

# Jonathan M Rubin

## List of Publications by Citations

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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	Renal duplex doppler ultrasonography: A noninvasive predictor of kidney dysfunction and hepatorenal failure in liver disease. <i>Hepatology</i> , <b>1994</b> , 20, 362-369	11.2	110
54	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> , <b>2014</b> , 33, 2115-23	2.9	64
53	Sonographic elasticity imaging of acute and chronic deep venous thrombosis in humans. <i>Journal of Ultrasound in Medicine</i> , <b>2006</b> , 25, 1179-86	2.9	62
52	Determination of scan-plane motion using speckle decorrelation: Theoretical considerations and initial test. <i>International Journal of Imaging Systems and Technology</i> , <b>1997</b> , 8, 38-44	2.5	58
51	Clinical application of sonographic elasticity imaging for aging of deep venous thrombosis: preliminary findings. <i>Journal of Ultrasound in Medicine</i> , <b>2003</b> , 22, 443-8	2.9	39
50	Effect of furosemide and intravenous normal saline fluid load upon the renal resistive index in nonobstructed kidneys in children. <i>Journal of Urology</i> , <b>1994</b> , 151, 438-41	2.5	32
49	Volume flow measurement using Doppler and grey-scale decorrelation. <i>Ultrasound in Medicine and Biology</i> , <b>2001</b> , 27, 101-9	3.5	31
48	Measurement of volumetric flow. <i>Journal of Ultrasound in Medicine</i> , <b>2006</b> , 25, 1305-11	2.9	24
47	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> , <b>2015</b> , 34, 112-9	2.9	22
46	Transvaginal Ultrasound Shear Wave Elastography for the Evaluation of Benign Uterine Pathologies: A Prospective Pilot Study. <i>Journal of Ultrasound in Medicine</i> , <b>2019</b> , 38, 149-155	2.9	21
45	Speckle decorrelation flow measurement with B-mode US of contrast agent flow in a phantom and in rabbit kidney. <i>Radiology</i> , <b>1999</b> , 213, 429-37	20.5	21
44	Identifying intestinal fibrosis and inflammation by spectroscopic photoacoustic imaging: an animal study. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 1590-1600	3.5	19
43	Can Shear-Wave Elastography be Used to Discriminate Obstructive Hydronephrosis from Nonobstructive Hydronephrosis in Children?. <i>Radiology</i> , <b>2015</b> , 277, 259-67	20.5	16
42	Mean volume flow estimation in pulsatile flow conditions. <i>Ultrasound in Medicine and Biology</i> , <b>2009</b> , 35, 1880-91	3.5	15
41	Drs Bude and Rubin respond. <i>Radiology</i> , <b>1997</b> , 202, 284-285	20.5	15
40	Characterization of transmitted motion in fetal lung: quantitative analysis. <i>Medical Physics</i> , <b>1989</b> , 16, 333-7	4.4	15
39	Prenatal treatment of type I congenital cystic adenomatoid malformation by intrauterine fetal thoracentesis. <i>Journal of Clinical Ultrasound</i> , <b>1989</b> , 17, 675-7	1	13

38	Ultrasound strain zero-crossing elasticity measurement in assessment of renal allograft cortical hardness: a preliminary observation. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 2048-57	3.5	12
37	Speckle tracking as a method to measure hemidiaphragm excursion. <i>Muscle and Nerve</i> , <b>2017</b> , 55, 125-127	3.4	12
36	Volumetric blood flow in transjugular intrahepatic portosystemic shunt revision using 3-dimensional Doppler sonography. <i>Journal of Ultrasound in Medicine</i> , <b>2015</b> , 34, 257-66	2.9	11
35	Ultrasound strain elastography in assessment of resting biceps brachii muscle stiffness in patients with Parkinson's disease: a primary observation. <i>Clinical Imaging</i> , <b>2016</b> , 40, 440-4	2.7	11
34	Three-dimensional sonographic measurement of blood volume flow in the umbilical cord. <i>Journal of Ultrasound in Medicine</i> , <b>2012</b> , 31, 1927-34	2.9	11
33	Potential use of ultrasound speckle tracking for motion management during radiotherapy: preliminary report. <i>Journal of Ultrasound in Medicine</i> , <b>2012</b> , 31, 469-81	2.9	11
32	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> , <b>2018</b> , 65, 2233-2244	3.2	10
31	Three-dimensional US Fractional Moving Blood Volume: Validation of Renal Perfusion Quantification. <i>Radiology</i> , <b>2019</b> , 293, 460-468	20.5	10
30	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> , <b>2017</b> , 36, 523-530	2.9	9
29	Ultrasound Strain Imaging to Assess the Biceps Brachii Muscle in Chronic Poststroke Spasticity. <i>Journal of Ultrasound in Medicine</i> , <b>2018</b> , 37, 2043-2052	2.9	9
28	MRA contrast bolus timing with ultrasound bubbles. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 10, 389-94	5.6	9
27	Renal duplex doppler ultrasonography: A noninvasive predictor of kidney dysfunction and hepatorenal failure in liver disease <b>1994</b> , 20, 362		9
26	Comparison of Ultrasound Corticomedullary Strain with Doppler Parameters in Assessment of Renal Allograft Interstitial Fibrosis/Tubular Atrophy. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 2631-9	3.5	8
25	Patient preferences for chaperone use during transvaginal sonography. <i>Abdominal Radiology</i> , <b>2016</b> , 41, 324-33	3	8
24	Quantification of ultrasound correlation-based flow velocity mapping and edge velocity gradient measurement. <i>Journal of Ultrasound in Medicine</i> , <b>2013</b> , 32, 1815-30	2.9	8
23	Diagnosing cysts with correlation coefficient images from 2-dimensional freehand elastography. <i>Journal of Ultrasound in Medicine</i> , <b>2007</b> , 26, 1201-7	2.9	8
22	Ultrasound Strain Measurements for Evaluating Local Pulmonary Ventilation. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 2525-2531	3.5	8
21	Duplication images in vascular sonography. <i>Journal of Ultrasound in Medicine</i> , <b>2010</b> , 29, 1385-90	2.9	7

20	Neurotraumatology: ultrasonic evaluation of the central nervous system. <i>Neurological Research</i> , <b>1997</b> , 19, 317-22	2.7	6
19	Characterization of vascular strain during in-vitro angioplasty with high-resolution ultrasound speckle tracking. <i>Theoretical Biology and Medical Modelling</i> , <b>2010</b> , 7, 36	2.3	5
18	Evaluation of Umbilical Vein Blood Volume Flow in Preeclampsia by Angle-Independent 3D Sonography. <i>Journal of Ultrasound in Medicine</i> , <b>2018</b> , 37, 1633-1640	2.9	5
17	Strain-Photoacoustic Imaging as a Potential Tool for Characterizing Intestinal Fibrosis. <i>Gastroenterology</i> , <b>2019</b> , 157, 1196-1198	13.3	4
16	Characterization of a linear streak artifact with pulse inversion tissue harmonics in musculoskeletal sonography. <i>Journal of Ultrasound in Medicine</i> , <b>2004</b> , 23, 1597-605	2.9	4
15	Three-dimensional flow vectors from rf ultrasound signals <b>2002</b> ,		4
14	3D Elasticity imaging using principal stretches on an open-chest dog heart <b>2010</b> ,		3
13	Use of Angle-Independent M-Mode Sonography for Assessment of Diaphragm Displacement. <i>Journal of Ultrasound in Medicine</i> , <b>2017</b> , 36, 1285	2.9	2
12	Three-dimensional US for Quantification of Volumetric Blood Flow: Multisite Multisystem Results from within the Quantitative Imaging Biomarkers Alliance. <i>Radiology</i> , <b>2020</b> , 296, 662-670	20.5	2
11	Three dimensional elastic modulus reconstruction for non-invasive, quantitative monitoring of tissue scaffold mechanical property changes <b>2008</b> ,		2
10	Determination of scan-plane motion using speckle decorrelation: Theoretical considerations and initial test <b>1997</b> , 8, 38		2
9	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> , <b>2019</b> , 66, 1749-1759	3.2	1
8	Characterization of transmitted motion in fetal lung: Quantitative analysis. <i>Medical Physics</i> , <b>1989</b> , 16, 333-337	4.4	1
7	Circumference measurements in obstetrical ultrasound: ellipse vs. arithmetic mean. <i>Journal of Clinical Ultrasound</i> , <b>1988</b> , 16, 361-3	1	1
6	Comparison of Variations Between Spectral Doppler and Gaussian Surface Integration Methods for Umbilical Vein Blood Volume Flow. <i>Journal of Ultrasound in Medicine</i> , <b>2021</b> , 40, 369-376	2.9	1
5	Determination of scan-plane motion using speckle decorrelation: Theoretical considerations and initial test <b>1997</b> , 8, 38		1
4	Do microbubbles interact differently with leukocytes?. <i>Radiology</i> , <b>2004</b> , 230, 604-5	20.5	
3	Cardiovascular MR angiography. <i>International Journal of Cardiovascular Imaging</i> , <b>1999</b> , 15, 115-6		

- 2 On the use of three-dimensional Doppler acquisition for real-time volume flow estimation.. *Journal of the Acoustical Society of America*, **2010**, 128, 2303-2303 2.2
- 1 Normal axillary thickness thresholds as a metric for nutritional status of children. *Clinical Imaging*, **2019**, 54, 57-62 2.7