

Kevin J Haworth

List of Publications by Year in descending order

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51
papers

1,706
citations

331642

21
h-index

276858

41
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64
all docs

64
docs citations

64
times ranked

1394
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Characterization of an Ultrasound Transducer for Combined Histotripsy-Thrombolytic Therapy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 156-165.	3.0	11
2	Advances in Immunotherapy for the Treatment of Adult Glioblastoma: Overcoming Chemical and Physical Barriers. Cancers, 2022, 14, 1627.	3.7	7
3	Effect of Thrombin and Incubation Time on Porcine Whole Blood Clot Elasticity and Recombinant Tissue Plasminogen Activator Susceptibility. Ultrasound in Medicine and Biology, 2022, 48, 1567-1578.	1.5	3
4	Cavitation Emissions Nucleated by Definity Infused through an EkoSonic Catheter in a Flow Phantom. Ultrasound in Medicine and Biology, 2021, 47, 693-709.	1.5	8
5	Controlling Reperfusion Injury With Controlled Reperfusion: Historical Perspectives and New Paradigms. Journal of Cardiovascular Pharmacology and Therapeutics, 2021, 26, 504-523.	2.0	10
6	Clot Degradation Under the Action of Histotripsy Bubble Activity and a Lytic Drug. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 2942-2952.	3.0	9
7	Stabilizing Peri-Stent Restenosis Using a Novel Therapeutic Carrier. JACC Basic To Translational Science, 2020, 5, 1-11.	4.1	10
8	In Vitro Thrombolytic Efficacy of Single- and Five-Cycle Histotripsy Pulses and rt-PA. Ultrasound in Medicine and Biology, 2020, 46, 336-349.	1.5	26
9	The effect of 220kHz insonation scheme on rt-PA thrombolytic efficacy <i>in vitro</i> . Physics in Medicine and Biology, 2019, 64, 165015.	3.0	8
10	Characterization and Imaging of Lipid-Shelled Microbubbles for Ultrasound-Triggered Release of Xenon. Neurotherapeutics, 2019, 16, 878-890.	4.4	24
11	Carbon Nanotube Wire for Use in Precision Medical Devices. , 2019, , 825-849.		1
12	Acoustic droplet vaporization-mediated dissolved oxygen scavenging in blood-mimicking fluids, plasma, and blood. Ultrasonics Sonochemistry, 2019, 56, 114-124.	8.2	7
13	Multiple-Exposure Drug Release from Stable Nanodroplets by High-Intensity Focused Ultrasound for a Potential Degenerative Disc Disease Treatment. Ultrasound in Medicine and Biology, 2019, 45, 160-169.	1.5	8
14	<i>Post Hoc</i> Analysis of Passive Cavitation Imaging for Classification of Histotripsy-Induced Liquefaction <i>in Vitro</i> . IEEE Transactions on Medical Imaging, 2018, 37, 106-115.	8.9	39
15	Effect of Clot Stiffness on Recombinant Tissue Plasminogen Activator Lytic Susceptibility <i>In Vitro</i> . Ultrasound in Medicine and Biology, 2018, 44, 2710-2727.	1.5	35
16	Frequency-sum beamforming for passive cavitation imaging. Journal of the Acoustical Society of America, 2018, 144, 198-209.	1.1	22
17	Quantitative Frequency-Domain Passive Cavitation Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 177-191.	3.0	113
18	Dissolved oxygen scavenging by acoustic droplet vaporization using intravascular ultrasound. , 2017, , .		0

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19	Dissolved oxygen scavenging by acoustic droplet vaporization using intravascular ultrasound. , 2017, 2017, .		3
20	Size-isolation of ultrasound-mediated phase change perfluorocarbon droplets using differential centrifugation. Journal of the Acoustical Society of America, 2016, 139, EL142-EL148.	1.1	14
21	Scavenging dissolved oxygen via acoustic droplet vaporization. Ultrasonics Sonochemistry, 2016, 31, 394-403.	8.2	30
22	Delivery of bevacizumab to atheromatous porcine carotid tissue using echogenic liposomes. Drug Delivery, 2016, 23, 3594-3605.	5.7	8
23	Efficacy of histotripsy combined with rt-PA<i>in vitro</i>. Physics in Medicine and Biology, 2016, 61, 5253-5274.	3.0	48
24	Trans-Stent B-Mode Ultrasound and Passive Cavitation Imaging. Ultrasound in Medicine and Biology, 2016, 42, 518-527.	1.5	27
25	Ultrasound-enhanced bevacizumab release from echogenic liposomes for inhibition of atheroma progression. Journal of Liposome Research, 2016, 26, 47-56.	3.3	14
26	Using Passive Cavitation Images to Classify High-Intensity Focused Ultrasound Lesions. Ultrasound in Medicine and Biology, 2015, 41, 2420-2434.	1.5	35
27	Loss of Echogenicity and Onset of Cavitation from Echogenic Liposomes: Pulse Repetition Frequency Independence. Ultrasound in Medicine and Biology, 2015, 41, 208-221.	1.5	8
28	Mechanical properties and fibrin characteristics of endovascular coilâ€œclot complexes: relevance to endovascular cerebral aneurysm repair paradigms. Journal of NeuroInterventional Surgery, 2015, 7, 291-296.	3.3	11
29	Broadband Attenuation Measurements of Phospholipid-Shelled Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2014, 40, 410-421.	1.5	68
30	Age- and Gender-Related Changes in Ventricular Performance in Wild-Type FVB/N Mice as Evaluated by Conventional and Vector Velocity Echocardiography Imaging: A Retrospective Study. Ultrasound in Medicine and Biology, 2013, 39, 2034-2043.	1.5	23
31	The impact of bubbles on measurement of drug release from echogenic liposomes. Ultrasonics Sonochemistry, 2013, 20, 1121-1130.	8.2	21
32	Ultrasound-mediated drug delivery for cardiovascular disease. Expert Opinion on Drug Delivery, 2013, 10, 573-592.	5.0	74
33	Relationship between cavitation and loss of echogenicity from ultrasound contrast agents. Physics in Medicine and Biology, 2013, 58, 6541-6563.	3.0	46
34	Spatial specificity and sensitivity of passive cavitation imaging for monitoring high-intensity focused ultrasound thermal ablation in ex vivo bovine liver. Proceedings of Meetings on Acoustics, 2013, 19, 075022.	0.3	4
35	Automated In Vivo Platform for the Discovery of Functional Food Treatments of Hypercholesterolemia. PLoS ONE, 2013, 8, e52409.	2.5	4
36	Passive imaging with pulsed ultrasound insonations. Journal of the Acoustical Society of America, 2012, 132, 544-553.	1.1	101

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37	Stability of Echogenic Liposomes as a Blood Pool Ultrasound Contrast Agent in a Physiologic Flow Phantom. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 1970-1981.	1.5	22
38	Acoustic Droplet Vaporization for Enhancement of Thermal Ablation by High Intensity Focused Ultrasound. <i>Academic Radiology</i> , 2011, 18, 1123-1132.	2.5	97
39	Ultrasound-Enhanced rt-PA Thrombolysis in an ex Vivo Porcine Carotid Artery Model. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1240-1251.	1.5	93
40	Acoustic characterization of echogenic liposomes: Frequency-dependent attenuation and backscatter. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3472-3481.	1.1	55
41	Delivery of Chlorambucil Using an Acoustically-Triggered Perfluoropentane Emulsion. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 1364-1375.	1.5	136
42	Initial Investigation of Acoustic Droplet Vaporization for Occlusion in Canine Kidney. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 1691-1703.	1.5	113
43	Generalized shot noise model for time-reversal in multiple-scattering media allowing for arbitrary inputs and windowing. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 3129.	1.1	6
44	The role of inertial cavitation in acoustic droplet vaporization. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 1006-1017.	3.0	196
45	Ultrasonic delivery of a chemotherapeutic agent using acoustic droplet vaporization (ADV). , 2009, , .		0
46	WE-E-304A-05: Acoustic Droplet Vaporization for Enhancement of High Intensity Focused Ultrasound Thermal Ablation. <i>Medical Physics</i> , 2009, 36, 2786-2787.	3.0	1
47	Towards Aberration Correction of Transcranial Ultrasound Using Acoustic Droplet Vaporization. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 435-445.	1.5	90
48	The role of inertial cavitation in acoustic droplet vaporization. , 2008, , .		2
49	Mean echo power as a measure of flow reduction for bubble occlusion therapy. , 2008, , .		0
50	Initial growth and coalescence of acoustically vaporized perfluorocarbon microdroplets. , 2008, , .		6
51	SU-CC-0196: Vascular Occlusion by Acoustically Vaporized Droplets for Potential Targeted Enhancement of Thermal Therapies. <i>Medical Physics</i> , 2008, 35, 2724-2725.	3.0	0