

Michael R Bailey

List of Publications by Year in descending order

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159
papers

7,813
citations

46918

47
h-index

54797

84
g-index

182
all docs

182
docs citations

182
times ranked

3964
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of Therapeutic Ultrasound Applications and Safety Considerations. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 623-634.	0.8	493
2	Physical mechanisms of the therapeutic effect of ultrasound (a review). <i>Acoustical Physics</i> , 2003, 49, 369-388.	0.2	379
3	Real-time visualization of high-intensity focused ultrasound treatment using ultrasound imaging. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 33-42.	0.7	370
4	Acoustic characterization of high intensity focused ultrasound fields: A combined measurement and modeling approach. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 2406-2420.	0.5	258
5	Cavitation clouds created by shock scattering from bubbles during histotripsy. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 1888-1898.	0.5	256
6	Shock Wave Technology and Application: An Update. <i>European Urology</i> , 2011, 59, 784-796.	0.9	251
7	Blood Vessel Deformations on Microsecond Time Scales by Ultrasonic Cavitation. <i>Physical Review Letters</i> , 2011, 106, 034301.	2.9	250
8	Effects of nonlinear propagation, cavitation, and boiling in lesion formation by high intensity focused ultrasound in a gel phantom. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 1834-1848.	0.5	246
9	An overview of kidney stone imaging techniques. <i>Nature Reviews Urology</i> , 2016, 13, 654-662.	1.9	228
10	Cavitation Bubble Cluster Activity in the Breakage of Kidney Stones by Lithotripter Shockwaves. <i>Journal of Endourology</i> , 2003, 17, 435-446.	1.1	196
11	Shock-Induced Heating and Millisecond Boiling in Gels and Tissue Due to High Intensity Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 250-267.	0.7	181
12	Controlled tissue emulsification produced by high intensity focused ultrasound shock waves and millisecond boiling. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3498-3510.	0.5	154
13	Radiation force of an arbitrary acoustic beam on an elastic sphere in a fluid. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 661-676.	0.5	152
14	Effect of overpressure and pulse repetition frequency on cavitation in shock wave lithotripsy. <i>Journal of the Acoustical Society of America</i> , 2002, 112, 1183-1195.	0.5	141
15	A mechanistic analysis of stone fracture in lithotripsy. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 1190-1202.	0.5	140
16	Use of overpressure to assess the role of bubbles in focused ultrasound lesion shape in vitro. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 695-708.	0.7	128
17	Characterization of a multi-element clinical HIFU system using acoustic holography and nonlinear modeling. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1683-1698.	1.7	114
18	Hemostasis of punctured blood vessels using high-intensity focused ultrasound. <i>Ultrasound in Medicine and Biology</i> , 1998, 24, 903-910.	0.7	106

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19	Kidney Damage and Renal Functional Changes are Minimized by Waveform Control that Suppresses Cavitation in Shock Wave Lithotripsy. <i>Journal of Urology</i> , 2002, 168, 1556-1562.	0.2	106
20	Fragmentation of Urinary Calculi In Vitro by Burst Wave Lithotripsy. <i>Journal of Urology</i> , 2015, 193, 338-344.	0.2	97
21	Effect of high-intensity focused ultrasound on whole blood with and without microbubble contrast agent. <i>Ultrasound in Medicine and Biology</i> , 1999, 25, 991-998.	0.7	96
22	Ultrasonic atomization of tissue and its role in tissue fractionation by high intensity focused ultrasound. <i>Physics in Medicine and Biology</i> , 2012, 57, 8061-8078.	1.6	95
23	A dual passive cavitation detector for localized detection of lithotripsy-induced cavitation in vitro. <i>Journal of the Acoustical Society of America</i> , 2000, 107, 1745-1758.	0.5	91
24	Histological and Biochemical Analysis of Mechanical and Thermal Bioeffects in Boiling Histotripsy Lesions Induced by High Intensity Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 424-438.	0.7	91
25	Ultrasound-guided tissue fractionation by high intensity focused ultrasound in an in vivo porcine liver model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8161-8166.	3.3	89
26	Use of a dual-pulse lithotripter to generate a localized and intensified cavitation field. <i>Journal of the Acoustical Society of America</i> , 2001, 110, 1685-1695.	0.5	87
27	Observations of Translation and Jetting of Ultrasound-Activated Microbubbles in Mesenteric Microvessels. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 2139-2148.	0.7	86
28	Disintegration of Tissue Using High Intensity Focused Ultrasound: Two Approaches That Utilize Shock Waves. <i>Acoustics Today</i> , 2012, 8, 24.	1.0	86
29	Cavitation detection during shock-wave lithotripsy. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 1245-1256.	0.7	84
30	Design and characterization of a research electrohydraulic lithotripter patterned after the Dornier HM3. <i>Review of Scientific Instruments</i> , 2000, 71, 2514-2525.	0.6	83
31	Blood vessel rupture by cavitation. <i>Urological Research</i> , 2010, 38, 321-326.	1.5	83
32	Ultracal-30 gypsum artificial stones for research on the mechanisms of stone breakage in shock wave lithotripsy. <i>Urological Research</i> , 2005, 33, 429-434.	1.5	82
33	The Risk of Exposure to Diagnostic Ultrasound in Postnatal Subjects. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 565-592.	0.8	79
34	Noninvasive acoustic manipulation of objects in a living body. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16848-16855.	3.3	77
35	Comparison of electrohydraulic lithotripters with rigid and pressure-release ellipsoidal reflectors. II. Cavitation fields. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 1149-1160.	0.5	73
36	Cavitation selectively reduces the negative-pressure phase of lithotripter shock pulses. <i>Acoustics Research Letters Online: ARLO</i> , 2005, 6, 280-286.	0.7	73

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37	Magnetic resonance imaging of boiling induced by high intensity focused ultrasound. Journal of the Acoustical Society of America, 2009, 125, 2420-2431.	0.5	71
38	Comparison of electrohydraulic lithotripters with rigid and pressure-release ellipsoidal reflectors. I. Acoustic fields. Journal of the Acoustical Society of America, 1998, 104, 2517-2524.	0.5	69
39	Design of HIFU Transducers for Generating Specified Nonlinear Ultrasound Fields. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 374-390.	1.7	67
40	Pretreatment with low-energy shock waves induces renal vasoconstriction during standard shock wave lithotripsy (SWL): a treatment protocol known to reduce SWL-induced renal injury. BJU International, 2009, 103, 1270-1274.	1.3	64
41	Focusing of high power ultrasound beams and limiting values of shock wave parameters. Acoustical Physics, 2009, 55, 463-473.	0.2	64
42	Ultrasonic atomization of liquids in drop-chain acoustic fountains. Journal of Fluid Mechanics, 2015, 766, 129-146.	1.4	61
43	A Prototype Therapy System for Transcutaneous Application of Boiling Histotripsy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1542-1557.	1.7	55
44	First in Human Clinical Trial of Ultrasonic Propulsion of Kidney Stones. Journal of Urology, 2016, 195, 956-964.	0.2	54
45	B-mode Ultrasound Versus Color Doppler Twinkling Artifact in Detecting Kidney Stones. Journal of Endourology, 2013, 27, 149-153.	1.1	51
46	A derating method for therapeutic applications of high intensity focused ultrasound. Acoustical Physics, 2010, 56, 354-363.	0.2	50
47	Conditionally Increased Acoustic Pressures in Nonfetal Diagnostic Ultrasound Examinations Without Contrast Agents: A Preliminary Assessment. Journal of Ultrasound in Medicine, 2015, 34, 1-41.	0.8	48
48	Evidence for Trapped Surface Bubbles as the Cause for the Twinkling Artifact in Ultrasound Imaging. Ultrasound in Medicine and Biology, 2013, 39, 1026-1038.	0.7	46
49	Dual-pulse lithotripter accelerates stone fragmentation and reduces cell lysis in vitro. Ultrasound in Medicine and Biology, 2003, 29, 1045-1052.	0.7	45
50	Novel ultrasound method to reposition kidney stones. Urological Research, 2010, 38, 491-495.	1.5	44
51	Quantitative Assessment of Shockwave Lithotripsy Accuracy and the Effect of Respiratory Motion. Journal of Endourology, 2012, 26, 1070-1074.	1.1	43
52	Focused Ultrasound to Expel Calculi From the Kidney. Journal of Urology, 2012, 187, 739-743.	0.2	43
53	Focused Ultrasound to Expel Calculi from the Kidney: Safety and Efficacy of a Clinical Prototype Device. Journal of Urology, 2013, 190, 1090-1095.	0.2	43
54	Use of the Acoustic Shadow Width to Determine Kidney Stone Size with Ultrasound. Journal of Urology, 2016, 195, 171-177.	0.2	43

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55	Dependence of Boiling Histotripsy Treatment Efficiency on HIFU Frequency and Focal Pressure Levels. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1975-1985.	0.7	42
56	Tools to Improve the Accuracy of Kidney Stone Sizing with Ultrasound. <i>Journal of Endourology</i> , 2015, 29, 147-152.	1.1	36
57	A reduced-order, single-bubble cavitation model with applications to therapeutic ultrasound. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3511-3530.	0.5	35
58	Effect of macroscopic air bubbles on cell lysis by shock wave lithotripsy in vitro. <i>Ultrasound in Medicine and Biology</i> , 1999, 25, 473-479.	0.7	33
59	Prefocal Alignment Improves Stone Comminution in Shockwave Lithotripsy. <i>Journal of Endourology</i> , 2002, 16, 709-715.	1.1	32
60	Pilot in vivo studies on transcutaneous boiling histotripsy in porcine liver and kidney. <i>Scientific Reports</i> , 2019, 9, 20176.	1.6	32
61	Preclinical Safety and Effectiveness Studies of Ultrasonic Propulsion of Kidney Stones. <i>Urology</i> , 2014, 84, 484-489.	0.5	31
62	Focused Ultrasonic Propulsion of Kidney Stones: Review and Update of Preclinical Technology. <i>Journal of Endourology</i> , 2013, 27, 1183-1186.	1.1	30
63	Comparison of Tissue Injury from Focused Ultrasonic Propulsion of Kidney Stones Versus Extracorporeal Shock Wave Lithotripsy. <i>Journal of Urology</i> , 2014, 191, 235-241.	0.2	29
64	Evaluation of Renal Stone Comminution and Injury by Burst Wave Lithotripsy in a Pig Model. <i>Journal of Endourology</i> , 2019, 33, 787-792.	1.1	29
65	In vitro sonoluminescence and sonochemistry studies with an electrohydraulic shock-wave lithotripter. <i>Ultrasound in Medicine and Biology</i> , 2002, 28, 1199-1207.	0.7	28
66	Tissue ablation using high-intensity focused ultrasound in the fetal sheep model: potential for fetal treatment. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 189, 702-705.	0.7	28
67	Detection and Evaluation of Renal Injury in Burst Wave Lithotripsy Using Ultrasound and Magnetic Resonance Imaging. <i>Journal of Endourology</i> , 2017, 31, 786-792.	1.1	28
68	The relation between cavitation and platelet aggregation during exposure to high-intensity focused ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 261-269.	0.7	25
69	Retrospective comparison of measured stone size and posterior acoustic shadow width in clinical ultrasound images. <i>World Journal of Urology</i> , 2018, 36, 727-732.	1.2	24
70	A method to synchronize high-intensity, focused ultrasound with an arbitrary ultrasound imager. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006, 53, 645-650.	1.7	23
71	Targeted microbubbles: a novel application for the treatment of kidney stones. <i>BJU International</i> , 2015, 116, 9-16.	1.3	23
72	Ultrasonic propulsion of kidney stones. <i>Current Opinion in Urology</i> , 2016, 26, 264-270.	0.9	23

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73	Design of HIFU Transducers to Generate Specific Nonlinear Ultrasound Fields. <i>Physics Procedia</i> , 2016, 87, 132-138.	1.2	23
74	Field Characterization and Compensation of Vibrational Nonuniformity for a 256-Element Focused Ultrasound Phased Array. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 1618-1630.	1.7	23
75	Stone-Mode Ultrasound for Determining Renal Stone Size. <i>Journal of Endourology</i> , 2016, 30, 958-962.	1.1	21
76	Energy shielding by cavitation bubble clouds in burst wave lithotripsy. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 2952-2961.	0.5	21
77	First In-Human Burst Wave Lithotripsy for Kidney Stone Comminution: Initial Two Case Studies. <i>Journal of Endourology</i> , 2021, 35, 506-511.	1.1	21
78	Evaluation of a shock wave induced cavitation activity both <i>in vitro</i> and <i>in vivo</i> . <i>Physics in Medicine and Biology</i> , 2007, 52, 5933-5944.	1.6	20
79	Combined Burst Wave Lithotripsy and Ultrasonic Propulsion for Improved Urinary Stone Fragmentation. <i>Journal of Endourology</i> , 2018, 32, 344-349.	1.1	19
80	Monitoring bubble growth in supersaturated blood and tissue <i>ex vivo</i> and the relevance to marine mammal bioeffects. <i>Acoustics Research Letters Online: ARLO</i> , 2005, 6, 214-220.	0.7	18
81	Observations of the collapses and rebounds of millimeter-sized lithotripsy bubbles. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3531-3540.	0.5	18
82	Progress in Lithotripsy Research. <i>Acoustics Today</i> , 2006, 2, 18.	1.0	17
83	Quantification of Acoustic Radiation Forces on Solid Objects in Fluid. <i>Physical Review Applied</i> , 2019, 12, .	1.5	17
84	Fragmentation of Stones by Burst Wave Lithotripsy in the First 19 Humans. <i>Journal of Urology</i> , 2022, 207, 1067-1076.	0.2	17
85	The use of resonant scattering to identify stone fracture in shock wave lithotripsy. <i>Journal of the Acoustical Society of America</i> , 2007, 121, EL41-EL47.	0.5	16
86	Investigation into the Mechanisms of Tissue Atomization by High-Intensity Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1372-1385.	0.7	16
87	Modeling and experimental analysis of acoustic cavitation bubbles for Burst Wave Lithotripsy. <i>Journal of Physics: Conference Series</i> , 2015, 656, 012027.	0.3	15
88	Kidney Damage and Renal Functional Changes are Minimized by Waveform Control that Suppresses Cavitation in Shock Wave Lithotripsy. <i>Journal of Urology</i> , 2002, , 1556-1562.	0.2	15
89	The role of compressional pressure in the formation of dense bubble clouds in histotripsy. , 2009, , .		14
90	Improved detection of kidney stones using an optimized Doppler imaging sequence. , 2014, 2014, 452-455.		14

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91	Focused ultrasound to displace renal calculi: threshold for tissue injury. Journal of Therapeutic Ultrasound, 2014, 2, 5.	2.2	14
92	Quantification of Renal Stone Contrast with Ultrasound in Human Subjects. Journal of Endourology, 2017, 31, 1123-1130.	1.1	14
93	Innovations in Ultrasound Technology in the Management of Kidney Stones. Urologic Clinics of North America, 2019, 46, 273-285.	0.8	14
94	Use of a bovine eye lens for observation of HIFU-induced lesions in real-time. Ultrasound in Medicine and Biology, 2006, 32, 1731-1741.	0.7	13
95	Safety and Effectiveness of a Longer Focal Beam and Burst Duration in Ultrasonic Propulsion for Repositioning Urinary Stones and Fragments. Journal of Endourology, 2017, 31, 793-799.	1.1	13
96	An investigation of elastic waves producing stone fracture in burst wave lithotripsy. Journal of the Acoustical Society of America, 2020, 147, 1607-1622.	0.5	13
97	Edge wave on axis behind an aperture or disk having a ragged edge. Journal of the Acoustical Society of America, 2000, 107, 103-111.	0.5	12
98	Acoustic Shielding by Cavitation Bubbles in Shock Wave Lithotripsy (SWL). AIP Conference Proceedings, 2006, , .	0.3	12
99	Developing Complete Ultrasonic Management of Kidney Stones for Spaceflight. Journal of Space Safety Engineering, 2016, 3, 50-57.	0.5	12
100	Shock formation and nonlinear saturation effects in the ultrasound field of a diagnostic curvilinear probe. Journal of the Acoustical Society of America, 2017, 141, 2327-2337.	0.5	12
101	Quantitative Assessment of Effectiveness of Ultrasonic Propulsion of Kidney Stones. Journal of Endourology, 2019, 33, 850-857.	1.1	12
102	Burst wave lithotripsy and acoustic manipulation of stones. Current Opinion in Urology, 2020, 30, 149-156.	0.9	12
103	Design, fabrication, and characterization of broad beam transducers for fragmenting large renal calculi with burst wave lithotripsy. Journal of the Acoustical Society of America, 2020, 148, 44-50.	0.5	11
104	<i>In Vitro</i> Evaluation of Urinary Stone Comminution with a Clinical Burst Wave Lithotripsy System. Journal of Endourology, 2020, 34, 1167-1173.	1.1	11
105	Title is missing!. Cytotechnology, 1998, 19, 303-310.	0.7	10
106	A suppressor to prevent direct wave-induced cavitation in shock wave therapy devices. Journal of the Acoustical Society of America, 2005, 118, 178-185.	0.5	10
107	Ultrasonic measurement of condensate film thickness. Journal of the Acoustical Society of America, 2008, 124, EL196-EL202.	0.5	9
108	Content and Face Validation of a Curriculum for Ultrasonic Propulsion of Calculi in a Human Renal Model. Journal of Endourology, 2014, 28, 459-463.	1.1	9

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109	Effect of Stone Size and Composition on Ultrasonic Propulsion Ex Vivo. <i>Urology</i> , 2018, 111, 225-229.	0.5	9
110	Recalcitrant Supraventricular Tachycardia: Occult Albuterol Toxicity Due to a Factitious Disorder. <i>Journal of Emergency Medicine</i> , 2015, 49, 436-438.	0.3	8
111	Effect of Carbon Dioxide on the Twinkling Artifact in Ultrasound Imaging of Kidney Stones: A Pilot Study. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 877-883.	0.7	8
112	Update on clinical trials of kidney stone repositioning and preclinical results of stone breaking with one system. <i>Proceedings of Meetings on Acoustics</i> , 2018, 35, .	0.3	8
113	Beamwidth measurement of individual lithotripter shock waves. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 1240-1245.	0.5	7
114	Tissue Erosion Using Shock Wave Heating and Millisecond Boiling in HIFU Fields. , 2010, , .		7
115	The Impact of Dust and Confinement on Fragmentation of Kidney Stones by Shockwave Lithotripsy in Tissue Phantoms. <i>Journal of Endourology</i> , 2019, 33, 400-406.	1.1	7
116	Ureteroscopic Ultrasound Technology to Size Kidney Stone Fragments: Proof of Principle Using a Miniaturized Probe in a Porcine Model. <i>Journal of Endourology</i> , 2010, 24, 939-942.	1.1	6
117	Renal Vasoconstriction Occurs Early During Shockwave Lithotripsy in Humans. <i>Journal of Endourology</i> , 2015, 29, 1392-1395.	1.1	6
118	Measurement of Posterior Acoustic Stone Shadow on Ultrasound Is a Learnable Skill for Inexperienced Users to Improve Accuracy of Stone Sizing. <i>Journal of Endourology</i> , 2018, 32, 1033-1038.	1.1	6
119	Modeling of photoelastic imaging of mechanical stresses in transparent solids mimicking kidney stones. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3819-3829.	0.5	6
120	Focused Ultrasound: Concept for Automated Transcutaneous Control of Hemorrhage in Austere Settings. <i>Aviation, Space, and Environmental Medicine</i> , 2009, 80, 391-394.	0.6	5
121	Bubbles trapped on the surface of kidney stones as a cause of the twinkling artifact in ultrasound imaging. <i>Proceedings of Meetings on Acoustics</i> , 2013, 19, .	0.3	5
122	Pulsed Focused Ultrasound Treatment of Muscle Mitigates Paralysis-Induced Bone Loss in the Adjacent Bone: A Study in a Mouse Model. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2113-2124.	0.7	5
123	Characterizing the Acoustic Output of an Ultrasonic Propulsion Device for Urinary Stones. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 1818-1827.	1.7	5
124	Noninvasive Ureterocele Puncture Using Pulsed Focused Ultrasound: An <i>In Vitro</i> Study. <i>Journal of Endourology</i> , 2014, 28, 342-346.	1.1	4
125	Impact of stone type on cavitation in burst wave lithotripsy. <i>Proceedings of Meetings on Acoustics</i> , 2018, 35, .	0.3	4
126	Evidence of Microbubbles on Kidney Stones in Humans. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1802-1807.	0.7	4

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127	Maximizing mechanical stress in small urinary stones during burst wave lithotripsy. Journal of the Acoustical Society of America, 2021, 150, 4203-4212.	0.5	4
128	Bubbles trapped at the coupling surface of the treatment head significantly reduce acoustic energy delivered in shock wave lithotripsy. AIP Conference Proceedings, 2006, , .	0.3	3
129	Interactions of Cavitation Bubbles Observed by High-Speed Imaging in Shock Wave Lithotripsy. AIP Conference Proceedings, 2006, , .	0.3	3
130	Ultrasonic propulsion of kidney stones: Preliminary results of human feasibility study. , 2014, 2014, 511-514.		3
131	Pearlâ€unjammed: the Seattle stone maneuver for ureteropelvic junction urolithiasis. Journal of the American College of Emergency Physicians Open, 2020, 1, 252-256.	0.4	3
132	Recent Advances in the Science of Burst Wave Lithotripsy and Ultrasonic Propulsion. BME Frontiers, 2022, 2022, .	2.2	3
133	Improving Burst Wave Lithotripsy Effectiveness for Small Stones and Fragments by Increasing Frequency: Theoretical Modeling and <i>Ex Vivo</i> Study. Journal of Endourology, 2022, 36, 996-1003.	1.1	3
134	Detecting Fragmentation of Kidney Stones in Lithotripsy by Means of Shock Wave Scattering. AIP Conference Proceedings, 2006, , .	0.3	2
135	Tissue atomization by high intensity focused ultrasound. , 2012, 2012, 1003-1006.		2
136	Novel High-Intensity Focused Ultrasound Clampâ€™Potential Adjunct for Laparoscopic Partial Nephrectomy. Journal of Endourology, 2012, 26, 1494-1499.	1.1	2
137	Acoustic radiation force to reposition kidney stones. Proceedings of Meetings on Acoustics, 2013, 19, .	0.3	2
138	Tailoring acoustics and devices for gene therapy. Physics of Life Reviews, 2018, 26-27, 47-48.	1.5	2
139	Some Work on the Diagnosis and Management of Kidney Stones with Ultrasound. Acoustics Today, 2017, 13, 52-59.	1.0	2
140	Measurement and Modeling of Acoustic Fields in a Gel Phantom at High Intensities. AIP Conference Proceedings, 2006, , .	0.3	1
141	Role of Shear and Longitudinal Waves in Stone Comminution by Lithotripter Shock Waves. AIP Conference Proceedings, 2006, , .	0.3	1
142	A Prototype Ultrasound Instrument To Size Stone Fragments During Ureteroscopy. AIP Conference Proceedings, 2008, , .	0.3	1
143	Ultrasound intensity to propel stones from the kidney is below the threshold for renal injury. Proceedings of Meetings on Acoustics, 2013, 19, .	0.3	1
144	Design of a transducer for fragmenting large kidney stones using burst wave lithotripsy. Proceedings of Meetings on Acoustics, 2018, 35, .	0.3	1

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145	Summary of "Biomedical Acoustics and Physical Acoustics: Shock Waves and Ultrasound for Calculus Fragmentation". Proceedings of Meetings on Acoustics, 2018, 35, .	0.3	1
146	Focused Ultrasonic Propulsion of Kidney Stones. Videourology (New Rochelle, N Y), 2013, 27, .	0.1	1
147	New Devices and Old Pitfalls in Shock Wave Therapy. AIP Conference Proceedings, 2006, , .	0.3	0
148	Modeling of Bubble Oscillations Induced by a Lithotripter Pulse. AIP Conference Proceedings, 2006, , .	0.3	0
149	Advantage of a Broad Focal Zone in SWL: Synergism Between Squeezing and Shear. AIP Conference Proceedings, 2007, , .	0.3	0
150	Simulated and experimental analysis of PVDF membrane hydrophone low-frequency response for accurate measurements of lithotripsy shockwaves. , 2008, , .		0
151	Shockwave lithotripsy with renoprotective pause is associated with renovascular vasoconstriction in humans. , 2014, 2014, 1013-1016.		0
152	Simple circumcision device: proof of concept for a single-visit, adjustable device to facilitate safe adult male circumcision. Fertility and Sterility, 2014, 101, 1266-1270.	0.5	0
153	Re: Leapman et al.: Up and Away: Five Decades of Urologic Investigation in Microgravity (Urology) Tj ETQq1 1 0.784314 rgBT ₀ /Overlo	0.5	0
154	The effect of shear waves in an elastic sphere on the radiation force from a quasi-Gaussian beam. Proceedings of Meetings on Acoustics, 2017, 32, .	0.3	0
155	Notice of Removal: Design and characterization of a 2-dimensional focused 1.5-MHz ultrasound array with a compact spiral arrangement of 256 circular elements. , 2017, , .		0
156	Notice of Removal: Imaging in situ human kidney stones with the color Doppler ultrasound twinkling artifact. , 2017, , .		0
157	Preclinical safety and effectiveness of a longer beam and burst duration for ultrasonic repositioning of urinary stones. , 2017, , .		0
158	Cavitation bubble cluster activity in the breakage of stones by shock wave lithotripsy. Journal of the Acoustical Society of America, 2002, 111, 2461.	0.5	0
159	Ultrasonic atomization: A mechanism of tissue fractionation. Journal of the Acoustical Society of America, 2013, 133, 3316-3316.	0.5	0