Xuanrong Ji

List of Publications by Year in descending order

21 papers	794 citations	687363 13 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	880 citing authors

#	Article	IF	Citations
1	Fabrication of complex-shaped zirconia ceramic parts via a DLP- stereolithography-based 3D printing method. Ceramics International, 2018, 44, 3412-3416.	4.8	235
2	Characterization of Lipid-Rich AorticÂPlaques by Intravascular Photoacoustic Tomography. Journal of the American College of Cardiology, 2014, 64, 385-390.	2.8	115
3	Research into the mechanical properties, sintering mechanism and microstructure evolution of Al2O3-ZrO2 composites fabricated by a stereolithography-based 3D printing method. Materials Chemistry and Physics, 2018, 207, 1-10.	4.0	81
4	PZT ceramics fabricated based on stereolithography for an ultrasound transducer array application. Ceramics International, 2018, 44, 22725-22730.	4.8	78
5	3D-visual laser-diode-based photoacoustic imaging. Optics Express, 2012, 20, 1237.	3.4	49
6	Intravascular confocal photoacoustic endoscope with dual-element ultrasonic transducer. Optics Express, 2015, 23, 9130.	3.4	49
7	X-ray induced acoustic computed tomography. Photoacoustics, 2020, 19, 100177.	7.8	33
8	Preparation of alumina-toughened zirconia via 3D printing and liquid precursor infiltration: manipulation of the microstructure, the mechanical properties and the low temperature aging behavior. Journal of Materials Science, 2019, 54, 7447-7459.	3.7	23
9	PIN-PMN-PT Single-Crystal-Based 1â€“3 Piezoelectric Composites for Ultrasonic Transducer Applications. Journal of Electronic Materials, 2013, 42, 2564-2569.	2.2	16
10	High-resolution air-coupled laser ultrasound imaging of microstructure and defects in braided CFRP. Composites Communications, 2021, 28, 100915.	6.3	16
11	Fullâ€field 3D photoacoustic imaging based on plane transducer array and spatial phaseâ€controlled algorithm. Medical Physics, 2011, 38, 1561-1566.	3.0	15
12	Fabrication of high-performance Al2O3-ZrO2 composite by a novel approach that integrates stereolithography-based 3D printing and liquid precursor infiltration. Materials Chemistry and Physics, 2018, 209, 31-37.	4.0	15
13	Noncontact photoacoustic angiography with an air-coupled ultrasonic transducer for evaluation of burn injury. Applied Physics Letters, 2019, 114, .	3.3	14
14	Centimeter-scale wide-field-of-view laser-scanning photoacoustic microscopy for subcutaneous microvasculature in vivo. Biomedical Optics Express, 2021, 12, 2996.	2.9	12
15	X-Ray-Induced Acoustic Computed Tomography (XACT): Initial Experiment on Bone Sample. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1073-1080.	3.0	11
16	Multitarget Transcranial Ultrasound Therapy in Small Animals Based on Phase-Only Acoustic Holographic Lens. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 662-671.	3.0	10
17	A Spatial Multitarget Ultrasound Neuromodulation System Using High-Powered 2-D Array Transducer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 998-1007.	3.0	8
18	Noninvasive photoacoustic detecting intraocular foreign bodies with an annular transducer array. Optics Express, 2013, 21, 984.	3.4	5

#	Article	IF	Citations
19	Quantitative Inspection of Complex-Shaped Parts Based on Ice-Coupled Ultrasonic Full Waveform Inversion Technology. Applied Sciences (Switzerland), 2021, 11, 4433.	2.5	4
20	Numerical Study on Surface Roughness Measurement Based on Nonlinear Ultrasonics in Through-Transmission and Pulse-Echo Modes. Materials, 2021, 14, 4855.	2.9	4
21	Ultra-compact micro-photoacoustic tomography for brain imaging in vivo. Applied Physics Letters, 2021, 119, .	3.3	1