

Andrei R Skovoroda

List of Publications by Year in descending order

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23
papers

2,151
citations

516710

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794594

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all docs

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docs citations

23
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal displacement and strain imaging using ultrasonic speckle tracking. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1994, 41, 314-325.	3.0	620
2	Tissue elasticity reconstruction based on ultrasonic displacement and strain images. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1995, 42, 747-765.	3.0	233
3	Biophysical Bases of Elasticity Imaging. Acoustical Imaging, 1995, , 223-240.	0.2	217
4	Strain rate imaging using two-dimensional speckle tracking. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 1111-1123.	3.0	191
5	Elasticity reconstructive imaging by means of stimulated echo MRI. Magnetic Resonance in Medicine, 1998, 39, 482-490.	3.0	144
6	Theoretical analysis and verification of ultrasound displacement and strain imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1994, 41, 302-313.	3.0	137
7	Measuring the Elastic Modulus of Small Tissue Samples. Ultrasonic Imaging, 1998, 20, 17-28.	2.6	105
8	Magnetic-resonance imaging techniques for detection of elasticity variation. Medical Physics, 1995, 22, 1771-1778.	3.0	82
9	Three-dimensional static displacement, stimulated echo NMR elasticity imaging. Physics in Medicine and Biology, 2000, 45, 1633-1648.	3.0	80
10	Elasticity imaging for early detection of renal pathology. Ultrasound in Medicine and Biology, 1995, 21, 871-883.	1.5	76
11	Reconstructive elasticity imaging for large deformations. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1999, 46, 523-535.	3.0	74
12	Reconstructive Ultrasound Elasticity Imaging for Renal Transplant Diagnosis: KidneyEx VivoResults. Ultrasonic Imaging, 2000, 22, 178-194.	2.6	35
13	Model-based reconstructive elasticity imaging of deep venous thrombosis. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 521-531.	3.0	35
14	Measuring the nonlinear elastic properties of tissue-like phantoms. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 410-419.	3.0	27
15	Model-Based Reconstructive Elasticity Imaging Using Ultrasound. International Journal of Biomedical Imaging, 2007, 2007, 1-11.	3.9	25
16	Reconstructive Elasticity Imaging. Acoustical Imaging, 1995, , 241-252.	0.2	23
17	Utilization of Surface Acoustic Waves and Shear Acoustic Properties for Imaging and Tissue Characterization. Acoustical Imaging, 1992, , 463-467.	0.2	13
18	Exploiting strain-hardening of tissue to increase contrast in elasticity imaging. , 0, , .		12

#	ARTICLE	IF	CITATIONS
19	An integrated compliant balloon ultrasound catheter for intravascular strain imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 1552-1560.	3.0	11
20	Model-based reconstructive elasticity imaging of deep venous thrombosis. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 521-31.	3.0	9
21	Strain imaging of vascular pathologies using a compliant balloon catheter. , 0, , .		2
22	Dynamic deflection of stiffly plastic restrained circular plates with the effects of shear and rotational inertia taken into account. Journal of Applied Mechanics and Technical Physics, 1978, 19, 239-246.	0.5	0
23	Dynamics of plastic composite structures. Mechanics of Composite Materials, 1981, 16, 577-581.	1.4	0