Jin Wang

List of Publications by Year
in descending order

24	231	1163117 8	996975 15
papers	citations	h-index	g-index

24	24	24	255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Selective Rational Design of Peptide-Based Surface Plasmon Resonance Sensor for Direct Determination of 2,4,6-trinitrotoluene (TNT) Explosive. Sensors and Actuators B: Chemical, 2018, 264, 279-284.	7.8	41
2	Array-Based Rational Design of Short Peptide Probe-Derived from an Anti-TNT Monoclonal Antibody. ACS Combinatorial Science, 2017, 19, 625-632.	3.8	29
3	Coulometric microdevice for organophosphate pesticide detection. Sensors and Actuators B: Chemical, 2014, 204, 297-301.	7.8	24
4	A micro IrO potentiometric sensor for direct determination of organophosphate pesticides. Sensors and Actuators B: Chemical, 2015, 220, 859-863.	7.8	24
5	Near infrared optical biosensor based on peptide functionalized single-walled carbon nanotubes hybrids for 2,4,6-trinitrotoluene (TNT) explosive detection. Analytical Biochemistry, 2018, 550, 49-53.	2.4	21
6	An SPR Sensor Chip Based on Peptide-Modified Single-Walled Carbon Nanotubes with Enhanced Sensitivity and Selectivity in the Detection of 2,4,6-Trinitrotoluene Explosives. Sensors, 2018, 18, 4461.	3.8	18
7	Rational Design of Peptide-Functionalized Surface Plasmon Resonance Sensor for Specific Detection of TNT Explosive. Sensors, 2017, 17, 2249.	3.8	12
8	Design and validation of microfluidic parameters of a microfluidic chip using fluid dynamics. AIP Advances, 2021, 11, .	1.3	9
9	Microfluidic Device for Coulometric Detection of Organophosphate Pesticides. Analytical Sciences, 2015, 31, 591-595.	1.6	8
10	Terahertz imaging technique for monitoring the flow of buffer solutions at different pH values through a microfluidic chip. Japanese Journal of Applied Physics, 2021, 60, 027003.	1.5	7
11	Detection of Lung Cancer Cells in Solutions Using a Terahertz Chemical Microscope. Sensors, 2021, 21, 7631.	3.8	7
12	A Simple, Rapid and Low-cost 3-Aminopropyltriethoxysilane (APTES)-based Surface Plasmon Resonance Sensor for TNT Explosive Detection. Analytical Sciences, 2021, 37, 1029-1032.	1.6	5
13	Rational Design of Peptides Derived from Odorant-Binding Proteins for SARS-CoV-2-Related Volatile Organic Compounds Recognition. Molecules, 2022, 27, 3917.	3.8	5
14	A Versatile Terahertz Chemical Microscope and Its Application for the Detection of Histamine. Photonics, 2022, 9, 26.	2.0	4
15	Crack Detection for Welded Joint With Surface Coating Using Unsaturated AC Magnetic Flux Leakage. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	4
16	Development of impedance measurement of lithium ion batteries electrode using terahertz chemical microscope. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2021, 214, e23355.	0.4	3
17	Quartz Crystal Microbalance Sensor Based on Peptide Anchored Single-Walled Carbon Nanotubes for Highly Selective TNT Explosive Detection. , 2020, , .		3
18	Development of Impedance Measurement of Lithium Ion Batteries Electrode using Terahertz Chemical Microscope. IEEJ Transactions on Sensors and Micromachines, 2021, 141, 273-278.	0.1	2

#	Article	IF	Citations
19	Development of two-dimensional qualitative visualization method for isoflavones secreted from soybean roots using sheets with immobilized bovine serum albumin. Biosensors and Bioelectronics, 2022, 196, 113705.	10.1	2
20	Visualization of Charge-Transfer Complex for the Detection of 2,4,6-Trinitrotoluene Using Terahertz Chemical Microscope. Journal of the Electrochemical Society, 2021, 168, 117517.	2.9	2
21	Peptide-modified Microelectrode-based Potentiometric Device for 2,4,6-trinitrotoluene Molecule Detection. Sensors and Materials, 2019, 31, 2609.	0.5	1
22	Investigation of Cross-Section Measurement Method for All-Solid-State Batteries Using Terahertz Chemical Microscopy. , 2021, , .		0
23	Development of Ion Concentration Measurement Method for Minute Volume of Blood Using Terahertz Chemical Microscope. , 2021, , .		0
24	Evaluation of Cosmetic Liquid Penetration Using Terahertz Time-of-Flight Method. , 2021, , .		0