Jingcheng Zhou

List of Publications by Year
in descending order

35	516	687363 13	713466 21
papers	citations	h-index	g-index

35	35	35	324
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoacoustic imaging with fiber optic technology: A review. Photoacoustics, 2020, 20, 100211.	7.8	57
2	A Chargeâ€Switchable Zwitterionic Peptide for Rapid Detection of SARSâ€CoVâ€2 Main Protease. Angewandte Chemie - International Edition, 2022, 61, .	13.8	54
3	Fiber optic ultrasound transmitters and their applications. Measurement: Journal of the International Measurement Confederation, 2016, 79, 164-171.	5.0	41
4	A new pitch-range based feature set for a speakerâ€™s age and gender classification. Applied Acoustics, 2015, 98, 52-61.	3.3	39
5	Highly Sensitive Miniature All-Silica Fiber Tip Fabryâ€“Perot Pressure Sensor. IEEE Photonics Technology Letters, 2019, 31, 689-692.	2.5	39
6	Fiber Optic Sensors Based on Photoacoustic Effect for Rebar Corrosion Measurement. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4559-4565.	4.7	23
7	Pipeline structural health monitoring using distributed fiber optic sensing textile. Optical Fiber Technology, 2022, 70, 102876.	2.7	22
8	One-Step Supramolecular Multifunctional Coating on Plant Virus Nanoparticles for Bioimaging and Therapeutic Applications. ACS Applied Materials & Interfaces, 2022, 14, 13692-13702.	8.0	21
9	Ultrasmall gold nanorod-polydopamine hybrids for enhanced photoacoustic imaging and photothermal therapy in second near-infrared window. Nanotheranostics, 2022, 6, 79-90.	5.2	19
10	Enhanced Photoacoustic Detection of Heparin in Whole Blood via Melanin Nanocapsules Carrying Molecular Agents. ACS Nano, 2022, 16, 683-693.	14.6	19
11	All-Optical Photoacoustic Sensors for Steel Rebar Corrosion Monitoring. Sensors, 2018, 18, 1353.	3.8	18
12	Mapping Aerosolized Saliva on Face Coverings for Biosensing Applications. Analytical Chemistry, 2021, 93, 11025-11032.	6.5	18
13	The Application of Organic Nanomaterials for Bioimaging, Drug Delivery, and Therapy: Spanning Various Domains. IEEE Nanotechnology Magazine, 2021, 15, 8-28.	1.3	16
14	Versatile Polymer Nanocapsules via Redox Competition. Angewandte Chemie - International Edition, 2021, 60, 26357-26362.	13.8	15
15	Validation of an ultrasound transducer's generation and receiving function on one single-mode fiber. Optics and Lasers in Engineering, 2020, 127, 105962.	3.8	13
16	A Fiber Optic Ultrasonic Sensing System for High Temperature Monitoring Using Optically Generated Ultrasonic Waves. Sensors, 2019, 19, 404.	3.8	12
17	Optical Fiber Ultrasound Probe for Radiofrequency Ablation Temperature Monitoring: In-Vitro Results. IEEE Photonics Technology Letters, 2020, 32, 689-692.	2.5	10
18	The in vivo fate of tobacco mosaic virus nanoparticle theranostic agents modified by the addition of a polydopamine coat. Biomaterials Science, 2021, 9, 7134-7150.	5.4	10

#	Article	IF	Citations
19	Ultrasound beam steering using a fiber optic ultrasound phased array. Optics Letters, 2019, 44, 5390.	3.3	10
20	A fiber optic photoacoustic sensor for real-time heparin monitoring. Biosensors and Bioelectronics, 2022, 196, 113692.	10.1	9
21	The enhancement of the photoacoustic generation efficiency based on fiber optic ultrasound phased array. Measurement: Journal of the International Measurement Confederation, 2019, 146, 668-674.	5.0	8
22	Ultrasound generation from an optical fiber sidewall. Proceedings of SPIE, 2016, , .	0.8	7
23	A Fiber Optic Acoustic Pyrometer for Temperature Monitoring in an Exhaust Pipe of a Boiler. IEEE Photonics Technology Letters, 2019, 31, 1580-1583.	2.5	6
24	Ultrasound generation from side wall of optical fibers. , 2017, , .		5
25	Miniature All-Optical Angle-Focused Photoacoustic Transducer. IEEE Photonics Technology Letters, 2020, 32, 27-30.	2.5	5
26	Water temperature measurement using a novel fiber optic ultrasound transducer system. , 2015, , .		4
27	Versatile Polymer Nanocapsules via Redox Competition. Angewandte Chemie, 0, , .	2.0	4
28	3D reconstruction of temperature field using Gaussian Radial Basis Functions (GRBF). , 2015, , .		3
29	Ultrasonic temperature measurements with fiber optic system. Proceedings of SPIE, 2016, , .	0.8	3
30	High temperature monitoring using a novel fiber optic ultrasonic sensing system. , 2018, , .		3
31	Ultrasonic transmission from fiber optic generators on steel plate. Proceedings of SPIE, 2016, , .	0.8	1
32	Characterization of ultrasonic generation from a fiber-optic sidewall. , 2018, , .		1
33	A Chargeâ€Switchable Zwitterionic Peptide for Rapid Detection of SARSâ€CoVâ€2 Main Protease. Angewandte Chemie, 2022, 134, .	2.0	1
34	Highly Sensitive Fiber Optic Pressure Sensor Based on Silica Diaphragm Fabricated by MEMS. , 2019, , .		0
35	A fiber optic ultrasonic sensing system for 2D temperature field monitoring using optically generated acoustic waves. , 2019, , .		0