Jean-Pierre Remenieras

List of Publications by Year
in descending order

68	717	516561 16	610775 24
papers	citations	h-index	g-index

69	69	69	619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploration of trabecular bone nonlinear elasticity using time-of-flight modulation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1497-1507.	1.7	60
2	Temporal analysis of tissue displacement induced by a transient ultrasound radiation force. Journal of the Acoustical Society of America, 2005, 118, 2829-2840.	0.5	50
3	Application of nonlinear phenomena induced by focused ultrasound to bone imaging. Ultrasound in Medicine and Biology, 2003, 29, 465-472.	0.7	47
4	Methodology for developing a high-precision ultrasound flow meter and fluid velocity profile reconstruction. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 161-172.	1.7	40
5	Ultrasound Measurements of Brain Tissue Pulsatility Correlate with the Volume of MRI White-Matter Hyperintensity. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 942-944.	2.4	30
6	High-frequency estimation of the ultrasonic attenuation coefficient slope obtained in human skin: simulation and in vivo results. Ultrasound in Medicine and Biology, 1999, 25, 421-429.	0.7	28
7	Brain Tissue Pulsatility is Increased in Midlife Depression: a Comparative Study Using Ultrasound Tissue Pulsatility Imaging. Neuropsychopharmacology, 2017, 42, 2575-2582.	2.8	26
8	Noncontact measurement of vibration using airborne ultrasound. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1998, 45, 626-633.	1.7	23
9	Harmonic propagation of finite amplitude sound beams: experimental determination of the nonlinearity parameter B/A. Ultrasonics, 2000, 38, 292-296.	2.1	23
10	High resolution processing techniques for ultrasound Doppler velocimetry in the presence of colored noise. II. Multiplephase pipe-flow velocity measurement. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 267-278.	1.7	23
11	Non-linear acoustic measurements to assess crack density in trabecular bone. International Journal of Non-Linear Mechanics, 2008, 43, 194-200.	1.4	23
12	Transient displacement induced in shear wave elastography: Comparison between analytical results and ultrasound measurements. Ultrasonics, 2006, 44, e221-e225.	2.1	22
13	Ultrasound Tissue Pulsatility Imaging Suggests Impairment in Global Brain Pulsatility and Small Vessels in Elderly Patients with Orthostatic Hypotension. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 246-251.	0.7	22
14	Ultrasound Brain Tissue Pulsatility is decreased in middle aged and elderly type 2 diabetic patients with depression. Psychiatry Research - Neuroimaging, 2011, 193, 63-64.	0.9	19
15	Presence of nonlinear interference effects as a source of low frequency excitation force in vibro-acoustography. Ultrasonics, 2002, 40, 873-878.	2.1	18
16	Influence of acousto-optic interactions on the determination of the diffracted field by an array obtained from displacement measurements. Ultrasonics, 2004, 42, 465-471.	2.1	18
17	Acousto-elasticity of transversely isotropic incompressible soft tissues: characterization of skeletal striated muscle. Physics in Medicine and Biology, 2021, 66, 145009.	1.6	18
18	Characterization of airborne transducers by optical tomography. Ultrasonics, 2000, 38, 787-793.	2.1	16

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19	Time-domain modeling of nonlinear distortion of pulsed finite amplitude sound beams. Ultrasonics, 2000, 38, 305-311.	2.1	16
20	Ultrasonic sensing of vibrations. Ultrasonics, 1998, 36, 391-396.	2.1	15
21	Measurement of shear wave speed dispersion in the placenta by transient elastography: A preliminary ex vivo study. PLoS ONE, 2018, 13, e0194309.	1.1	13
22	Transit time ultrasonic flowmeter : velocity profile estimation. , 0, , .		12
23	Brain tissue pulsatility mediates cognitive and electrophysiological changes in normal aging: Evidence from ultrasound tissue pulsatility imaging (TPI). Brain and Cognition, 2018, 123, 74-80.	0.8	11
24	Ultrasound Measures of Brain Pulsatility Correlate with Subcortical Brain Volumes in Healthy Young Adults. Ultrasound in Medicine and Biology, 2018, 44, 2307-2313.	0.7	11
25	Joint Blind Deconvolution and Robust Principal Component Analysis for Blood Flow Estimation in Medical Ultrasound Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 969-978.	1.7	11
26	Biomechanical characterization of ex vivo human brain using ultrasound shear wave spectroscopy. Ultrasonics, 2018, 84, 119-125.	2.1	10
27	When classical music relaxes the brain: An experimental study using Ultrasound Brain Tissue Pulsatility Imaging. International Journal of Psychophysiology, 2020, 150, 29-36.	0.5	10
28	Non contact measurement of vibration using airborne ultrasound. , 0, , .		8
29	Simulation of shear wave propagation in a soft medium using a pseudospectral time domain method. Journal of the Acoustical Society of America, 2009, 126, 2108.	0.5	8
30	Ultrasonic elastography exploration of the foetal brain: A case of atypical choroid plexus papilloma. Journal of Obstetrics and Gynaecology, 2017, 37, 525-527.	0.4	7
31	Low frequency cMUT technology: Application to measurement of brain movement and assessment of bone quality. Irbm, 2013, 34, 159-166.	3.7	6
32	A systematic review of ultrasound imaging and therapy in mental disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 101, 109919.	2.5	6
33	A Case of Sustained Antidepressant Effects and Large Changes in the Brain With a Single Brief Exposure to Nitrous Oxide. American Journal of Geriatric Psychiatry, 2021, 29, 1298-1300.	0.6	6
34	Diffuse shear wave spectroscopy for soft tissue viscoelastic characterization. Ultrasonics, 2021, 110, 106239.	2.1	6
35	Non intrusive measurements of the acoustic pressure and velocity fluctuations of fluids flowing in pipes. , 1994, , .		5
36	Analysis of Index Modulation of Doppler Microembolic Signals Part II: In Vitro Discrimination. Ultrasound in Medicine and Biology, 2011, 37, 102-111.	0.7	5

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37	Decrease in ultrasound Brain Tissue Pulsations as a potential surrogate marker of response to antidepressant. Journal of Psychiatric Research, 2022, 146, 186-191.	1.5	5
38	Acoustic pressure measurement by acousto-optic tomography. , 0, , .		4
39	Shear wave velocity dispersion analysis in placenta using 2-D transient elastography. Journal of Applied Physics, 2018, 123, 234902.	1.1	4
40	Multiphase pipe flow velocity profile measurements by Doppler ultrasound containing a high level of colored noise. , 0, , .		3
41	Potential of a high-frequency correlation method to study skin blood flow. Skin Research and Technology, 2000, 6, 21-26.	0.8	3
42	Shear wave elastography: modeling of the shear wave propagation in heterogeneous tissue by pseudospectral method. , 0, , .		3
43	A Simple Calculation Approach for the Parametric Sound Field Generated by a Focused Annular Array: Application to Vibroacoustography. , 2002, , 145-150.		3
44	Effect of the compensation in abrupt model change detection problem. , 0, , .		2
45	Nonlinear interactions of sound fields generated by a focused annular array: application to vibro-acoustography. , 0, , .		2
46	Application of vibro-acoustography to bone elasticity imaging. , 0, , .		2
47	Generating Shear Waves in the Human Brain for Ultrasound Elastography: A new Approach. Physics Procedia, 2015, 70, 1255-1259.	1.2	2
48	Vibrationâ€controlled transient elastography for noninvasive evaluation of liver steatosis. Medical Physics, 2022, , .	1.6	2
49	Ultrasonic tissue characterization for the backscattering estimation of the attenuation coefficient at high frequencies: 20-100 MHz. , 0, , .		1
50	RF lines realignment and stationary echo canceling for microcirculation study: experimental results. , 0, , .		1
51	Estimation of the correlation amplitude of RF signals in small cutaneous vessels. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2000, 47, 1455-1462.	1.7	1
52	Assessment of the elastic properties of heterogeneous tissues using transient elastography: Application to the liver. , 2008, , .		1
53	Elderly depression diagnostic of diabetic patients by brain tissue pulsatility imaging. Physics Procedia, 2010, 3, 713-718.	1.2	1
54	Correlation between Leukoaraiosis and natural brain tissue velocity: A pilot study using Ultrasound and MRI. , 2012, , .		1

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55	Development of ultrasensitive Doppler imaging method for the surgical management of open-brain tumors. , 2019, , .		1
56	Left amygdala volume and brain tissue pulsatility are associated with neuroticism: an MRI and ultrasound study. Brain Imaging and Behavior, 2020, 15, 1499-1507.	1.1	1
57	Natural shear wave imaging using vocal tract vibrations: Introducing vocal passive elastography (V-PE) to thyroid elasticity mapping. Applied Physics Letters, 2021, 118, .	1.5	1
58	Fast High Resolution Blood Flow Estimation and Clutter Rejection Via an Alternating Optimization Problem. , 2021, , .		1
59	Time-domain nonlinear distortion of pulsed finite-amplitude sound beam: calculation and experiments. , 0, , .		0
60	<title>Vibroacoustography imaging with a focused annular array</title>. , 2001, , .		0
61	Optical observation of shear waves excited by focused ultrasound in a tissue-mimicking phantom. , 0, , .		0
62	P2E-5 A New Numerical Approach to Simulate Shear Waves Generated by a Localized Radiation Force in Heterogeneous Media. , 2006, , .		0
63	Shear wave elasticity measurements from natural pulsatility of human carotid artery: A preliminary ex vivo study. , 2013, , .		0
64	Assessment of Liver Viscoelasticity for the Diagnosis of Early Stage Fatty Liver Disease Using Transient Elastography. Physics Procedia, 2015, 70, 1246-1249.	1.2	0
65	An acoustical generator to induce low amplitude shear waves in the human brain. , 2015, , .		0
66	Ex vivo measurement of shear wave speed dispersion in placenta using transient elastography. , 2015, , .		0
67	New inverse problem for viscoelastic characterization of fatty liver using vibration controlled transient elastography. , 2015, , .		0
68	Motion compensation for the estimation of high-resolution blood flow in ultrafast ultrasound imaging. , 2022, , .		0