

Jonathan M Rubin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

792
citations

15
h-index

26
g-index

57
ext. papers

957
ext. citations

5.1
avg, IF

3.6
L-index

#	Paper	IF	Citations
55	Comparison of Variations Between Spectral Doppler and Gaussian Surface Integration Methods for Umbilical Vein Blood Volume Flow. <i>Journal of Ultrasound in Medicine</i> , 2021 , 40, 369-376	2.9	1
54	Three-dimensional US for Quantification of Volumetric Blood Flow: Multisite Multisystem Results from within the Quantitative Imaging Biomarkers Alliance. <i>Radiology</i> , 2020 , 296, 662-670	20.5	2
53	Partial Volume Effect and Correction for 3-D Color Flow Acquisition of Volumetric Blood Flow. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 1749-1759	3.2	1
52	Transvaginal Ultrasound Shear Wave Elastography for the Evaluation of Benign Uterine Pathologies: A Prospective Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2019 , 38, 149-155	2.9	21
51	Three-dimensional US Fractional Moving Blood Volume: Validation of Renal Perfusion Quantification. <i>Radiology</i> , 2019 , 293, 460-468	20.5	10
50	Strain-Photoacoustic Imaging as a Potential Tool for Characterizing Intestinal Fibrosis. <i>Gastroenterology</i> , 2019 , 157, 1196-1198	13.3	4
49	Normal axillary thickness thresholds as a metric for nutritional status of children. <i>Clinical Imaging</i> , 2019 , 54, 57-62	2.7	
48	Ultrasound Strain Imaging to Assess the Biceps Brachii Muscle in Chronic Poststroke Spasticity. <i>Journal of Ultrasound in Medicine</i> , 2018 , 37, 2043-2052	2.9	9
47	Identifying intestinal fibrosis and inflammation by spectroscopic photoacoustic imaging: an animal study. <i>Biomedical Optics Express</i> , 2018 , 9, 1590-1600	3.5	19
46	3-D Velocity and Volume Flow Measurement In Vivo Using Speckle Decorrelation and 2-D High-Frame-Rate Contrast-Enhanced Ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 2233-2244	3.2	10
45	Evaluation of Umbilical Vein Blood Volume Flow in Preeclampsia by Angle-Independent 3D Sonography. <i>Journal of Ultrasound in Medicine</i> , 2018 , 37, 1633-1640	2.9	5
44	Can Contrast-Enhanced Sonography Detect Bowel Wall Fibrosis in Mixed Inflammatory and Fibrotic Crohn Disease Lesions in an Animal Model?. <i>Journal of Ultrasound in Medicine</i> , 2017 , 36, 523-530	2.9	9
43	Use of Angle-Independent M-Mode Sonography for Assessment of Diaphragm Displacement. <i>Journal of Ultrasound in Medicine</i> , 2017 , 36, 1285	2.9	2
42	Speckle tracking as a method to measure hemidiaphragm excursion. <i>Muscle and Nerve</i> , 2017 , 55, 125-127	3.4	12
41	Patient preferences for chaperone use during transvaginal sonography. <i>Abdominal Radiology</i> , 2016 , 41, 324-33	3	8
40	Ultrasound strain elastography in assessment of resting biceps brachii muscle stiffness in patients with Parkinson's disease: a primary observation. <i>Clinical Imaging</i> , 2016 , 40, 440-4	2.7	11
39	Ultrasound Strain Measurements for Evaluating Local Pulmonary Ventilation. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 2525-2531	3.5	8

38	Volumetric blood flow in transjugular intrahepatic portosystemic shunt revision using 3-dimensional Doppler sonography. <i>Journal of Ultrasound in Medicine</i> , 2015 , 34, 257-66	2.9	11
37	Can Shear-Wave Elastography be Used to Discriminate Obstructive Hydronephrosis from Nonobstructive Hydronephrosis in Children?. <i>Radiology</i> , 2015 , 277, 259-67	20.5	16
36	Comparison of Ultrasound Corticomedullary Strain with Doppler Parameters in Assessment of Renal Allograft Interstitial Fibrosis/Tubular Atrophy. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 2631-9	3.5	8
35	Sonographic assessment of spleen stiffness before and after transjugular intrahepatic portosystemic shunt placement with or without concurrent embolization of portal systemic collateral veins in patients with cirrhosis and portal hypertension: a feasibility study. <i>Journal of Ultrasound in Medicine</i> , 2015 , 34, 443-9	2.9	22
34	Ultrasound strain zero-crossing elasticity measurement in assessment of renal allograft cortical hardness: a preliminary observation. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 2048-57	3.5	12
33	Ultrasound shear wave elastography helps discriminate low-grade from high-grade bowel wall fibrosis in ex vivo human intestinal specimens. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 2115-23	2.9	64
32	Quantification of ultrasound correlation-based flow velocity mapping and edge velocity gradient measurement. <i>Journal of Ultrasound in Medicine</i> , 2013 , 32, 1815-30	2.9	8
31	Three-dimensional sonographic measurement of blood volume flow in the umbilical cord. <i>Journal of Ultrasound in Medicine</i> , 2012 , 31, 1927-34	2.9	11
30	Potential use of ultrasound speckle tracking for motion management during radiotherapy: preliminary report. <i>Journal of Ultrasound in Medicine</i> , 2012 , 31, 469-81	2.9	11
29	Duplication images in vascular sonography. <i>Journal of Ultrasound in Medicine</i> , 2010 , 29, 1385-90	2.9	7
28	3D Elasticity imaging using principal stretches on an open-chest dog heart 2010 ,		3
27	Characterization of vascular strain during in-vitro angioplasty with high-resolution ultrasound speckle tracking. <i>Theoretical Biology and Medical Modelling</i> , 2010 , 7, 36	2.3	5
26	On the use of three-dimensional Doppler acquisition for real-time volume flow estimation.. <i>Journal of the Acoustical Society of America</i> , 2010 , 128, 2303-2303	2.2	
25	Mean volume flow estimation in pulsatile flow conditions. <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 1880-91	3.5	15
24	Three dimensional elastic modulus reconstruction for non-invasive, quantitative monitoring of tissue scaffold mechanical property changes 2008 ,		2
23	Diagnosing cysts with correlation coefficient images from 2-dimensional freehand elastography. <i>Journal of Ultrasound in Medicine</i> , 2007 , 26, 1201-7	2.9	8
22	Measurement of volumetric flow. <i>Journal of Ultrasound in Medicine</i> , 2006 , 25, 1305-11	2.9	24
21	Sonographic elasticity imaging of acute and chronic deep venous thrombosis in humans. <i>Journal of Ultrasound in Medicine</i> , 2006 , 25, 1179-86	2.9	62

20	Do microbubbles interact differently with leukocytes?. <i>Radiology</i> , 2004 , 230, 604-5	20.5	
19	Characterization of a linear streak artifact with pulse inversion tissue harmonics in musculoskeletal sonography. <i>Journal of Ultrasound in Medicine</i> , 2004 , 23, 1597-605	2.9	4
18	Clinical application of sonographic elasticity imaging for aging of deep venous thrombosis: preliminary findings. <i>Journal of Ultrasound in Medicine</i> , 2003 , 22, 443-8	2.9	39
17	Three-dimensional flow vectors from rf ultrasound signals 2002 ,		4
16	Volume flow measurement using Doppler and grey-scale decorrelation. <i>Ultrasound in Medicine and Biology</i> , 2001 , 27, 101-9	3.5	31
15	Speckle decorrelation flow measurement with B-mode US of contrast agent flow in a phantom and in rabbit kidney. <i>Radiology</i> , 1999 , 213, 429-37	20.5	21
14	Cardiovascular MR angiography. <i>International Journal of Cardiovascular Imaging</i> , 1999 , 15, 115-6		
13	MRA contrast bolus timing with ultrasound bubbles. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 389-94	5.6	9
12	Drs Bude and Rubin respond. <i>Radiology</i> , 1997 , 202, 284-285	20.5	15
11	Neurotraumatology: ultrasonic evaluation of the central nervous system. <i>Neurological Research</i> , 1997 , 19, 317-22	2.7	6
10	Determination of scan-plane motion using speckle decorrelation: Theoretical considerations and initial test. <i>International Journal of Imaging Systems and Technology</i> , 1997 , 8, 38-44	2.5	58
9	Determination of scan-plane motion using speckle decorrelation: Theoretical considerations and initial test 1997 , 8, 38		2
8	Determination of scan-plane motion using speckle decorrelation: Theoretical considerations and initial test 1997 , 8, 38		1
7	Renal duplex doppler ultrasonography: A noninvasive predictor of kidney dysfunction and hepatorenal failure in liver disease. <i>Hepatology</i> , 1994 , 20, 362-369	11.2	110
6	Effect of furosemide and intravenous normal saline fluid load upon the renal resistive index in nonobstructed kidneys in children. <i>Journal of Urology</i> , 1994 , 151, 438-41	2.5	32
5	Renal duplex doppler ultrasonography: A noninvasive predictor of kidney dysfunction and hepatorenal failure in liver disease 1994 , 20, 362		9
4	Characterization of transmitted motion in fetal lung: quantitative analysis. <i>Medical Physics</i> , 1989 , 16, 333-7	4.4	15
3	Prenatal treatment of type I congenital cystic adenomatoid malformation by intrauterine fetal thoracentesis. <i>Journal of Clinical Ultrasound</i> , 1989 , 17, 675-7	1	13

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| 2 | Characterization of transmitted motion in fetal lung: Quantitative analysis. <i>Medical Physics</i> , 1989 , 16, 333-337 | 4.4 | 1 |
| 1 | Circumference measurements in obstetrical ultrasound: ellipse vs. arithmetic mean. <i>Journal of Clinical Ultrasound</i> , 1988 , 16, 361-3 | 1 | 1 |