

Jeremy Bercoff

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

6,753
citations

567281

15
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

4340
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Vivo</i> Quantification of the Nonlinear Shear Modulus in Breast Lesions: Feasibility Study. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 101-109.	3.0	48
2	Muscle shear elastic modulus is linearly related to muscle torque over the entire range of isometric contraction intensity. Journal of Electromyography and Kinesiology, 2015, 25, 703-708.	1.7	118
3	In Vivo Evidence of Porcine Cornea Anisotropy Using Supersonic Shear Wave Imaging. , 2014, 55, 7545.		54
4	Monitoring of Cornea Elastic Properties Changes during UV-A/Riboflavin-Induced Corneal Collagen Cross-Linking using Supersonic Shear Wave Imaging: A Pilot Study. , 2012, 53, 5948.		57
5	On the effects of reflected waves in transient shear wave elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2032-2035.	3.0	176
6	Assessment of viscous and elastic properties of sub-wavelength layered soft tissues using shear wave spectroscopy: Theoretical framework and in vitro experimental validation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2305-2315.	3.0	69
7	Noninvasive In Vivo Liver Fibrosis Evaluation Using Supersonic Shear Imaging: A Clinical Study on 113 Hepatitis C Virus Patients. Ultrasound in Medicine and Biology, 2011, 37, 1361-1373.	1.5	382
8	Shear wave propagation in complex sub wavelength tissue geometries: Theoretical and experimental implications in the framework of cornea and skin shear wave imaging. , 2010, , .		1
9	Multiwave technology introducing shear wave elastography of the kidney: Pre-clinical study on a kidney fibrosis model and clinical feasibility study on 49 human renal transplants. , 2010, , .		8
10	Breast Lesions: Quantitative Elastography with Supersonic Shear Imaging—Preliminary Results. Radiology, 2010, 256, 297-303.	7.3	469
11	High-Resolution Quantitative Imaging of Cornea Elasticity Using Supersonic Shear Imaging. IEEE Transactions on Medical Imaging, 2009, 28, 1881-1893.	8.9	198
12	Coherent plane-wave compounding for very high frame rate ultrasonography and transient elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 489-506.	3.0	1,364
13	Quantitative Assessment of Breast Lesion Viscoelasticity: Initial Clinical Results Using Supersonic Shear Imaging. Ultrasound in Medicine and Biology, 2008, 34, 1373-1386.	1.5	654
14	Potential of MRI and Ultrasound Radiation Force in Elastography: Applications to Diagnosis and Therapy. Proceedings of the IEEE, 2008, 96, 490-499.	21.3	18
15	L'Élastographie par ultrasons ou rÉsonance magnétique: de nouveaux outils de diagnostic en cancérologie. Medecine Nucleaire, 2007, 31, 132-141.	0.2	2
16	Viscoelastic shear properties of in vivo breast lesions measured by MR elastography. Magnetic Resonance Imaging, 2005, 23, 159-165.	1.8	441
17	Sonic boom in soft materials: The elastic Cerenkov effect. Applied Physics Letters, 2004, 84, 2202-2204.	3.3	78
18	Supersonic shear imaging: a new technique for soft tissue elasticity mapping. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 396-409.	3.0	2,047

#	ARTICLE	IF	CITATIONS
19	The role of viscosity in the impulse diffraction field of elastic waves induced by the acoustic radiation force. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1523-1536.	3.0	215
20	Ultrafast compound imaging for 2-D motion vector estimation: application to transient elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 1363-1374.	3.0	354