Wilkins Aquino

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9674212/publications.pdf

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19	170	1163117 8	1199594 12
papers	citations	h-index	g-index

19	19	19	150
all docs	docs citations	times ranked	citing authors

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

#	Article	IF	Citations
19	Notice of Removal: Measurement of carotid artery viscoelasticity in young and older individuals using acoustic radiation force-induced waves and Fourier analysis. , 2017, , .		0