

Michel Versluis

List of Publications by Year in descending order

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Version: 2024-02-01

259
papers

12,913
citations

19657

61
h-index

29157

104
g-index

290
all docs

290
docs citations

290
times ranked

7880
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Fluid Dynamics for the Prediction of Endograft Thrombosis in the Superficial Femoral Artery. <i>Journal of Endovascular Therapy</i> , 2023, 30, 615-627.	1.5	1
2	Evaluation of Liposome-Loaded Microbubbles as a Theranostic Tool in a Murine Collagen-Induced Arthritis Model. <i>Scientia Pharmaceutica</i> , 2022, 90, 17.	2.0	1
3	The Supera Interwoven Nitinol Stent as a Flow Diverting Device in Popliteal Aneurysms. <i>CardioVascular and Interventional Radiology</i> , 2022, 45, 858-866.	2.0	3
4	Resonance behavior of a compliant piezo-driven inkjet channel with an entrained microbubble. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2545-2557.	1.1	2
5	The response of dual-species bacterial biofilm to 2% and 5% NaOCl mixed with etidronic acid: A laboratory real-time evaluation using optical coherence tomography. <i>International Endodontic Journal</i> , 2022, 55, 758-771.	5.0	5
6	Blood Flow Quantification with High-Frame-Rate, Contrast-Enhanced Ultrasound Velocimetry in Stented Aortoiliac Arteries: In Vivo Feasibility. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 1518-1527.	1.5	1
7	A theoretical framework for acoustically produced luminescence: From thermometry to ultrasound pressure field mapping. <i>Journal of Luminescence</i> , 2022, 248, 118940.	3.1	1
8	Time-resolved absolute radius estimation of vibrating contrast microbubbles using an acoustical camera. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 3993-4003.	1.1	4
9	High-frame-rate contrast-enhanced ultrasound particle image velocimetry in patients with a stented superficial femoral artery: a feasibility study. <i>European Radiology Experimental</i> , 2022, 6, .	3.4	4
10	Irrigant flow in the root canal during ultrasonic activation: A numerical fluid-structure interaction model and its validation. <i>International Endodontic Journal</i> , 2022, 55, 938-949.	5.0	3
11	Biofilm removal from a simulated isthmus and lateral canal during syringe irrigation at various flow rates: a combined experimental and Computational Fluid Dynamics approach. <i>International Endodontic Journal</i> , 2021, 54, 427-438.	5.0	23
12	High-Frequency Acoustic Droplet Vaporization is Initiated by Resonance. <i>Physical Review Letters</i> , 2021, 126, 034501.	7.8	10
13	Fast and High-Resolution Ultrasound Pressure Field Mapping Using Luminescent Membranes. <i>Advanced Optical Materials</i> , 2021, 9, 2100085.	7.3	6
14	Feedback-controlled microbubble generator producing one million monodisperse bubbles per second. <i>Review of Scientific Instruments</i> , 2021, 92, 035110.	1.3	16
15	Hemodynamic Comparison of Stent-Grafts for the Treatment of Aortoiliac Occlusive Disease. <i>Journal of Endovascular Therapy</i> , 2021, 28, 623-635.	1.5	5
16	Multi-timescale Microscopy Methods for the Characterization of Fluorescently-labeled Microbubbles for Ultrasound-Triggered Drug Release. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
17	Matrix 3D ultrasound-assisted thyroid nodule volume estimation and radiofrequency ablation: a phantom study. <i>European Radiology Experimental</i> , 2021, 5, 31.	3.4	7
18	US Velocimetry in Participants with Aortoiliac Occlusive Disease. <i>Radiology</i> , 2021, 301, 332-338.	7.3	4

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19	The retraction of jetted slender viscoelastic liquid filaments. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	3.4	13
20	Rayleigh–Taylor instability by segregation in an evaporating multicomponent microdroplet – ERRATUM. <i>Journal of Fluid Mechanics</i> , 2021, 908, .	3.4	4
21	Time-resolved velocity and pressure field quantification in a flow-focusing device for ultrafast microbubble production. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	2
22	Blood Flow Quantification in Peripheral Arterial Disease: Emerging Diagnostic Techniques in Vascular Surgery. <i>Surgical Technology International</i> , 2021, 38, 294-304.	0.2	0
23	Rayleigh–Taylor instability by segregation in an evaporating multicomponent microdroplet. <i>Journal of Fluid Mechanics</i> , 2020, 899, .	3.4	15
24	Visualization of Blood Flow in the Diseased Aorto-iliac Tract With Ultrasound Velocimetry: First in Human Results. <i>EJVES Vascular Forum</i> , 2020, 48, 45-46.	0.4	0
25	Foam-free monodisperse lipid-coated ultrasound contrast agent synthesis by flow-focusing through multi-gas-component microbubble stabilization. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	20
26	Focused ultrasound for opening blood-brain barrier and drug delivery monitored with positron emission tomography. <i>Journal of Controlled Release</i> , 2020, 324, 303-316.	9.9	41
27	Nonaxisymmetric Effects in Drop-On-Demand Piezoacoustic Inkjet Printing. <i>Physical Review Applied</i> , 2020, 13, .	3.8	13
28	Ultrasound Contrast Agent Modeling: A Review. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2117-2144.	1.5	110
29	Evaporation-Induced Crystallization of Surfactants in Sessile Multicomponent Droplets. <i>Langmuir</i> , 2020, 36, 7545-7552.	3.5	12
30	Microbubble Agents: New Directions. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1326-1343.	1.5	118
31	Microfluidics control the ballistic energy of thermocavitation liquid jets for needle-free injections. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	24
32	Secondary Tail Formation and Breakup in Piezoacoustic Inkjet Printing: Femtoliter Droplets Captured in Flight. <i>Physical Review Applied</i> , 2020, 13, .	3.8	15
33	Evaporating droplets on oil-wetted surfaces: Suppression of the coffee-stain effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16756-16763.	7.1	57
34	Three-phase vaporization theory for laser-activated microcapsules. <i>Photoacoustics</i> , 2020, 19, 100185.	7.8	3
35	A novel roller pump for physiological flow. <i>Artificial Organs</i> , 2020, 44, 818-826.	1.9	8
36	Validation of a Novel Methodology to Evaluate Changes in the Flare Geometry of Renovisceral Bridging Stent-Grafts After Fenestrated Endovascular Aneurysm Repair. <i>Journal of Endovascular Therapy</i> , 2020, 27, 436-444.	1.5	5

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37	Shortwave infrared imaging setup to study entrained air bubble dynamics in a MEMS-based piezo-acoustic inkjet printhead. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	11
38	Sonoprinting liposomes on tumor spheroids by microbubbles and ultrasound. <i>Journal of Controlled Release</i> , 2019, 316, 79-92.	9.9	32
39	Laser-activated microparticles for multimodal imaging: ultrasound and photoacoustics. <i>Physics in Medicine and Biology</i> , 2019, 64, 034001.	3.0	12
40	Sonoprinting of nanoparticle-loaded microbubbles: Unraveling the multi-timescale mechanism. <i>Biomaterials</i> , 2019, 217, 119250.	11.4	27
41	Assessment of changes in stent graft geometry after chimney endovascular aneurysm sealing. <i>Journal of Vascular Surgery</i> , 2019, 70, 1754-1764.	1.1	4
42	Microdroplet nucleation by dissolution of a multicomponent drop in a host liquid. <i>Journal of Fluid Mechanics</i> , 2019, 870, 217-246.	3.4	22
43	Haemodynamics in Different Flow Lumen Configurations of Customised Aortic Repair for Infrarenal Aortic Aneurysms. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 57, 709-718.	1.5	3
44	Gravitational Effect in Evaporating Binary Microdroplets. <i>Physical Review Letters</i> , 2019, 122, 114501.	7.8	71
45	Multicore Liquid Perfluorocarbon-Loaded Multimodal Nanoparticles for Stable Ultrasound and ¹⁹ F MRI Applied to In Vivo Cell Tracking. <i>Advanced Functional Materials</i> , 2019, 29, 1806485.	14.9	47
46	Ultrasound-Sensitive Liposomes for Triggered Macromolecular Drug Delivery: Formulation and In Vitro Characterization. <i>Frontiers in Pharmacology</i> , 2019, 10, 1463.	3.5	30
47	First-in-human Results of Ultrasound Velocimetry for Visualization of Blood Flow Patterns in Patients with Peripheral Arterial Disease. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, e805-e806.	1.5	1
48	Inkjet Nozzle Failure by Heterogeneous Nucleation: Bubble Entrainment, Cavitation, and Diffusive Growth. <i>Physical Review Applied</i> , 2019, 12, .	3.8	16
49	The Role of Ultrasound-Driven Microbubble Dynamics in Drug Delivery: From Microbubble Fundamentals to Clinical Translation. <i>Langmuir</i> , 2019, 35, 10173-10191.	3.5	140
50	Meta-analysis of Individual Patient Data After Kissing Stent Treatment for Aortoiliac Occlusive Disease. <i>Journal of Endovascular Therapy</i> , 2019, 26, 31-40.	1.5	22
51	Abstract B151: Exploring the induction of immunogenic cell death (ICD) by high-intensity focused ultrasound (HIFU)., 2019, .		0
52	Acoustic Characterization of a Vessel-on-a-Chip Microfluidic System for Ultrasound-Mediated Drug Delivery. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 570-581.	3.0	16
53	Monodisperse Versus Polydisperse Ultrasound Contrast Agents: Non-Linear Response, Sensitivity, and Deep Tissue Imaging Potential. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1482-1492.	1.5	53
54	Cleaning lateral morphological features of the root canal: the role of streaming and cavitation. <i>International Endodontic Journal</i> , 2018, 51, e55-e64.	5.0	27

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55	Brandaris Ultra High-Speed Imaging Facility. , 2018, , 49-77.		1
56	Partial renal coverage in endovascular aneurysm repair causes unfavorable renal flow patterns in an infrarenal aneurysm model. <i>Journal of Vascular Surgery</i> , 2018, 67, 1585-1594.	1.1	11
57	Three-year outcome of the covered endovascular reconstruction of the aortic bifurcation technique for aortoiliac occlusive disease. <i>Journal of Vascular Surgery</i> , 2018, 67, 1438-1447.	1.1	64
58	Optical verification and in-vitro characterization of two commercially available acoustic bubble counters for cardiopulmonary bypass systems. <i>Perfusion (United Kingdom)</i> , 2018, 33, 16-24.	1.0	19
59	High-precision acoustic measurements of the nonlinear dilatational elasticity of phospholipid coated monodisperse microbubbles. <i>Soft Matter</i> , 2018, 14, 9550-9561.	2.7	41
60	Layered acoustofluidic resonators for the simultaneous optical and acoustic characterisation of cavitation dynamics, microstreaming, and biological effects. <i>Biomicrofluidics</i> , 2018, 12, 034109.	2.4	18
61	Evaporation-Triggered Segregation of Sessile Binary Droplets. <i>Physical Review Letters</i> , 2018, 120, 224501.	7.8	63
62	High-Frame-Rate Contrast-enhanced US Particle Image Velocimetry in the Abdominal Aorta: First Human Results. <i>Radiology</i> , 2018, 289, 119-125.	7.3	18
63	Giant and explosive plasmonic bubbles by delayed nucleation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7676-7681.	7.1	76
64	Insights into Acoustically Induced PiezoLuminescence: The Visualization of Ultrasonic Beam Patterns. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0
65	High-Frame-Rate Contrast-Enhanced Ultrasound for Velocimetry in the Human Abdominal Aorta. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 2245-2254.	3.0	18
66	Non-spherical oscillations drive the ultrasound-mediated release from targeted microbubbles. <i>Communications Physics</i> , 2018, 1, .	5.3	35
67	In vitro high-frame-rate contrast-enhanced ultrasound particle image velocimetry in a carotid artery stent. , 2018, , .		2
68	Self-wrapping of an ouzo drop induced by evaporation on a superamphiphobic surface. <i>Soft Matter</i> , 2017, 13, 2749-2759.	2.7	47
69	Flow and wall shear stress characterization after endovascular aneurysm repair and endovascular aneurysm sealing in an infrarenal aneurysm model. <i>Journal of Vascular Surgery</i> , 2017, 66, 1844-1853.	1.1	26
70	Laser-Activated Polymeric Microcapsules for Ultrasound Imaging and Therapy: In Vitro Feasibility. <i>Biophysical Journal</i> , 2017, 112, 1894-1907.	0.5	5
71	Evaporating pure, binary and ternary droplets: thermal effects and axial symmetry breaking. <i>Journal of Fluid Mechanics</i> , 2017, 823, 470-497.	3.4	126
72	Temperature evolution of preheated irrigant injected into a root canal ex vivo. <i>Clinical Oral Investigations</i> , 2017, 21, 2841-2850.	3.0	13

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73	Ultrafast imaging method to measure surface tension and viscosity of inkjet-printed droplets in flight. <i>Experiments in Fluids</i> , 2017, 58, 1.	2.4	32
74	Influence of Iliac Stenotic Lesions on Blood Flow Patterns Near a Covered Endovascular Reconstruction of the Aortic Bifurcation (CERAB) Stent Configuration. <i>Journal of Endovascular Therapy</i> , 2017, 24, 800-808.	1.5	7
75	Apparatus to control and visualize the impact of a high-energy laser pulse on a liquid target. <i>Review of Scientific Instruments</i> , 2017, 88, 095102.	1.3	5
76	Universal Equations for the Coalescence Probability and Long-Term Size Stability of Phospholipid-Coated Monodisperse Microbubbles Formed by Flow Focusing. <i>Langmuir</i> , 2017, 33, 10329-10339.	3.5	40
77	Laser-driven resonance of dye-doped oil-coated microbubbles: Experimental study. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 4832-4846.	1.1	6
78	Laser-driven resonance of dye-doped oil-coated microbubbles: A theoretical and numerical study. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2727-2745.	1.1	7
79	On the dynamics of StemBells: Microbubble-conjugated stem cells for ultrasound-controlled delivery. <i>Applied Physics Letters</i> , 2017, 111, 023701.	3.3	5
80	The Influence of Positioning of the Nellix Endovascular Aneurysm Sealing System on Suprarenal and Renal Flow: An In Vitro Study. <i>Journal of Endovascular Therapy</i> , 2017, 24, 677-687.	1.5	4
81	Hemodynamic comparison of stent configurations used for aortoiliac occlusive disease. <i>Journal of Vascular Surgery</i> , 2017, 66, 251-260.e1.	1.1	34
82	Oblique drop impact onto a deep liquid pool. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	36
83	Focal areas of increased lipid concentration on the coating of microbubbles during short tone-burst ultrasound insonification. <i>PLoS ONE</i> , 2017, 12, e0180747.	2.5	17
84	Uniform scattering and attenuation of acoustically sorted ultrasound contrast agents: Modeling and experiments. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 2506-2517.	1.1	72
85	<i>In vitro</i> methods to study bubble-cell interactions: Fundamentals and therapeutic applications. <i>Biomicrofluidics</i> , 2016, 10, 011501.	2.4	45
86	Loss of gas from echogenic liposomes exposed to pulsed ultrasound. <i>Physics in Medicine and Biology</i> , 2016, 61, 8321-8339.	3.0	9
87	Combined optical sizing and acoustical characterization of single freely-floating microbubbles. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	3
88	Experimental Techniques for Retrieving Flow Information from within Inkjet Nozzles. <i>Journal of Imaging Science and Technology</i> , 2016, 60, 405021-4050214.	0.5	2
89	Stability of Monodisperse Phospholipid-Coated Microbubbles Formed by Flow-Focusing at High Production Rates. <i>Langmuir</i> , 2016, 32, 3937-3944.	3.5	74
90	Ballistic energy conversion: physical modeling and optical characterization. <i>Nano Energy</i> , 2016, 30, 252-259.	16.0	10

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91	Ultrahigh-Speed Dynamics of Micrometer-Scale Inertial Cavitation from Nanoparticles. <i>Physical Review Applied</i> , 2016, 6, .	3.8	26
92	Redox control of capillary filling speed in poly(ferrocenylsilane)-modified microfluidic channels for switchable delay valves. <i>European Polymer Journal</i> , 2016, 83, 507-516.	5.4	4
93	The Role of Irrigation in Endodontics. , 2016, , 45-69.		2
94	Study of the geometry in a 3D flow-focusing device. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	8
95	Sonoprinting and the importance of microbubble loading for the ultrasound mediated cellular delivery of nanoparticles. <i>Biomaterials</i> , 2016, 83, 294-307.	11.4	89
96	Droplets, Bubbles and Ultrasound Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2016, 880, 157-174.	1.6	28
97	Bubble sorting in pinched microchannels for ultrasound contrast agent enrichment. <i>Lab on A Chip</i> , 2015, 15, 3716-3722.	6.0	31
98	Impulse response method for characterization of echogenic liposomes. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1693-1703.	1.1	11
99	Non-linear Response and Viscoelastic Properties of Lipid-Coated Microbubbles: DSPC versus DPPC. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1432-1445.	1.5	51
100	Intravital microscopy of localized stem cell delivery using microbubbles and acoustic radiation force. <i>Biotechnology and Bioengineering</i> , 2015, 112, 220-227.	3.3	33
101	Enhancing acoustic cavitation using artificial crevice bubbles. <i>Ultrasonics</i> , 2015, 56, 512-523.	3.9	38
102	Root Canal Irrigation. <i>Springer Series on Biofilms</i> , 2015, , 259-301.	0.1	8
103	Acoustic streaming induced by an ultrasonically oscillating endodontic file. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 1717-1730.	1.1	37
104	Acoustic droplet vaporization is initiated by superharmonic focusing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1697-1702.	7.1	159
105	On the Acoustic Properties of Vaporized Submicron Perfluorocarbon Droplets. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1379-1384.	1.5	35
106	Velocity Profile inside Piezoacoustic Inkjet Droplets in Flight: Comparison between Experiment and Numerical Simulation. <i>Physical Review Applied</i> , 2014, 1, .	3.8	85
107	Formation and removal of apical vapor lock during syringe irrigation: a combined experimental and Computational Fluid Dynamics approach. <i>International Endodontic Journal</i> , 2014, 47, 191-201.	5.0	53
108	Cavitation Measurement during Sonic and Ultrasonic Activated Irrigation. <i>Journal of Endodontics</i> , 2014, 40, 580-583.	3.1	59

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109	Influence of the Dentinal Wall on the pH of Sodium Hypochlorite during Root Canal Irrigation. <i>Journal of Endodontics</i> , 2014, 40, 1005-1008.	3.1	17
110	High-efficiency ballistic electrostatic generator using microdroplets. <i>Nature Communications</i> , 2014, 5, 3575.	12.8	55
111	Acoustic bubble sorting for ultrasound contrast agent enrichment. <i>Lab on A Chip</i> , 2014, 14, 1705-1714.	6.0	63
112	Ultrafast vapourization dynamics of laser-activated polymeric microcapsules. <i>Nature Communications</i> , 2014, 5, 3671.	12.8	31
113	A novel methodology providing insights into removal of biofilm-mimicking hydrogel from lateral morphological features of the root canal during irrigation procedures. <i>International Endodontic Journal</i> , 2014, 47, 1040-1051.	5.0	34
114	Nonlinear dynamics of single freely-floating microbubbles under prolonged insonation. , 2014, , .		0
115	Lipid Shedding from Single Oscillating Microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1834-1846.	1.5	71
116	Acoustic behavior of microbubbles and implications for drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2014, 72, 28-48.	13.7	295
117	Sonochemical and high-speed optical characterization of cavitation generated by an ultrasonically oscillating dental file in root canal models. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 324-335.	8.2	47
118	Influence of refreshment/activation cycles and temperature rise on the reaction rate of sodium hypochlorite with bovine dentine during ultrasonic activated irrigation. <i>International Endodontic Journal</i> , 2014, 47, 147-154.	5.0	37
119	Microbubbles for Medical Applications. <i>RSC Nanoscience and Nanotechnology</i> , 2014, , 81-101.	0.2	5
120	Ultra-fast bright field and fluorescence imaging of the dynamics of micrometer-sized objects. <i>Review of Scientific Instruments</i> , 2013, 84, 063701.	1.3	34
121	High-speed imaging in fluids. <i>Experiments in Fluids</i> , 2013, 54, 1.	2.4	127
122	Radiographic Healing after a Root Canal Treatment Performed in Single-rooted Teeth with and without Ultrasonic Activation of the Irrigant: A Randomized Controlled Trial. <i>Journal of Endodontics</i> , 2013, 39, 1218-1225.	3.1	84
123	20 years of ultrasound contrast agent modeling. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 7-20.	3.0	122
124	The efficiency and stability of bubble formation by acoustic vaporization of submicron perfluorocarbon droplets. <i>Ultrasonics</i> , 2013, 53, 1368-1376.	3.9	83
125	The role of gas in ultrasonically driven vapor bubble growth. <i>Physics in Medicine and Biology</i> , 2013, 58, 2523-2535.	3.0	67
126	Secondary Bjerknes Forces Deform Targeted Microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 490-506.	1.5	35

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127	Measurement and visualization of file-to-wall contact during ultrasonically activated irrigation in simulated canals. International Endodontic Journal, 2013, 46, 1046-1055.	5.0	58
128	Ultrafast dynamics of the acoustic vaporization of phase-change microdroplets. Journal of the Acoustical Society of America, 2013, 134, 1610-1621.	1.1	57
129	Irrigant transport into dental microchannels. Microfluidics and Nanofluidics, 2013, 16, 1165.	2.2	7
130	Characterization of microbubble-loaded stem cells for targeted cell therapy. , 2013, , .		0
131	Liposome shedding from a vibrating microbubble on nanoseconds timescale. , 2013, , .		2
132	Ultrafast dynamics of the acoustic vaporization of phase-change microdroplets. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
133	Acoustic bubble sorting of ultrasound contrast agents. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
134	Time-resolved high-speed fluorescence imaging of bubble-induced sonoporation.. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
135	Secondary Bjerknes forces deform targeted microbubbles. , 2012, , .		1
136	Segmented high speed imaging of vibrating microbubbles during long ultrasound pulses. , 2012, , .		3
137	Characterizing ultrasound-controlled drug release by high-speed fluorescence imaging. , 2012, , .		0
138	InÂVivo Characterization of Ultrasound Contrast Agents: Microbubble Spectroscopy in a Chicken Embryo. Ultrasound in Medicine and Biology, 2012, 38, 1608-1617.	1.5	32
139	Acoustical Properties of Individual Liposome-Loaded Microbubbles. Ultrasound in Medicine and Biology, 2012, 38, 2174-2185.	1.5	45
140	Correspondence - Nonlinear oscillations of deflating bubbles. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2818-24.	3.0	16
141	Irrigant Flow beyond the Insertion Depth of an Ultrasonically Oscillating File in Straight and Curved Root Canals: Visualization and Cleaning Efficacy. Journal of Endodontics, 2012, 38, 657-661.	3.1	55
142	Brandaris 128 ultra-high-speed imaging facility: 10 years of operation, updates, and enhanced features. Review of Scientific Instruments, 2012, 83, 103706.	1.3	52
143	Role of the confinement of a root canal on jet impingement during endodontic irrigation. Experiments in Fluids, 2012, 53, 1841-1853.	2.4	37
144	Localized removal of layers of metal, polymer, or biomaterial by ultrasound cavitation bubbles. Biomicrofluidics, 2012, 6, 34114.	2.4	42

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145	Oscillation characteristics of endodontic files: numerical model and its validation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2448-59.	3.0	20
146	Biodegradable polymeric microcapsules for selective ultrasound-triggered drug release. Soft Matter, 2011, 7, 5417.	2.7	67
147	Bubble size prediction in co-flowing streams. Europhysics Letters, 2011, 94, 64001.	2.0	19
148	Probing microbubble adhesion using secondary acoustic radiation force. , 2011, , .		2
149	Optical characterization of individual liposome-loaded microbubbles. , 2011, , .		0
150	Unbinding of targeted ultrasound contrast agent microbubbles by secondary acoustic forces. Physics in Medicine and Biology, 2011, 56, 6161-6177.	3.0	39
151	“Compression-only” behavior: A second-order nonlinear response of ultrasound contrast agent microbubbles. Journal of the Acoustical Society of America, 2011, 129, 1729-1739.	1.1	70
152	The Influence of the Ultrasonic Intensity on the Cleaning Efficacy of Passive Ultrasonic Irrigation. Journal of Endodontics, 2011, 37, 688-692.	3.1	99
153	Nonspherical Shape Oscillations of Coated Microbubbles in Contact With a Wall. Ultrasound in Medicine and Biology, 2011, 37, 935-948.	1.5	65
154	Dynamics of Coated Microbubbles Adherent to a Wall. Ultrasound in Medicine and Biology, 2011, 37, 1500-1508.	1.5	59
155	iLIF: illumination by Laser-Induced Fluorescence for single flash imaging on a nanoseconds timescale. Experiments in Fluids, 2011, 51, 1283-1289.	2.4	29
156	Characterizing the Subharmonic Response of Phospholipid-Coated Microbubbles for Carotid Imaging. Ultrasound in Medicine and Biology, 2011, 37, 958-970.	1.5	67
157	Infrared imaging and acoustic sizing of a bubble inside a micro-electro-mechanical system piezo ink channel. Journal of Applied Physics, 2011, 110, 034503.	2.5	18
158	Microbubble formation and pinch-off scaling exponent in flow-focusing devices. Physics of Fluids, 2011, 23, .	4.0	67
159	Combined optical and acoustical detection of single microbubble dynamics. Journal of the Acoustical Society of America, 2011, 130, 3271-3281.	1.1	37
160	IO5...Changes in iron concentrations in Huntington's disease. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, A37.1-A37.	1.9	0
161	Acoustic Sizing of an Ultrasound Contrast Agent. Ultrasound in Medicine and Biology, 2010, 36, 1713-1721.	1.5	20
162	Irrigant flow in the root canal: experimental validation of an unsteady Computational Fluid Dynamics model using high-speed imaging. International Endodontic Journal, 2010, 43, 393-403.	5.0	56

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