodynamic therapy of hypoxic tumours. Journal of Controlled Release, 2015, 203, 51-56.	9.9	225
94	Passive acoustic mapping of magnetic microbubbles for cavitation enhancement and localization. Physics in Medicine and Biology, 2015, 60, 785-806.	3.0	27
95	Pharmaceutical microparticle engineering with electrospraying: the role of mixed solvent systems in particle formation and characteristics. Journal of Materials Science: Materials in Medicine, 2015, 26, 61.	3.6	29
96	Preparation, characterization and release kinetics of ethylcellulose nanoparticles encapsulating ethylvanillin as a model functional component. Journal of Functional Foods, 2015, 14, 726-735.	3.4	32
97	Technique for the Characterization of Phospholipid Microbubbles Coatings by Transmission Electron Microscopy. Ultrasound in Medicine and Biology, 2015, 41, 3253-3258.	1.5	22
98	Evaluation of microbubble contrast agents for dynamic imaging with x-ray phase contrast. Scientific Reports, 2015, 5, 12509.	3.3	25
99	Microscale Acoustofluidics. Ultrasound in Medicine and Biology, 2015, 41, 2783.	1.5	1
100	The effect of surfactant type and concentration on the size and stability of microbubbles produced in a capillary embedded T-junction device. RSC Advances, 2015, 5, 10751-10762.	3.6	49
101	Microfluidic system for high throughput characterisation of echogenic particles. Lab on A Chip, 2015, 15, 417-428.	6.0	21
102	Novel preparation of controlled porosity particle/fibre loaded scaffolds using a hybrid micro-fluidic and electrohydrodynamic technique. Biofabrication, 2014, 6, 045010.	7.1	17
103	Experimental characterisation of holographic optical traps for microbubbles. , 2014, , .		3
104	Preparation of Multilayered Polymeric Structures Using a Novel Fourâ€Needle Coaxial Electrohydrodynamic Device. Macromolecular Rapid Communications, 2014, 35, 618-623.	3.9	70
105	Properties, characteristics and applications of microbubbles for sonothrombolysis. Expert Opinion on Drug Delivery, 2014, 11, 187-209.	5.0	66
106	The influence of blood on targeted microbubbles. Journal of the Royal Society Interface, 2014, 11, 20140622.	3.4	13
107	Preparation of monodisperse microbubbles using an integrated embedded capillary T-junction with electrohydrodynamic focusing. Lab on A Chip, 2014, 14, 2437-2446.	6.0	49
108	A portable device for in situ deposition of bioproducts. Bioinspired, Biomimetic and Nanobiomaterials, 2014, 3, 94-105.	0.9	22

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109	Electrohydrodynamic printing of silk fibroin. Macromolecular Research, 2013, 21, 339-342.	2.4	6
110	Novel electrically driven direct-writing methods with managed control on in-situ shape and encapsulation polymer forming. International Journal of Material Forming, 2013, 6, 281-288.	2.0	6
111	Preparation, Characterization, and Release of Amoxicillin from Electrospun Fibrous Wound Dressing Patches. Pharmaceutical Research, 2013, 30, 1926-1938.	3.5	64
112	Electrospinning of ethyl cellulose fibres with glass and steel needle configurations. Food Research International, 2013, 54, 1761-1772.	6.2	19
113	Electrosprayed coreâ€“shell polymerâ€“lipid nanoparticles for active component delivery. Nanotechnology, 2013, 24, 465604.	2.6	33
114	Encapsulation of superparamagnetic iron oxide nanoparticles in poly-(lactide-co-glycolic acid) microspheres for biomedical applications. Materials Science and Engineering C, 2013, 33, 3129-3137.	7.3	24
115	Effect of operating conditions and liquid physical properties on the size of monodisperse microbubbles produced in a capillary embedded T-junction device. Microfluidics and Nanofluidics, 2013, 14, 797-808.	2.2	34
116	Continuous Generation of Ethyl Cellulose Drug Delivery Nanocarriers from Microbubbles. Pharmaceutical Research, 2013, 30, 225-237.	3.5	43
117	Preparation of multicompartment sub-micron particles using a triple-needle electrohydrodynamic device. Journal of Colloid and Interface Science, 2013, 409, 245-254.	9.4	32
118	Preparation of solid lipid nanoparticles containing active compound by electrohydrodynamic spraying. Food Research International, 2013, 53, 88-95.	6.2	58
119	The cytoplasm of living cells behaves as a poroelastic material. Nature Materials, 2013, 12, 253-261.	27.5	527
120	Application of Electrohydrodynamic Technology for Folic Acid Encapsulation. Food and Bioprocess Technology, 2013, 6, 1837-1846.	4.7	37
121	Ultrasound mediated release from stimuli-responsive coreâ€“shell capsules. Journal of Materials Chemistry B, 2013, 1, 3962.	5.8	12
122	Design, construction and performance of a portable handheld electrohydrodynamic multi-needle spray gun for biomedical applications. Materials Science and Engineering C, 2013, 33, 213-223.	7.3	59
123	Nonlinear dynamics of polymer shell ultrasound contrast agents at 8–32 MHz ultrasonic excitations. , 2013, , .		0
124	Electrohydrodynamic Bubbling: An Alternative Route to Fabricate Porous Structures of Silk Fibroin Based Materials. Biomacromolecules, 2013, 14, 1412-1422.	5.4	35
125	The acoustic signature of decaying resonant phospholipid microbubbles. Physics in Medicine and Biology, 2013, 58, 589-599.	3.0	11
126	Light propagation in a turbid medium with insonified microbubbles. Journal of Biomedical Optics, 2013, 18, 015002.	2.6	6

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127	A theoretical investigation of photoacoustic contrast agents. Journal of the Acoustical Society of America, 2013, 133, 3853-3862.	1.1	8
128	An encapsulated drug delivery system for recalcitrant urinary tract infection. Journal of the Royal Society Interface, 2013, 10, 20130747.	3.4	15
129	Surfactant shedding and gas diffusion during pulsed ultrasound through a microbubble contrast agent suspension. Journal of the Acoustical Society of America, 2013, 134, 1416-1427.	1.1	14
130	Quantification of microbubble concentration through x-ray phase contrast imaging. Applied Physics Letters, 2013, 103, 114105.	3.3	21
131	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.	7.1	128
132	Ultrasound-stimulated drug release from polymer micro and nanoparticles. Bioinspired, Biomimetic and Nanobiomaterials, 2013, 2, 3-10.	0.9	6
133	Investigating the acoustic response of gold nanoparticle coated microbubbles. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
134	Passive acoustic mapping of magnetic microbubbles in an in vitro flow model. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
135	The effect of surfactant shedding and gas diffusion on pressure wave propagation through an ultrasound contrast agent suspension. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
136	Investigating the effect of fabrication method on the stability and acoustic response of microbubble agents. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
137	Investigating the sensitivity of microbubble acoustic response for biosensing applications. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
138	Bioinspired bubble design for particle generation. Journal of the Royal Society Interface, 2012, 9, 389-395.	3.4	13
139	An algorithm for sensing venous oxygenation using ultrasound-modulated light enhanced by microbubbles. , 2012, , .		2
140	The â€œquasi-stableâ€•lipid shelled microbubble in response to consecutive ultrasound pulses. Applied Physics Letters, 2012, 101, 071601.	3.3	23
141	How Do Microbubbles and Ultrasound Interact? Basic Physical, Dynamic and Engineering Principles. Current Pharmaceutical Design, 2012, 18, 2118-2134.	1.9	54
142	Controlled preparation of drug-exchange phase loaded polymeric fibres. Bioinspired, Biomimetic and Nanobiomaterials, 2012, 1, 48-56.	0.9	6
143	Dissolution of coated microbubbles: The effect of nanoparticles and surfactant concentration. Materials Science and Engineering C, 2012, 32, 2654-2658.	7.3	38
144	Evaluation of Methods for Sizing and Counting of Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2012, 38, 834-845.	1.5	42

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145	Theoretical and Experimental Characterisation of Magnetic Microbubbles. Ultrasound in Medicine and Biology, 2012, 38, 864-875.	1.5	32
146	The Influence of Gas Saturation on Microbubble Stability. Ultrasound in Medicine and Biology, 2012, 38, 1097-1100.	1.5	26
147	Magnetic targeting and ultrasound mediated drug delivery: Benefits, limitations and combination. International Journal of Hyperthermia, 2012, 28, 362-373.	2.5	55
148	Particle formation and characteristics of Celecoxib-loaded poly(lactic-co-glycolic acid) microparticles prepared in different solvents using electrospraying. Polymer, 2012, 53, 3220-3229.	3.8	49
149	Effects of Gold Nanoparticles on the Stability of Microbubbles. Langmuir, 2012, 28, 13808-13815.	3.5	42
150	Release profile and characteristics of electrosprayed particles for oral delivery of a practically insoluble drug. Journal of the Royal Society Interface, 2012, 9, 2437-2449.	3.4	52
151	Modification of the release characteristics of estradiol encapsulated in PLGA particles via surface coating. Therapeutic Delivery, 2012, 3, 209-226.	2.2	6
152	Understanding the Structure and Mechanism of Formation of a New Magnetic Microbubble Formulation. Theranostics, 2012, 2, 1127-1139.	10.0	18
153	Electrospraying and Electrospinning of Chocolate Suspensions. Food and Bioprocess Technology, 2012, 5, 2285-2300.	4.7	48
154	Calcium Alginate Foams Prepared by a Microfluidic T-Junction System: Stability and Food Applications. Food and Bioprocess Technology, 2012, 5, 2848-2857.	4.7	21
155	Mapping the Influence of Solubility and Dielectric Constant on Electrospinning Polycaprolactone Solutions. Macromolecules, 2012, 45, 4669-4680.	4.8	211
156	Electrospinning versus fibre production methods: from specifics to technological convergence. Chemical Society Reviews, 2012, 41, 4708.	38.1	548
157	A novel hybrid system for the fabrication of a fibrous mesh with micro-inclusions. Carbohydrate Polymers, 2012, 89, 222-229.	10.2	9
158	Hot electrospinning of polyurethane fibres. Materials Letters, 2012, 68, 482-485.	2.6	14
159	A device for the fabrication of multifunctional particles from microbubble suspensions. Materials Science and Engineering C, 2012, 32, 1005-1010.	7.3	10
160	Feasibility Study of Non-invasive Oxygenation Measurement in a Deep Blood Vessel Using Acousto-Optics and Microbubbles. Advances in Experimental Medicine and Biology, 2012, 737, 277-283.	1.6	0
161	Magnetic Microbubbles. , 2012, , 499-522.		0
162	Quantitative contrast-enhanced ultrasound imaging: a review of sources of variability. Interface Focus, 2011, 1, 520-539.	3.0	248

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163	Stimulus-responsive liquids for encapsulation storage and controlled release of drugs from nano-shell capsules. Journal of the Royal Society Interface, 2011, 8, 451-456.	3.4	14
164	Nanoparticle Delivery Systems Formed Using Electrically Sprayed Co-Flowing Excipients and Active Agent. Journal of Biomedical Nanotechnology, 2011, 7, 782-793.	1.1	9
165	Fabrication of Biomaterials via Controlled Protein Bubble Generation and Manipulation. Biomacromolecules, 2011, 12, 4291-4300.	5.4	34
166	Forced vibrations of a bubble in a liquid-filled elastic vessel. Journal of the Acoustical Society of America, 2011, 130, 2700-2708.	1.1	9
167	Nano-organized shells and their application in controlled release. Therapeutic Delivery, 2011, 2, 1247-1257.	2.2	2
168	Microbubble enhancement of ultrasound-modulated optical sensing with incoherent light. Proceedings of SPIE, 2011, , .	0.8	2
169	Effect of bubble shell nonlinearity on ultrasound nonlinear propagation through microbubble populations. Journal of the Acoustical Society of America, 2011, 129, EL76-EL82.	1.1	16
170	Temperature-Dependent Differences in the Nonlinear Acoustic Behavior of Ultrasound Contrast Agents Revealed by High-Speed Imaging and Bulk Acoustics. Ultrasound in Medicine and Biology, 2011, 37, 1509-1517.	1.5	26
171	Electrospinning short polymer micro-fibres with average aspect ratios in the range of 10â€“200. Journal of Polymer Research, 2011, 18, 2515-2522.	2.4	22
172	Electrohydrodynamic preparation of polymeric drug-carrier particles: Mapping of the process. International Journal of Pharmaceutics, 2011, 404, 110-115.	5.2	17
173	Forming of Protein Bubbles and Porous Films Using Coâ€Axial Electrohydrodynamic Flow Processing. Macromolecular Materials and Engineering, 2011, 296, 8-13.	3.6	12
174	Electrohydrodynamic preparation of particles, capsules and bubbles for biomedical engineering applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 382, 154-164.	4.7	113
175	Preparation of microspheres containing low solubility drug compound by electrohydrodynamic spraying. International Journal of Pharmaceutics, 2011, 412, 59-67.	5.2	66
176	Accounting for the stability of microbubbles to multi-pulse excitation using a lipid-shedding model. Journal of the Acoustical Society of America, 2011, 130, EL180-EL185.	1.1	24
177	Temperature Dependent Behavior of Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2010, 36, 925-934.	1.5	60
178	Novel preparation and characterization of porous alginate films. Carbohydrate Polymers, 2010, 79, 989-997.	10.2	25
179	Improved Functionality of the Online 2009 Subject Index. Ultrasound in Medicine and Biology, 2010, 36, 1.	1.5	2
180	FABRICATION OF NANOPOROUS CHITOSAN MEMBRANES. Nano, 2010, 05, 53-60.	1.0	2

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