Michael R Bailey

List of Publications by Year
in descending order

159 papers	7,813 citations	47006 47 h-index	54911 84 g-index
182 all docs	182 docs citations	182 times ranked	3964 citing authors

#	Article	IF	Citations
1	Recent Advances in the Science of Burst Wave Lithotripsy and Ultrasonic Propulsion. BME Frontiers, 2022, 2022, .	4.5	3
2	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.	2.1	3
3	Fragmentation of Stones by Burst Wave Lithotripsy in the First 19 Humans. Journal of Urology, 2022, 207, 1067-1076.	0.4	17
4	First In-Human Burst Wave Lithotripsy for Kidney Stone Comminution: Initial Two Case Studies. Journal of Endourology, 2021, 35, 506-511.	2.1	21
5	Maximizing mechanical stress in small urinary stones during burst wave lithotripsy. Journal of the Acoustical Society of America, 2021, 150, 4203-4212.	1.1	4
6	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.	1.1	11
7	An investigation of elastic waves producing stone fracture in burst wave lithotripsy. Journal of the Acoustical Society of America, 2020, 147, 1607-1622.	1.1	13
8	Burst wave lithotripsy and acoustic manipulation of stones. Current Opinion in Urology, 2020, 30, 149-156.	1.8	12
9	Modeling of photoelastic imaging of mechanical stresses in transparent solids mimicking kidney stones. Journal of the Acoustical Society of America, 2020, 147, 3819-3829.	1.1	6
10	Pearlâ€unjammed: the Seattle stone maneuver for ureteropelvic junction urolithiasis. Journal of the American College of Emergency Physicians Open, 2020, 1, 252-256.	0.7	3
11	Noninvasive acoustic manipulation of objects in a living body. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16848-16855.	7.1	77
12	<i>In Vitro</i> Evaluation of Urinary Stone Comminution with a Clinical Burst Wave Lithotripsy System. Journal of Endourology, 2020, 34, 1167-1173.	2.1	11
13	Evidence of Microbubbles on Kidney Stones in Humans. Ultrasound in Medicine and Biology, 2020, 46, 1802-1807.	1.5	4
14	Quantitative Assessment of Effectiveness of Ultrasonic Propulsion of Kidney Stones. Journal of Endourology, 2019, 33, 850-857.	2.1	12
15	Quantification of Acoustic Radiation Forces on Solid Objects in Fluid. Physical Review Applied, 2019, 12, .	3.8	17
16	Evaluation of Renal Stone Comminution and Injury by Burst Wave Lithotripsy in a Pig Model. Journal of Endourology, 2019, 33, 787-792.	2.1	29
17	Innovations in Ultrasound Technology in the Management of Kidney Stones. Urologic Clinics of North America, 2019, 46, 273-285.	1.8	14
18	Pilot in vivo studies on transcutaneous boiling histotripsy in porcine liver and kidney. Scientific Reports, 2019, 9, 20176.	3.3	32

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19	The Impact of Dust and Confinement on Fragmentation of Kidney Stones by Shockwave Lithotripsy in Tissue Phantoms. Journal of Endourology, 2019, 33, 400-406.	2.1	7
20	Combined Burst Wave Lithotripsy and Ultrasonic Propulsion for Improved Urinary Stone Fragmentation. Journal of Endourology, 2018, 32, 344-349.	2.1	19
21	Effect of Stone Size and Composition on Ultrasonic Propulsion Ex Vivo. Urology, 2018, 111, 225-229.	1.0	9
22	Retrospective comparison of measured stone size and posterior acoustic shadow width in clinical ultrasound images. World Journal of Urology, 2018, 36, 727-732.	2.2	24
23	Impact of stone type on cavitation in burst wave lithotripsy. Proceedings of Meetings on Acoustics, 2018, 35, .	0.3	4
24	Design of a transducer for fragmenting large kidney stones using burst wave lithotripsy. Proceedings of Meetings on Acoustics, 2018, 35, .	0.3	1
25	Summary of â€œBiomedical Acoustics and Physical Acoustics: Shock Waves and Ultrasound for Calculus Fragmentationâ€ Proceedings of Meetings on Acoustics, 2018, 35, .	0.3	1
26	Update on clinical trials of kidney stone repositioning and preclinical results of stone breaking with one system. Proceedings of Meetings on Acoustics, 2018, 35, .	0.3	8
27	Energy shielding by cavitation bubble clouds in burst wave lithotripsy. Journal of the Acoustical Society of America, 2018, 144, 2952-2961.	1.1	21
28	Measurement of Posterior Acoustic Stone Shadow on Ultrasound Is a Learnable Skill for Inexperienced Users to Improve Accuracy of Stone Sizing. Journal of Endourology, 2018, 32, 1033-1038.	2.1	6
29	Tailoring acoustics and devices for gene therapy. Physics of Life Reviews, 2018, 26-27, 47-48.	2.8	2
30	Field Characterization and Compensation of Vibrational Nonuniformity for a 256-Element Focused Ultrasound Phased Array. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1618-1630.	3.0	23
31	Effect of Carbon Dioxide on the Twinkling Artifact in Ultrasound Imaging of Kidney Stones: A Pilot Study. Ultrasound in Medicine and Biology, 2017, 43, 877-883.	1.5	8
32	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.	2.1	13
33	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.	1.1	12
34	A Prototype Therapy System for Transcutaneous Application of Boiling Histotripsy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1542-1557.	3.0	55
35	Quantification of Renal Stone Contrast with Ultrasound in Human Subjects. Journal of Endourology, 2017, 31, 1123-1130.	2.1	14
36	Re: Leapman etÂal.: Up and Away: Five Decades of Urologic Investigation in Microgravity (Urology) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	0

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37	Detection and Evaluation of Renal Injury in Burst Wave Lithotripsy Using Ultrasound and Magnetic Resonance Imaging. Journal of Endourology, 2017, 31, 786-792.	2.1	28
38	Dependence of Boiling Histotripsy Treatment Efficiency on HIFU Frequency and Focal Pressure Levels. Ultrasound in Medicine and Biology, 2017, 43, 1975-1985.	1.5	42
39	Design of HIFU Transducers for Generating Specified Nonlinear Ultrasound Fields. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 374-390.	3.0	67
40	Characterizing the Acoustic Output of an Ultrasonic Propulsion Device for Urinary Stones. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1818-1827.	3.0	5
41	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
42	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
43	Notice of Removal: Imaging in situ human kidney stones with the color Doppler ultrasound twinkling artifact. , 2017, , .		0
44	Preclinical safety and effectiveness of a longer beam and burst duration for ultrasonic repositioning of urinary stones. , 2017, , .		0
45	Some Work on the Diagnosis and Management of Kidney Stones with Ultrasound. Acoustics Today, 2017, 13, 52-59.	1.0	2
46	Ultrasonic propulsion of kidney stones. Current Opinion in Urology, 2016, 26, 264-270.	1.8	23
47	Developing Complete Ultrasonic Management of Kidney Stones for Spaceflight. Journal of Space Safety Engineering, 2016, 3, 50-57.	0.9	12
48	Design of HIFU Transducers to Generate Specific Nonlinear Ultrasound Fields. Physics Procedia, 2016, 87, 132-138.	1.2	23
49	An overview of kidney stone imaging techniques. Nature Reviews Urology, 2016, 13, 654-662.	3.8	228
50	Stone-Mode Ultrasound for Determining Renal Stone Size. Journal of Endourology, 2016, 30, 958-962.	2.1	21
51	First in Human Clinical Trial of Ultrasonic Propulsion of Kidney Stones. Journal of Urology, 2016, 195, 956-964.	0.4	54
52	Use of the Acoustic Shadow Width to Determine Kidney Stone Size with Ultrasound. Journal of Urology, 2016, 195, 171-177.	0.4	43
53	Modeling and experimental analysis of acoustic cavitation bubbles for Burst Wave Lithotripsy. Journal of Physics: Conference Series, 2015, 656, 012027.	0.4	15
54	Tools to Improve the Accuracy of Kidney Stone Sizing with Ultrasound. Journal of Endourology, 2015, 29, 147-152.	2.1	36

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55	Investigation into the Mechanisms of Tissue Atomization by High-Intensity Focused Ultrasound. Ultrasound in Medicine and Biology, 2015, 41, 1372-1385.	1.5	16
56	Conditionally Increased Acoustic Pressures in Nonfetal Diagnostic Ultrasound Examinations Without Contrast Agents: A Preliminary Assessment. Journal of Ultrasound in Medicine, 2015, 34, 1-41.	1.7	48
57	Ultrasonic atomization of liquids in drop-chain acoustic fountains. Journal of Fluid Mechanics, 2015, 766, 129-146.	3.4	61
58	Renal Vasoconstriction Occurs Early During Shockwave Lithotripsy in Humans. Journal of Endourology, 2015, 29, 1392-1395.	2.1	6
59	Recalcitrant Supraventricular Tachycardia: Occult Albuterol Toxicity Due to a Factitious Disorder. Journal of Emergency Medicine, 2015, 49, 436-438.	0.7	8
60	Targeted microbubbles: a novel application for the treatment of kidney stones. BJU International, 2015, 116, 9-16.	2.5	23
61	Fragmentation of Urinary Calculi InÂVitro by Burst Wave Lithotripsy. Journal of Urology, 2015, 193, 338-344.	0.4	97
62	Noninvasive Ureterocele Puncture Using Pulsed Focused Ultrasound: An<i>In Vitro</i>Study. Journal of Endourology, 2014, 28, 342-346.	2.1	4
63	Shockwave lithotripsy with renoprotective pause is associated with renovascular vasoconstriction in humans. , 2014, 2014, 1013-1016.		0
64	Improved detection of kidney stones using an optimized Doppler imaging sequence. , 2014, 2014, 452-455.		14
65	Content and Face Validation of a Curriculum for Ultrasonic Propulsion of Calculi in a Human Renal Model. Journal of Endourology, 2014, 28, 459-463.	2.1	9
66	Ultrasonic propulsion of kidney stones: Preliminary results of human feasibility study. , 2014, 2014, 511-514.		3
67	Preclinical Safety and Effectiveness Studies of Ultrasonic Propulsion of Kidney Stones. Urology, 2014, 84, 484-489.	1.0	31
68	Focused ultrasound to displace renal calculi: threshold for tissue injury. Journal of Therapeutic Ultrasound, 2014, 2, 5.	2.2	14
69	Comparison of Tissue Injury from Focused Ultrasonic Propulsion of Kidney Stones Versus Extracorporeal Shock Wave Lithotripsy. Journal of Urology, 2014, 191, 235-241.	0.4	29
70	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.	1.0	0
71	Ultrasound-guided tissue fractionation by high intensity focused ultrasound in an in vivo porcine liver model. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8161-8166.	7.1	89
72	Pulsed Focused Ultrasound Treatment of Muscle Mitigates Paralysis-Induced Bone Loss in the Adjacent Bone: A Study in a Mouse Model. Ultrasound in Medicine and Biology, 2014, 40, 2113-2124.	1.5	5

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73	Focused Ultrasonic Propulsion of Kidney Stones: Review and Update of Preclinical Technology. Journal of Endourology, 2013, 27, 1183-1186.	2.1	30
74	Histological and Biochemical Analysis of Mechanical and Thermal Bioeffects in Boiling Histotripsy Lesions Induced by High Intensity Focused Ultrasound. Ultrasound in Medicine and Biology, 2013, 39, 424-438.	1.5	91
75	Characterization of a multi-element clinical HIFU system using acoustic holography and nonlinear modeling. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1683-1698.	3.0	114
76	Focused Ultrasound to Expel Calculi from the Kidney: Safety and Efficacy of a Clinical Prototype Device. Journal of Urology, 2013, 190, 1090-1095.	0.4	43
77	Radiation force of an arbitrary acoustic beam on an elastic sphere in a fluid. Journal of the Acoustical Society of America, 2013, 133, 661-676.	1.1	152
78	Evidence for Trapped Surface Bubbles as the Cause for the Twinkling Artifact in Ultrasound Imaging. Ultrasound in Medicine and Biology, 2013, 39, 1026-1038.	1.5	46
79	Bubbles trapped on the surface of kidney stones as a cause of the twinkling artifact in ultrasound imaging. Proceedings of Meetings on Acoustics, 2013, 19, .	0.3	5
80	Acoustic radiation force to reposition kidney stones. Proceedings of Meetings on Acoustics, 2013, 19, .	0.3	2
81	B-mode Ultrasound Versus Color Doppler Twinkling Artifact in Detecting Kidney Stones. Journal of Endourology, 2013, 27, 149-153.	2.1	51
82	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
83	Focused Ultrasonic Propulsion of Kidney Stones. Videourology (New Rochelle, N Y), 2013, 27, .	0.1	1
84	Ultrasonic atomization: A mechanism of tissue fractionation. Journal of the Acoustical Society of America, 2013, 133, 3316-3316.	1.1	0
85	Tissue atomization by high intensity focused ultrasound. , 2012, 2012, 1003-1006.		2
86	Quantitative Assessment of Shockwave Lithotripsy Accuracy and the Effect of Respiratory Motion. Journal of Endourology, 2012, 26, 1070-1074.	2.1	43
87	Overview of Therapeutic Ultrasound Applications and Safety Considerations. Journal of Ultrasound in Medicine, 2012, 31, 623-634.	1.7	493
88	Ultrasonic atomization of tissue and its role in tissue fractionation by high intensity focused ultrasound. Physics in Medicine and Biology, 2012, 57, 8061-8078.	3.0	95
89	Focused Ultrasound to Expel Calculi From the Kidney. Journal of Urology, 2012, 187, 739-743.	0.4	43
90	Novel High-Intensity Focused Ultrasound Clampâ€"Potential Adjunct for Laparoscopic Partial Nephrectomy. Journal of Endourology, 2012, 26, 1494-1499.	2.1	2

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91	Disintegration of Tissue Using High Intensity Focused Ultrasound: Two Approaches That Utilize Shock Waves. Acoustics Today, 2012, 8, 24.	1.0	86
92	Cavitation clouds created by shock scattering from bubbles during histotripsy. Journal of the Acoustical Society of America, 2011, 130, 1888-1898.	1.1	256
93	Observations of Translation and Jetting of Ultrasound-Activated Microbubbles in Mesenteric Microvessels. Ultrasound in Medicine and Biology, 2011, 37, 2139-2148.	1.5	86
94	Shock Wave Technology and Application: An Update. European Urology, 2011, 59, 784-796.	1.9	251
95	Observations of the collapses and rebounds of millimeter-sized lithotripsy bubbles. Journal of the Acoustical Society of America, 2011, 130, 3531-3540.	1.1	18
96	Blood Vessel Deformations on Microsecond Time Scales by Ultrasonic Cavitation. Physical Review Letters, 2011, 106, 034301.	7.8	250
97	Controlled tissue emulsification produced by high intensity focused ultrasound shock waves and millisecond boiling. Journal of the Acoustical Society of America, 2011, 130, 3498-3510.	1.1	154
98	A reduced-order, single-bubble cavitation model with applications to therapeutic ultrasound. Journal of the Acoustical Society of America, 2011, 130, 3511-3530.	1.1	35
99	A derating method for therapeutic applications of high intensity focused ultrasound. Acoustical Physics, 2010, 56, 354-363.	1.0	50
100	Blood vessel rupture by cavitation. Urological Research, 2010, 38, 321-326.	1.5	83
101	Novel ultrasound method to reposition kidney stones. Urological Research, 2010, 38, 491-495.	1.5	44
102	Shock-Induced Heating and Millisecond Boiling in Gels and Tissue Due to High Intensity Focused Ultrasound. Ultrasound in Medicine and Biology, 2010, 36, 250-267.	1.5	181
103	Tissue Erosion Using Shock Wave Heating and Millisecond Boiling in HIFU Fields. , 2010, , .		7
104	Ureteroscopic Ultrasound Technology to Size Kidney Stone Fragments: Proof of Principle Using a Miniaturized Probe in a Porcine Model. Journal of Endourology, 2010, 24, 939-942.	2.1	6
105	Beamwidth measurement of individual lithotripter shock waves. Journal of the Acoustical Society of America, 2009, 125, 1240-1245.	1.1	7
106	Magnetic resonance imaging of boiling induced by high intensity focused ultrasound. Journal of the Acoustical Society of America, 2009, 125, 2420-2431.	1.1	71
107	Pretreatment with lowâ€energy shock waves induces renal vasoconstriction during standard shock wave lithotripsy (SWL): a treatment protocol known to reduce SWLâ€induced renal injury. BJU International, 2009, 103, 1270-1274.	2.5	64
108	Focusing of high power ultrasound beams and limiting values of shock wave parameters. Acoustical Physics, 2009, 55, 463-473.	1.0	64

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109	The role of compressional pressure in the formation of dense bubble clouds in histotripsy. , 2009, , .		14
110	Focused Ultrasound: Concept for Automated Transcutaneous Control of Hemorrhage in Austere Settings. Aviation, Space, and Environmental Medicine, 2009, 80, 391-394.	0.5	5
111	Ultrasonic measurement of condensate film thickness. Journal of the Acoustical Society of America, 2008, 124, EL196-EL202.	1.1	9
112	Simulated and experimental analysis of PVDF membrane hydrophone low-frequency response for accurate measurements of lithotripsy shockwaves. , 2008, , .		0
113	Acoustic characterization of high intensity focused ultrasound fields: A combined measurement and modeling approach. Journal of the Acoustical Society of America, 2008, 124, 2406-2420.	1.1	258
114	The Risk of Exposure to Diagnostic Ultrasound in Postnatal Subjects. Journal of Ultrasound in Medicine, 2008, 27, 565-592.	1.7	79
115	A Prototype Ultrasound Instrument To Size Stone Fragments During Ureteroscopy. AIP Conference Proceedings, 2008, , .	0.4	1
116	The use of resonant scattering to identify stone fracture in shock wave lithotripsy. Journal of the Acoustical Society of America, 2007, 121, EL41-EL47.	1.1	16
117	Evaluation of a shock wave induced cavitation activity both<i>in vitro</i>and<i>in vivo</i>. Physics in Medicine and Biology, 2007, 52, 5933-5944.	3.0	20
118	A mechanistic analysis of stone fracture in lithotripsy. Journal of the Acoustical Society of America, 2007, 121, 1190-1202.	1.1	140
119	Advantage of a Broad Focal Zone in SWL: Synergism Between Squeezing and Shear. AIP Conference Proceedings, 2007, , .	0.4	0
120	A method to synchronize high-intensity, focused ultrasound with an arbitrary ultrasound imager. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 645-650.	3.0	23
121	Progress in Lithotripsy Research. Acoustics Today, 2006, 2, 18.	1.0	17
122	Use of a bovine eye lens for observation of HIFU-induced lesions in real-time. Ultrasound in Medicine and Biology, 2006, 32, 1731-1741.	1.5	13
123	Measurement and Modeling of Acoustic Fields in a Gel Phantom at High Intensities. AIP Conference Proceedings, 2006, , .	0.4	1
124	New Devices and Old Pitfalls in Shock Wave Therapy. AIP Conference Proceedings, 2006, , .	0.4	0
125	Bubbles trapped at the coupling surface of the treatment head significantly reduce acoustic energy delivered in shock wave lithotripsy. AIP Conference Proceedings, 2006, , .	0.4	3
126	Interactions of Cavitation Bubbles Observed by High-Speed Imaging in Shock Wave Lithotripsy. AIP Conference Proceedings, 2006, , .	0.4	3

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127	Role of Shear and Longitudinal Waves in Stone Comminution by Lithotripter Shock Waves. AIP Conference Proceedings, 2006, , .	0.4	1
128	Detecting Fragmentation of Kidney Stones in Lithotripsy by Means of Shock Wave Scattering. AIP Conference Proceedings, 2006, , .	0.4	2
129	Modeling of Bubble Oscillations Induced by a Lithotripter Pulse. AIP Conference Proceedings, 2006, , .	0.4	0
130	Acoustic Shielding by Cavitation Bubbles in Shock Wave Lithotripsy (SWL). AIP Conference Proceedings, 2006, , .	0.4	12
131	Effects of nonlinear propagation, cavitation, and boiling in lesion formation by high intensity focused ultrasound in a gel phantom. Journal of the Acoustical Society of America, 2006, 119, 1834-1848.	1.1	246
132	Cavitation detection during shock-wave lithotripsy. Ultrasound in Medicine and Biology, 2005, 31, 1245-1256.	1.5	84
133	Ultracal-30 gypsum artificial stones for research on the mechanisms of stone breakage in shock wave lithotripsy. Urological Research, 2005, 33, 429-434.	1.5	82
134	A suppressor to prevent direct wave-induced cavitation in shock wave therapy devices. Journal of the Acoustical Society of America, 2005, 118, 178-185.	1.1	10
135	Cavitation selectively reduces the negative-pressure phase of lithotripter shock pulses. Acoustics Research Letters Online: ARLO, 2005, 6, 280-286.	0.7	73
136	Monitoring bubble growth in supersaturated blood and tissue ex vivo and the relevance to marine mammal bioeffects. Acoustics Research Letters Online: ARLO, 2005, 6, 214-220.	0.7	18
137	The relation between cavitation and platelet aggregation during exposure to high-intensity focused ultrasound. Ultrasound in Medicine and Biology, 2004, 30, 261-269.	1.5	25
138	Tissue ablation using high-intensity focused ultrasound in the fetal sheep model: potential for fetal treatment. American Journal of Obstetrics and Gynecology, 2003, 189, 702-705.	1.3	28
139	Dual-pulse lithotripter accelerates stone fragmentation and reduces cell lysis in vitro. Ultrasound in Medicine and Biology, 2003, 29, 1045-1052.	1.5	45
140	Physical mechanisms of the therapeutic effect of ultrasound (a review). Acoustical Physics, 2003, 49, 369-388.	1.0	379
141	Cavitation Bubble Cluster Activity in the Breakage of Kidney Stones by Lithotripter Shockwaves. Journal of Endourology, 2003, 17, 435-446.	2.1	196
142	Effect of overpressure and pulse repetition frequency on cavitation in shock wave lithotripsy. Journal of the Acoustical Society of America, 2002, 112, 1183-1195.	1.1	141
143	Prefocal Alignment Improves Stone Comminution in Shockwave Lithotripsy. Journal of Endourology, 2002, 16, 709-715.	2.1	32
144	Kidney Damage and Renal Functional Changes are Minimized by Waveform Control that Suppresses Cavitation in Shock Wave Lithotripsy. Journal of Urology, 2002, 168, 1556-1562.	0.4	106

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145	In vitro sonoluminescence and sonochemistry studies with an electrohydraulic shock-wave lithotripter. Ultrasound in Medicine and Biology, 2002, 28, 1199-1207.	1.5	28
146	Kidney Damage and Renal Functional Changes are Minimized by Waveform Control that Suppresses Cavitation in Shock Wave Lithotripsy. Journal of Urology, 2002, , 1556-1562.	0.4	15
147	Cavitation bubble cluster activity in the breakage of stones by shock wave lithotripsy. Journal of the Acoustical Society of America, 2002, 111, 2461.	1.1	0
148	Real-time visualization of high-intensity focused ultrasound treatment using ultrasound imaging. Ultrasound in Medicine and Biology, 2001, 27, 33-42.	1.5	370
149	Use of overpressure to assess the role of bubbles in focused ultrasound lesion shape in vitro. Ultrasound in Medicine and Biology, 2001, 27, 695-708.	1.5	128
150	Use of a dual-pulse lithotripter to generate a localized and intensified cavitation field. Journal of the Acoustical Society of America, 2001, 110, 1685-1695.	1.1	87
151	Design and characterization of a research electrohydraulic lithotripter patterned after the Dornier HM3. Review of Scientific Instruments, 2000, 71, 2514-2525.	1.3	83
152	Edge wave on axis behind an aperture or disk having a ragged edge. Journal of the Acoustical Society of America, 2000, 107, 103-111.	1.1	12
153	A dual passive cavitation detector for localized detection of lithotripsy-induced cavitationin vitro. Journal of the Acoustical Society of America, 2000, 107, 1745-1758.	1.1	91
154	Comparison of electrohydraulic lithotripters with rigid and pressure-release ellipsoidal reflectors. II. Cavitation fields. Journal of the Acoustical Society of America, 1999, 106, 1149-1160.	1.1	73
155	Effect of macroscopic air bubbles on cell lysis by shock wave lithotripsy in vitro. Ultrasound in Medicine and Biology, 1999, 25, 473-479.	1.5	33
156	Effect of high-intensity focused ultrasound on whole blood with and without microbubble contrast agent. Ultrasound in Medicine and Biology, 1999, 25, 991-998.	1.5	96
157	Title is missing!. Cytotechnology, 1998, 19, 303-310.	0.7	10
158	Hemostasis of punctured blood vessels using high-intensity focused ultrasound. Ultrasound in Medicine and Biology, 1998, 24, 903-910.	1.5	106
159	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.	1.1	69