

Stephanie Hui Kit Yap

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

418
citations

1039406

9
h-index

1199166

12
g-index

15
all docs

15
docs citations

15
times ranked

669
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogreen Synthesis of Carbon Dots for Biotechnology and Nanomedicine Applications. Nano-Micro Letters, 2018, 10, 72.	14.4	133
2	Detection of low-concentration heavy metal ions using optical microfiber sensor. Sensors and Actuators B: Chemical, 2016, 237, 142-149.	4.0	59
3	Carbon Dot-functionalized Interferometric Optical Fiber Sensor for Detection of Ferric Ions in Biological Samples. ACS Applied Materials & Interfaces, 2019, 11, 28546-28553.	4.0	59
4	An Advanced Hand-Held Microfiber-Based Sensor for Ultrasensitive Lead Ion Detection. ACS Sensors, 2018, 3, 2506-2512.	4.0	51
5	NIR-responsive nanomaterials and their applications; upconversion nanoparticles and carbon dots: a perspective. Journal of Chemical Technology and Biotechnology, 2018, 93, 1519-1528.	1.6	37
6	Carbon Allotrope-Based Optical Fibers for Environmental and Biological Sensing: A Review. Sensors, 2020, 20, 2046.	2.1	21
7	Functionalized Fiber End Superstructure Fiber Bragg Grating Refractive Index Sensor for Heavy Metal Ion Detection. Sensors, 2018, 18, 1821.	2.1	18
8	Water-stable Perovskite Quantum Dots-based FRET Nanosensor for the Detection of Rhodamine 6G in Water, Food, and Biological Samples. Microchemical Journal, 2022, 180, 107624.	2.3	13
9	Two-Dimensional MoS ₂ Nanosheet-Functionalized Optical Microfiber for Room-Temperature Volatile Organic Compound Detection. ACS Applied Nano Materials, 2021, 4, 13440-13449.	2.4	10
10	Investigation of a Bragg Grating-Based Fabry-Pérot Structure Inscribed Using Femtosecond Laser Micromachining in an Adiabatic Fiber Taper. Applied Sciences (Switzerland), 2020, 10, 1069.	1.3	9
11	Solid State Carbon Dots-Based Sensor Using Optical Microfiber for Ferric Ion Detection. , 2019, , .		3
12	A First Study of the Kinetics of Metal Ion Adsorption at Solid/Liquid Interface using Evanescent Wave-based Optical Microfiber. IEEE Sensors Journal, 2020, , 1-1.	2.4	2
13	Engineered Nucleotide Chemically Capacitive Microsensor Array Augmented with Physics-Guided Machine Learning for High-Throughput Screening of Cannabidiol. Small, 2022, 18, e2107659.	5.2	2
14	Factors Influencing Metal Binding Efficiency at Solid/Liquid Interface: An Investigation for the Prediction of Heavy Metal Ion Sensing Performance. , 2019, , .		1
15	Fiber gratings enabled interrogation of Mach-Zehnder interferometer tapered fiber sensor. , 2017, , .		0