

Jeremy Bercoff

List of Publications by Year in descending order

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20
papers

6,753
citations

567281

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h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

4340
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Breast Lesions: Quantitative Elastography with Supersonic Shear Imaging—Preliminary Results. Radiology, 2010, 256, 297-303.	7.3	469
5	Viscoelastic shear properties of in vivo breast lesions measured by MR elastography. Magnetic Resonance Imaging, 2005, 23, 159-165.	1.8	441
6	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
7	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
8	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
9	High-Resolution Quantitative Imaging of Cornea Elasticity Using Supersonic Shear Imaging. IEEE Transactions on Medical Imaging, 2009, 28, 1881-1893.	8.9	198
10	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
11	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
12	Sonic boom in soft materials: The elastic Cerenkov effect. Applied Physics Letters, 2004, 84, 2202-2204.	3.3	78
13	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
14	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
15	In Vivo Evidence of Porcine Cornea Anisotropy Using Supersonic Shear Wave Imaging. , 2014, 55, 7545.		54
16	<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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	L'Élastographie par ultrasons ou l'imagerie magnétique: de nouveaux outils de diagnostic en oncologie. Medecine Nucleaire, 2007, 31, 132-141.	0.2	2
20	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