

Jianmin Wu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,392
citations

331670

21
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

1855
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan Hydrogel-Capped Porous SiO ₂ as a pH Responsive Nano-Valve for Triggered Release of Insulin. <i>Advanced Functional Materials</i> , 2009, 19, 733-741.	14.9	167
2	Ratiometric Fluorescent Nanohybrid for Noninvasive and Visual Monitoring of Sweat Glucose. <i>ACS Sensors</i> , 2020, 5, 2096-2105.	7.8	108
3	Image-Contrast Technology Based on the Electrochemiluminescence of Porous Silicon and Its Application in Fingerprint Visualization. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9822-9826.	13.8	77
4	Low Power Consumption Gas Sensor Created from Silicon Nanowires/TiO ₂ Core-Shell Heterojunctions. <i>ACS Sensors</i> , 2017, 2, 1491-1497.	7.8	72
5	Surface plasmon resonance sensor for antibiotics detection based on photo-initiated polymerization molecularly imprinted array. <i>Talanta</i> , 2016, 161, 797-803.	5.5	66
6	Constructing an E-Nose Using Metal-Ion-Induced Assembly of Graphene Oxide for Diagnosis of Lung Cancer via Exhaled Breath. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17713-17724.	8.0	66
7	Drug-Porous Silicon Dual Luminescent System for Monitoring and Inhibition of Wound Infection. <i>ACS Nano</i> , 2017, 11, 7938-7949.	14.6	62
8	Trypsin immobilization by direct adsorption on metal ion chelated macroporous chitosan-silica gel beads. <i>International Journal of Biological Macromolecules</i> , 2006, 39, 185-191.	7.5	59
9	2D Hybrid Nanomaterials for Selective Detection of NO ₂ and SO ₂ Using "Light On and Off" Strategy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37191-37200.	8.0	52
10	Synergistic and On-Demand Release of Ag-AMPs Loaded on Porous Silicon Nanocarriers for Antibacteria and Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16127-16141.	8.0	51
11	Visible paper chip immunoassay for rapid determination of bacteria in water distribution system. <i>Talanta</i> , 2014, 120, 135-140.	5.5	50
12	Graphene quantum dot-decorated luminescent porous silicon dressing for theranostics of diabetic wounds. <i>Acta Biomaterialia</i> , 2021, 131, 544-554.	8.3	49
13	Bacteria detection based on its blockage effect on silicon nanopore array. <i>Biosensors and Bioelectronics</i> , 2016, 79, 715-720.	10.1	45
14	Tissue Imprinting on 2D Nanoflakes-Capped Silicon Nanowires for Lipidomic Mass Spectrometry Imaging and Cancer Diagnosis. <i>ACS Nano</i> , 2022, 16, 6916-6928.	14.6	41
15	A co-delivery platform for synergistic promotion of angiogenesis based on biodegradable, therapeutic and self-reporting luminescent porous silicon microparticles. <i>Biomaterials</i> , 2021, 272, 120772.	11.4	40
16	Tip-Enhanced Photoinduced Electron Transfer and Ionization on Vertical Silicon Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14389-14398.	8.0	39
17	Rapid and reagentless detection of thrombin in clinic samples via microfluidic aptasensors with multiple target-binding sites. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111726.	10.1	38
18	A label-free optical sensor based on nanoporous gold arrays for the detection of oligodeoxynucleotides. <i>Biosensors and Bioelectronics</i> , 2011, 30, 21-27.	10.1	33

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19	Bridging interdigitated electrodes by electrochemical-assisted deposition of graphene oxide for constructing flexible gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 591-599.	7.8	30
20	Use of a porous silicon-gold plasmonic nanostructure to enhance serum peptide signals in MALDI-TOF analysis. <i>Analytica Chimica Acta</i> , 2014, 849, 27-35.	5.4	26
21	Two-Dimensional Electrochemiluminescence on Porous Silicon Platform for Explosive Detection and Discrimination. <i>ACS Sensors</i> , 2018, 3, 1439-1444.	7.8	21
22	Silica-Nanochannel-Based Interferometric Sensor for Selective Detection of Polar and Aromatic Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2018, 90, 10780-10785.	6.5	20
23	Palladium modified porous silicon as multi-functional MALDI chip for serum peptide detection. <i>Analyst</i> , 2017, 142, 586-590.	3.5	18
24	Hepatocarcinoma Discrimination by Ratiometric Lipid Profiles Using Tip-Contact Sampling/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 10376-10380.	6.5	15
25	Optical nose based on porous silicon photonic crystal infiltrated with ionic liquids. <i>Analytica Chimica Acta</i> , 2017, 953, 71-78.	5.4	14
26	Capture and detection of urine bacteria using a microchannel silicon nanowire microfluidic chip coupled with MALDI-TOF MS. <i>Analyst</i> , 2021, 146, 1151-1156.	3.5	13
27	A vertical tip-contact silicon nanowire array for gas sensing. <i>Nanoscale</i> , 2016, 8, 17757-17764.	5.6	12
28	Self-powered gas sensor based on SiNWs/ITO photodiode. <i>RSC Advances</i> , 2019, 9, 23554-23559.	3.6	12
29	Perfluorinated polymer modified vertical silicon nanowires as ultra low noise laser desorption ionization substrate for salivary metabolites profiling. <i>Talanta</i> , 2021, 225, 122022.	5.5	11
30	High-Throughput Salivary Metabolite Profiling on an Ultralow Noise Tip-Enhanced Laser Desorption Ionization Mass Spectrometry Platform for Noninvasive Diagnosis of Early Lung Cancer. <i>Journal of Proteome Research</i> , 2021, 20, 4346-4356.	3.7	11
31	Two-Dimensional Fluorescent Strategy Based on Porous Silicon Quantum Dots for Metal-Ion Detection and Recognition. <i>ACS Applied Nano Materials</i> , 2019, 2, 6110-6115.	5.0	10
32	Ratiometric Mass Spectrometry for Cell Identification and Quantitation Using Intracellular α -Dual-Biomarkers. <i>Scientific Reports</i> , 2017, 7, 17432.	3.3	9
33	High throughput lipid profiling for subtype classification of hepatocellular carcinoma cell lines and tumor tissues. <i>Analytica Chimica Acta</i> , 2020, 1107, 92-100.	5.4	9
34	Assembly of 2D-MoS ₂ with graphene layer for highly sensitive and selective gas detection at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132185.	7.8	8
35	Label-free discrimination of membrane-translocating peptides on porous silicon microfluidic biosensors. <i>Biomicrofluidics</i> , 2016, 10, 064113.	2.4	5
36	Multi-dimensional on-particle detection technology for multi-category disease classification. <i>Chemical Communications</i> , 2016, 52, 3490-3493.	4.1	5

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37	Dual-Mechanism-Driven Strategy for High-Coverage Detection of Serum Lipids on a Novel SALDI-MS Target. <i>Analytical Chemistry</i> , 2022, 94, 8570-8579.	6.5	5
38	Ultrasensitive and High Reproducible Detection of Urinary Metabolites Using the Tip-Contact Extraction Method Coupled with Negative LDI-MS. <i>Journal of Proteome Research</i> , 2021, 20, 4022-4030.	3.7	3
39	Lipid response of hepatocellular carcinoma cells to anticancer drug detected on nanostructure-assisted LDI-MS platform. <i>Talanta</i> , 2021, 235, 122817.	5.5	1
40	Vapor Sensing: Organic Vapor Sensing Based on the Light Scattering Effect of Condensed Microdroplets (<i>Small</i> 24/2012). <i>Small</i> , 2012, 8, 3774-3774.	10.0	0