

John R Eisenbrey

List of Publications by Year in descending order

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123
papers

1,975
citations

257450

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Network Meta-Analysis: Noninvasive Imaging Modalities for Identifying Clinically Significant Portal Hypertension. <i>Digestive Diseases and Sciences</i> , 2022, 67, 3313-3326.	2.3	11
2	Contrast-Enhanced Ultrasound and Shear Wave Elastography: Novel Methods for the Evaluation of Urethral Stricture Disease. <i>Journal of Urology</i> , 2022, 207, 152-160.	0.4	6
3	3D Harmonic and Subharmonic Imaging for Characterizing Breast Lesions. <i>Journal of Ultrasound in Medicine</i> , 2022, 41, 1667-1675.	1.7	5
4	Improved Sensitivity of Ultrasound-Based Subharmonic Aided Pressure Estimation Using Monodisperse Microbubbles. <i>Journal of Ultrasound in Medicine</i> , 2022, 41, 1781-1789.	1.7	2
5	Ultrasound Pressure Estimation for Diagnosing Portal Hypertension in Patients Undergoing Dialysis for Chronic Kidney Disease. <i>Journal of Ultrasound in Medicine</i> , 2022, 41, 2181-2189.	1.7	3
6	State of the Art: Contrast Enhanced 4D Ultrasound to Monitor or Assess Locoregional Therapies. <i>Digestive Disease Interventions</i> , 2022, 06, 003-012.	0.2	0
7	Making waves: how ultrasound-targeted drug delivery is changing pharmaceutical approaches. <i>Materials Advances</i> , 2022, 3, 3023-3040.	5.4	31
8	Evaluation of suspected small bowel ischemia using contrast-enhanced ultrasound with computed tomography fusion. <i>Journal of Emergencies, Trauma and Shock</i> , 2022, 15, 60.	0.7	1
9	Interpretable Machine Learning for Characterization of Focal Liver Lesions by Contrast-Enhanced Ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 1670-1681.	3.0	17
10	Development of a Dual Drug-Loaded, Surfactant-Stabilized Contrast Agent Containing Oxygen. <i>Polymers</i> , 2022, 14, 1568.	4.5	3
11	Diagnostic Value of TI-RADS Classification System and Next Generation Genetic Sequencing in Indeterminate Thyroid Nodules. <i>Academic Radiology</i> , 2021, 28, 1685-1691.	2.5	5
12	A Noninvasive Ultrasound Based Technique to Identify Treatment Responders in Patients with Portal Hypertension. <i>Academic Radiology</i> , 2021, 28, S128-S137.	2.5	3
13	The Diagnostic Value of Contrast-Enhanced Ultrasound for Monitoring Complications After Kidney Transplantation: A Systematic Review and Meta-Analysis. <i>Academic Radiology</i> , 2021, 28, 1086-1093.	2.5	6
14	Effects of Contrast-Enhanced Ultrasound of Indeterminate Renal Masses on Patient Clinical Management. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 131-139.	1.7	3
15	Diagnosing Portal Hypertension with Noninvasive Subharmonic Pressure Estimates from a US Contrast Agent. <i>Radiology</i> , 2021, 298, 104-111.	7.3	38
16	US-triggered Microbubble Destruction for Augmenting Hepatocellular Carcinoma Response to Transarterial Radioembolization: A Randomized Pilot Clinical Trial. <i>Radiology</i> , 2021, 298, 450-457.	7.3	38
17	Hepatic Vein Contrast-Enhanced Ultrasound Subharmonic Imaging Signal as a Screening Test for Portal Hypertension. <i>Digestive Diseases and Sciences</i> , 2021, 66, 4354-4360.	2.3	9
18	Selecting the optimal parameters for sonoporation of pancreatic cancer in a pre-clinical model. <i>Cancer Biology and Therapy</i> , 2021, 22, 204-215.	3.4	12

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19	Contrast-enhanced ultrasound (CEUS) in HCC diagnosis and assessment of tumor response to locoregional therapies. <i>Abdominal Radiology</i> , 2021, 46, 3579-3595.	2.1	28
20	Emerging Applications of Ultrasound-Contrast Agents in Radiation Therapy. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1465-1474.	1.5	17
21	Ultrasound contrast agents: microbubbles made simple for the pediatric radiologist. <i>Pediatric Radiology</i> , 2021, 51, 2117-2127.	2.0	11
22	Contrast-Enhanced Ultrasound in Small Intestinal Ischemia. <i>Journal of Ultrasound in Medicine</i> , 2021, , .	1.7	2
23	Meta-analysis and systematic review of contrast-enhanced ultrasound in evaluating the treatment response after locoregional therapy of hepatocellular carcinoma. <i>Abdominal Radiology</i> , 2021, 46, 5162-5179.	2.1	9
24	Gemcitabine-loaded microbubble system for ultrasound imaging and therapy. <i>Acta Biomaterialia</i> , 2021, 130, 385-394.	8.3	21
25	Assessment of Axillary Lymph Nodes for Metastasis on Ultrasound Using Artificial Intelligence. <i>Ultrasonic Imaging</i> , 2021, 43, 329-336.	2.6	11
26	Predicting Long-Term Hepatocellular Carcinoma Response to Transarterial Radioembolization Using Contrast-Enhanced Ultrasound: Initial Experiences. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2523-2531.	1.5	4
27	Shaping the synthesis of surfactant-stabilized oxygen microbubbles to accommodate encapsulated drug. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112049.	5.0	5
28	Imaging appearance of residual HCC following incomplete trans-arterial chemoembolization on contrast-enhanced imaging. <i>Abdominal Radiology</i> , 2021, , 1.	2.1	1
29	Activation of Phase Change Contrast Agents Using Ionizing Radiation. <i>Journal of Ultrasound in Medicine</i> , 2021, , .	1.7	1
30	Machine Learning by Ultrasonography for Genetic Risk Stratification of Thyroid Nodules. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2020, 146, 36.	2.2	25
31	Characterizing Breast Lesions Using Quantitative Parametric 3D Subharmonic Imaging: A Multicenter Study. <i>Academic Radiology</i> , 2020, 27, 1065-1074.	2.5	10
32	Incorporation of a Machine Learning Algorithm With Object Detection Within the Thyroid Imaging Reporting and Data System Improves the Diagnosis of Genetic Risk. <i>Frontiers in Oncology</i> , 2020, 10, 591846.	2.8	12
33	Perfusion-guided sonopermeation of neuroblastoma: a novel strategy for monitoring and predicting liposomal doxorubicin uptake <i>in vivo</i> . <i>Theranostics</i> , 2020, 10, 8143-8161.	10.0	17
34	Contrast-enhanced Ultrasound Identifies Patent Feeding Vessels in Transarterial Chemoembolization Patients With Residual Tumor Vascularity. <i>Ultrasound Quarterly</i> , 2020, 36, 218-223.	0.8	8
35	Incubation Method for Loading Lonidamine in Oxygen Microbubbles for Targeted Drug Delivery. , 2020, , .		0
36	Tumor Vascular Networks Depicted in Contrast-Enhanced Ultrasound Images as a Predictor for Transarterial Chemoembolization Treatment Response. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2276-2286.	1.5	31

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37	Superb Microvascular Imaging Improves Detection of Vascularity in Indeterminate Renal Masses. Journal of Ultrasound in Medicine, 2020, 39, 1947-1955.	1.7	13
38	Characterization of indeterminate breast lesions on B-mode ultrasound using automated machine learning models. Journal of Medical Imaging, 2020, 7, .	1.5	2
39	Contrast-Enhanced Subharmonic Aided Pressure Estimation (SHAPE) using Ultrasound Imaging with a Focus on Identifying Portal Hypertension. Journal of Visualized Experiments, 2020, , .	0.3	6
40	Faster motion correction of clinical contrast-enhanced ultrasound imaging using deep learning. , 2020, , .		2
41	Ultrasound Triggered Microbubble Destruction for Disrupting Biofilms in Synovial Fluid. , 2020, , .		0
42	Monitoring Progression of Ductal Carcinoma In Situ Using Photoacoustics and Contrast-Enhanced Ultrasound. Translational Oncology, 2019, 12, 973-980.	3.7	3
43	Breast Cancer Brain Metastasis Response to Radiation After Microbubble Oxygen Delivery in a Murine Model. Journal of Ultrasound in Medicine, 2019, 38, 3221-3228.	1.7	26
44	Preserving the Integrity of Surfactant-Stabilized Microbubble Membranes for Localized Oxygen Delivery. Langmuir, 2019, 35, 10068-10078.	3.5	16
45	Ultrasound-triggered antibiotic release from PEEK clips to prevent spinal fusion infection: Initial evaluations. Acta Biomaterialia, 2019, 93, 12-24.	8.3	30
46	Predicting Long Term HCC Response to Radioembolization Using Contrast-Enhanced Ultrasound 1-2 Weeks Post Treatment. , 2019, , .		1
47	Characterization of Ultrasound-Triggered Bulk Antibiotic Release from Novel Spinal Hardware. , 2019, , .		0
48	Multiscale quantification of tumor microarchitecture for predicting therapy response using dynamic contrast-enhanced ultrasound imaging. , 2019, , .		5
49	On Factors Affecting Subharmonic-aided Pressure Estimation (SHAPE). Ultrasonic Imaging, 2019, 41, 35-48.	2.6	14
50	Characterization of Breast Microcalcifications Using a New Ultrasound Imageâ€­Processing Technique. Journal of Ultrasound in Medicine, 2019, 38, 1733-1738.	1.7	11
51	Performance of Molecular Lymphosonography for Detection and Quantification of Metastatic Involvement in Sentinel Lymph Nodes. Journal of Ultrasound in Medicine, 2019, 38, 2103-2110.	1.7	3
52	Threeâ€­Dimensional Subharmonic Aided Pressure Estimation for Assessing Arterial Plaques in a Rabbit Model. Journal of Ultrasound in Medicine, 2019, 38, 1865-1873.	1.7	4
53	Influence of Data Parsing on Contrast Enhanced Ultrasound Exams. Academic Radiology, 2019, 26, 1030-1039.	2.5	0
54	Evaluation of hepatocellular carcinoma transarterial chemoembolization using quantitative analysis of 2D and 3D real-time contrast enhanced ultrasound. Biomedical Physics and Engineering Express, 2018, 4, 035039.	1.2	18

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55	Contrast-enhanced ultrasonography in interventional oncology. <i>Abdominal Radiology</i> , 2018, 43, 3166-3175.	2.1	20
56	Sensitization of Hypoxic Tumors to Radiation Therapy Using Ultrasound-Sensitive Oxygen Microbubbles. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 88-96.	0.8	78
57	Influence of contrast-enhanced ultrasound administration setups on microbubble enhancement: a focus on pediatric applications. <i>Pediatric Radiology</i> , 2018, 48, 101-108.	2.0	12
58	Contrast-enhanced ultrasound identifies early extrahepatic collateral contributing to residual hepatocellular tumor viability after transarterial chemoembolization. <i>Radiology Case Reports</i> , 2018, 13, 713-718.	0.6	2
59	Ultrasound Detection of Microcalcifications in Surgical Breast Specimens. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1286-1290.	1.5	12
60	A Narrative Review on Contrast-Enhanced Ultrasound in Aortic Endograft Endoleak Surveillance. <i>Ultrasound Quarterly</i> , 2018, 34, 170-175.	0.8	9
61	Recent technological advancements in cardiac ultrasound imaging. <i>Ultrasonics</i> , 2018, 84, 329-340.	3.9	30
62	Subdermal Ultrasound Contrast Agent Injection for Sentinel Lymph Node Identification: An Analysis of Safety and Contrast Agent Dose in Healthy Volunteers. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1611-1620.	1.7	21
63	Subharmonic and Endoscopic Contrast Imaging of Pancreatic Masses: A Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 123-129.	1.7	8
64	Sentinel Lymph Node Characterization with a Dual-Targeted Molecular Ultrasound Contrast Agent. <i>Molecular Imaging and Biology</i> , 2018, 20, 221-229.	2.6	16
65	AUTHOR REPLY. <i>Urology</i> , 2018, 121, 196.	1.0	0
66	Long Term Surveillance of Renal Cell Carcinoma Recurrence Following Ablation using 2D and 3D Contrast-Enhanced Ultrasound. <i>Urology</i> , 2018, 121, 189-196.	1.0	11
67	Photoacoustic Oxygenation Quantification in Patients with Raynaud's: First-in-Human Results. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2081-2088.	1.5	19
68	Effect of Pulse Shaping on Subharmonic Aided Pressure Estimation In Vitro and In Vivo. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 3-11.	1.7	23
69	Subharmonic-Aided Pressure Estimation for Monitoring Interstitial Fluid Pressure in Tumors: Calibration and Treatment with Paclitaxel in Breast Cancer Xenografts. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1401-1410.	1.5	14
70	Monitoring Neoadjuvant Chemotherapy for Breast Cancer by Using Three-dimensional Subharmonic Aided Pressure Estimation and Imaging with US Contrast Agents: Preliminary Experience. <i>Radiology</i> , 2017, 285, 53-62.	7.3	39
71	Localized microbubble cavitation-based antivasular therapy for improving HCC treatment response to radiotherapy. <i>Cancer Letters</i> , 2017, 411, 100-105.	7.2	38
72	Shell effects on acoustic performance of a drug delivery system activated by ultrasound. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3189-3196.	4.0	12

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73	On factors impacting subharmonic aided pressure estimation (SHAPE). , 2017, , .		0
74	Quantitative 3D subharmonic imaging for characterizing breast lesions. , 2017, , .		0
75	Ultrasound microbubble targeted gemcitabine delivery for pancreatic cancer treatment. , 2017, , .		1
76	Oncologic Applications of Magnetic Resonance Guided Focused Ultrasound. Cancer Treatment and Research, 2017, , 69-108.	0.5	2
77	Effect of a poloxamer 407-based thermosensitive gel on minimization of thermal injury to diaphragm during microwave ablation of the liver. World Journal of Gastroenterology, 2017, 23, 2141.	3.3	3
78	Balancing stealth and echogenic properties in an ultrasound contrast agent with drug delivery potential. Biomaterials, 2016, 103, 197-206.	11.4	20
79	Recent technological advancements in breast ultrasound. Ultrasonics, 2016, 70, 183-190.	3.9	24
80	Comparing Quantitative Immunohistochemical Markers of Angiogenesis to Contrast-Enhanced Subharmonic Imaging. Journal of Ultrasound in Medicine, 2016, 35, 1839-1847.	1.7	4
81	Contrast-Enhanced Sonography and Fusion Technology for Assessment of an Embolized Renal Angiomyolipoma. Journal of Ultrasound in Medicine, 2016, 35, 2292-2295.	1.7	1
82	Contrast-enhanced nonlinear 3D ultrasound imaging of breast lesions in a clinical population. , 2016, , .		1
83	Quantitative Nonlinear Contrast-Enhanced Ultrasound of the Breast. American Journal of Roentgenology, 2016, 207, 274-281.	2.2	18
84	Recent Experiences and Advances in Contrast-Enhanced Subharmonic Ultrasound. BioMed Research International, 2015, 2015, 1-6.	1.9	16
85	Multimodal imaging: Nanocrystal loaded PLA-shelled contrast agents. , 2015, , .		0
86	Nanoparticle Loaded Polymeric Microbubbles as Contrast Agents for Multimodal Imaging. Langmuir, 2015, 31, 11858-11867.	3.5	37
87	2088359 Photoacoustic Imaging Of Vascular Oxygenation Following Dielectric Barrier Discharge Plasma Wound Treatment. Ultrasound in Medicine and Biology, 2015, 41, S13-S14.	1.5	0
88	2091785 Development Of A Small Animal Model Of Onchocerciasis: Verification With High-Frequency Ultrasound Imaging. Ultrasound in Medicine and Biology, 2015, 41, S12-S13.	1.5	0
89	Preservation of imaging capability in sensitive ultrasound contrast agents after indirect plasma sterilization. International Journal of Pharmaceutics, 2015, 494, 146-151.	5.2	2
90	2089031 Parametric Volumes For Visualizing Breast Lesion Vascularity Using 3D Subharmonic Imaging. Ultrasound in Medicine and Biology, 2015, 41, S76-S77.	1.5	0

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91	2090059 Subharmonic and Endoscopic Contrast Imaging of Pancreatic Masses. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, S99-S100.	1.5	0
92	Quantitative analysis of vascular heterogeneity in breast lesions using contrast-enhanced 3-D harmonic and subharmonic ultrasound imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 502-510.	3.0	24
93	Comparison of Photoacoustically Derived Hemoglobin and Oxygenation Measurements with Contrast-Enhanced Ultrasound Estimated Vascularity and Immunohistochemical Staining in a Breast Cancer Model. <i>Ultrasonic Imaging</i> , 2015, 37, 42-52.	2.6	27
94	High and low frequency subharmonic imaging of angiogenesis in a murine breast cancer model. <i>Ultrasonics</i> , 2015, 62, 50-55.	3.9	5
95	Contrast-Enhanced Subharmonic and Harmonic Ultrasound of Renal Masses Undergoing Percutaneous Cryoablation. <i>Academic Radiology</i> , 2015, 22, 820-826.	2.5	12
96	Contrast-Enhanced Ultrasound Evaluation of Residual Blood Flow to Hepatocellular Carcinoma After Treatment With Transarterial Chemoembolization Using Drug-Eluting Beads. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 859-867.	1.7	33
97	Effects of Needle and Catheter Size on Commercially Available Ultrasound Contrast Agents. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 1961-1968.	1.7	27
98	Development of an ultrasound sensitive oxygen carrier for oxygen delivery to hypoxic tissue. <i>International Journal of Pharmaceutics</i> , 2015, 478, 361-367.	5.2	66
99	Contrast-Enhanced Sonography for Detection of Secondary Lymph Nodes in a Melanoma Tumor Animal Model. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 939-947.	1.7	14
100	Contrast-enhanced ultrasound-guided Sentinel lymph node biopsy of the ocular conjunctiva. <i>Laryngoscope</i> , 2014, 124, 2531-2536.	2.0	2
101	Microcalcifications Versus Artifacts: Initial Evaluation of a New Ultrasound Image Processing Technique to Identify Breast Microcalcifications in a Screening Population. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2321-2324.	1.5	14
102	Delineation of Atherosclerotic Plaque Using Subharmonic Imaging Filtering Techniques and a Commercial Intravascular Ultrasound System. <i>Ultrasonic Imaging</i> , 2013, 35, 30-44.	2.6	10
103	Correlation of ultrasound contrast agent derived blood flow parameters with immunohistochemical angiogenesis markers in murine xenograft tumor models. <i>Ultrasonics</i> , 2013, 53, 1384-1391.	3.9	13
104	Chronic Liver Disease: Noninvasive Subharmonic Aided Pressure Estimation of Hepatic Venous Pressure Gradient. <i>Radiology</i> , 2013, 268, 581-588.	7.3	81
105	Perfusion Estimation Using Contrast-Enhanced 3-dimensional Subharmonic Ultrasound Imaging. <i>Investigative Radiology</i> , 2013, 48, 654-660.	6.2	32
106	Subharmonic microbubble emissions for noninvasively tracking right ventricular pressures. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H126-H132.	3.2	29
107	Processing of Subharmonic Signals from Ultrasound Contrast Agents to Determine Ambient Pressures. <i>Ultrasonic Imaging</i> , 2012, 34, 81-92.	2.6	15
108	New Image Processing Technique for Evaluating Breast Microcalcifications. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 885-893.	1.7	24

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109	Parametric Subharmonic Imaging Using a Commercial Intravascular Ultrasound Scanner. Journal of Ultrasound in Medicine, 2012, 31, 361-371.	1.7	7
110	Investigating the Efficacy of Subharmonic Aided Pressure Estimation for Portal Vein Pressures and Portal Hypertension Monitoring. Ultrasound in Medicine and Biology, 2012, 38, 1784-1798.	1.5	34
111	Three-Dimensional Subharmonic Ultrasound Imaging In Vitro and In Vivo. Academic Radiology, 2012, 19, 732-739.	2.5	38
112	Noninvasive LV Pressure Estimation Using Subharmonic Emissions From Microbubbles. JACC: Cardiovascular Imaging, 2012, 5, 87-92.	5.3	62
113	Cellular signal transduction can be induced by TRAIL conjugated to microcapsules. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2602-2611.	4.0	13
114	Acute portal hypertension models in dogs: low- and high-flow approaches. Comparative Medicine, 2012, 62, 419-26.	1.0	3
115	Disposition of Ultrasound Sensitive Polymeric Drug Carrier in a Rat Hepatocellular Carcinoma Model. Academic Radiology, 2011, 18, 1341-1348.	2.5	57
116	Parametric Imaging Using Subharmonic Signals From Ultrasound Contrast Agents in Patients With Breast Lesions. Journal of Ultrasound in Medicine, 2011, 30, 85-92.	1.7	35
117	Doxorubicin and paclitaxel loaded microbubbles for ultrasound triggered drug delivery. International Journal of Pharmaceutics, 2011, 414, 161-170.	5.2	138
118	Assessing algorithms for defining vascular architecture in subharmonic images of breast lesions. Physics in Medicine and Biology, 2011, 56, 919-930.	3.0	16
119	Subharmonic Contrast Microbubble Signals for Noninvasive Pressure Estimation under Static and Dynamic Flow Conditions. Ultrasonic Imaging, 2011, 33, 153-164.	2.6	68
120	Targeted binding of PEG-lipid modified polymer ultrasound contrast agents with tiered surface architecture. Biotechnology and Bioengineering, 2010, 106, 501-506.	3.3	10
121	Breast lesion characterization by parametric imaging of subharmonic signals from ultrasound contrast agents. , 2010, , .		0
122	Plasma Sterilization of Poly Lactic Acid Ultrasound Contrast Agents: Surface Modification and Implications for Drug Delivery. Ultrasound in Medicine and Biology, 2009, 35, 1854-1862.	1.5	13
123	Contrast-Enhanced Ultrasound and Shear Wave Elastography: Novel Methods for the Evaluation of Urethral Stricture Disease. Reply.. Journal of Urology, 0, , .	0.4	0