

Hongmei Zhang

List of Publications by Year in descending order

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20
papers

226
citations

1307594

7
h-index

1058476

14
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22
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docs citations

22
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Activated Bioprobes with High Photothermal Conversion Efficiency for Sensitive Photoacoustic/Ultrasound Imaging and Photothermal Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29251-29259.	8.0	43
2	A Novel Carbon Support: Few-Layered Graphdiyne-Decorated Carbon Nanotubes Capture Metal Clusters as Effective Metal-Supported Catalysts. <i>Small</i> , 2021, 17, e2006442.	10.0	32
3	Modeling ramp-hold indentation measurements based on Kelvin-Voigt fractional derivative model. <i>Measurement Science and Technology</i> , 2018, 29, 035701.	2.6	25
4	Ramp-hold relaxation solutions for the KVFD model applied to soft viscoelastic media. <i>Measurement Science and Technology</i> , 2016, 27, 025702.	2.6	22
5	Non-invasive Vascular Radial/Circumferential Strain Imaging and Wall Shear Rate Estimation Using Video Images of Diagnostic Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 622-636.	1.5	19
6	Fluidity and elasticity form a concise set of viscoelastic biomarkers for breast cancer diagnosis based on Kelvin-Voigt fractional derivative modeling. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 2163-2177.	2.8	16
7	Carotid Intraplaque Neovascularization Predicts Ischemic Stroke Recurrence in Patients with Carotid Atherosclerosis. <i>Gerontology</i> , 2021, 67, 144-151.	2.8	15
8	An efficient multiscale approach to level set evolution. , 0, , .		8
9	Aspirin ameliorates the cognition impairment in mice following benzo[a]pyrene treatment via down-regulating BDNF IV methylation. <i>NeuroToxicology</i> , 2022, 89, 20-30.	3.0	8
10	Sensitive detection of dopamine with ultrasound cavitation-enhanced fluorescence method. <i>Microchemical Journal</i> , 2019, 150, 104199.	4.5	7
11	Fast Von Mises strain imaging on ultrasound carotid vessel wall by flow driven diffusion method. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 669-686.	1.3	6
12	Von Mises Strain as a Risk Marker for Vulnerability of Carotid Plaque: Preliminary Clinical Evaluation of Cerebral Infarction. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1221-1233.	1.5	6
13	Assessing composition and structure of soft biphasic media from Kelvin-Voigt fractional derivative model parameters. <i>Measurement Science and Technology</i> , 2017, 28, 035703.	2.6	5
14	Super-Resolution Reconstruction of Deformable Tissue from Temporal Sequence of Ultrasound Images. , 2010, , .		3
15	Transcranial Ultrasound Estimation of Viscoelasticity and Fluidity of the Soft Matter. <i>Physical Review Applied</i> , 2022, 17, .	3.8	3
16	A novel multiresolution fuzzy segmentation method on MR image. <i>Journal of Computer Science and Technology</i> , 2003, 18, 659-666.	1.5	2
17	Non-Invasive Von Mises Strain Imaging for Longitudinal Artery Wall. <i>Journal of Medical Imaging and Health Informatics</i> , 2016, 6, 906-915.	0.3	2
18	Statistical and Texture Descriptors of Symptomatic Plantar Fasciitis Using Ultrasound Shear Wave Elastography. <i>IEEE Access</i> , 2020, 8, 120146-120159.	4.2	1

#	ARTICLE	IF	CITATIONS
19	Detection of thin structure defects in radiographic images using an improved Gabor filter. Insight: Non-Destructive Testing and Condition Monitoring, 2017, 59, 531-536.	0.6	1
20	Volume estimation in a sequence of freehand ultrasound images. Measurement Science and Technology, 2006, 17, 2927-2937.	2.6	0