

Wilkins Aquino

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

170
citations

1163117

8
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning for Urodynamic Detection of Detrusor Overactivity. <i>Urology</i> , 2022, 159, 247-254.	1.0	14
2	Plane wave elastography: a frequency-domain ultrasound shear wave elastography approach. <i>Physics in Medicine and Biology</i> , 2021, 66, 125017.	3.0	4
3	Toward improved accuracy in shear wave elastography of arteries through controlling the arterial response to ultrasound perturbation in-silico and in phantoms. <i>Physics in Medicine and Biology</i> , 2021, 66, 235008.	3.0	3
4	Sensor Planning for Model-Based Acoustic Source Identification. , 2020, , .		4
5	A Generalized Stress Inversion Approach With Application to Residual Stress Estimation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020, 87, .	2.2	3
6	Analysis of the Error in Constitutive Equation Approach for Time-Harmonic Elasticity Imaging. <i>SIAM Journal on Applied Mathematics</i> , 2019, 79, 822-849.	1.8	10
7	Model-Based Active Source Identification in Complex Environments. <i>IEEE Transactions on Robotics</i> , 2019, 35, 633-652.	10.3	21
8	Design of continuously graded elastic acoustic cloaks. <i>Journal of the Acoustical Society of America</i> , 2018, 143, EL31-EL36.	1.1	7
9	Physics-Based Acoustic Source Identification. , 2018, , .		1
10	Distributed Reduced Order Source Identification. , 2018, , .		7
11	Modified error in constitutive equations (MECE) approach for ultrasound elastography. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 2084-2093.	1.1	9
12	Nitsche's method for Helmholtz problems with embedded interfaces. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 110, 618-636.	2.8	11
13	Stochastic model-based source identification. , 2017, , .		3
14	Notice of Removal: Measurement of carotid artery viscoelasticity in young and older individuals using acoustic radiation force-induced waves and Fourier analysis. , 2017, , .		0
15	Measured wave dispersion in tubes excited with acoustic radiation force matches theoretical guided wave dispersion. , 2016, , .		1
16	A modified error in constitutive equation approach for frequency-domain viscoelasticity imaging using interior data. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 296, 129-149.	6.6	19
17	Stochastic reduced order models for inverse problems under uncertainty. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 285, 488-514.	6.6	28
18	Inverse material identification in coupled acoustic-structure interaction using a modified error in constitutive equation functional. <i>Computational Mechanics</i> , 2014, 54, 645-659.	4.0	24

#	ARTICLE	IF	CITATIONS
19	An Adaptive Eigenfunction Basis Strategy to Reduce Design Dimension in Topology Optimization. International Journal for Numerical Methods in Engineering, 0, , .	2.8	1