

# Jing Jiang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,063  
citations

471509

17  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1726  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone based portable bacteria pre-concentrating microfluidic sensor and impedance sensing system. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 653-659.	7.8	141
2	Smartphone-based portable biosensing system using impedance measurement with printed electrodes for 2,4,6-trinitrotoluene (TNT) detection. <i>Biosensors and Bioelectronics</i> , 2015, 70, 81-88.	10.1	120
3	Protein detecting with smartphone-controlled electrochemical impedance spectroscopy for point-of-care applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 994-1002.	7.8	109
4	Audio jack based miniaturized mobile phone electrochemical sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 677-685.	7.8	79
5	Plasmonic nano-arrays for ultrasensitive bio-sensing. <i>Nanophotonics</i> , 2018, 7, 1517-1531.	6.0	68
6	Combining localized surface plasmon resonance with anodic stripping voltammetry for heavy metal ion detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 349-356.	7.8	51
7	Nanoplasmonic biosensor: Coupling electrochemistry to localized surface plasmon resonance spectroscopy on nanocup arrays. <i>Biosensors and Bioelectronics</i> , 2015, 67, 237-242.	10.1	50
8	Large-area, uniform and low-cost dual-mode plasmonic naked-eye colorimetry and SERS sensor with handheld Raman spectrometer. <i>Nanoscale</i> , 2016, 8, 6162-6172.	5.6	48
9	Surface plasmon enhanced broadband spectrophotometry on black silver substrates. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	46
10	Mutual promotion of electrochemical-localized surface plasmon resonance on nanochip for sensitive sialic acid detection. <i>Biosensors and Bioelectronics</i> , 2018, 117, 32-39.	10.1	44
11	Monitoring the electrochemical responses of neurotransmitters through localized surface plasmon resonance using nanohole array. <i>Biosensors and Bioelectronics</i> , 2017, 93, 241-249.	10.1	35
12	Nanoreplicated positive and inverted submicrometer polymer pyramid array for surface-enhanced Raman Spectroscopy. <i>Journal of Nanophotonics</i> , 2011, 5, 053526.	1.0	33
13	Two-dimensional molybdenum disulfide (MoS <sub>2</sub> ) with gold nanoparticles for biosensing of explosives by optical spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 279-287.	7.8	33
14	Monolithic Integrations of Slanted Silicon Nanostructures on 3D Microstructures and Their Application to Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24161-24170.	3.1	31
15	Cell migration and organization in three-dimensional in vitro culture driven by stiffness gradient. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2496-2506.	3.3	29
16	Peptide Functionalized Nanoplasmonic Sensor for Explosive Detection. <i>Nano-Micro Letters</i> , 2016, 8, 36-43.	27.0	22
17	Nanoplasmonic monitoring of odorants binding to olfactory proteins from honeybee as biosensor for chemical detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 341-349.	7.8	21
18	Laser-Induced Breakdown Spectroscopy for Rapid Discrimination of Heavy-Metal-Contaminated Seafood <i>Tegillarca granosa</i> . <i>Sensors</i> , 2017, 17, 2655.	3.8	19

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19	Black silicon solar thin-film microcells integrating top nanocone structures for broadband and omnidirectional light-trapping. <i>Nanotechnology</i> , 2014, 25, 305301.	2.6	18
20	Lithography-free sub-100 nm nanocone array antireflection layer for low-cost silicon solar cell. <i>Applied Optics</i> , 2012, 51, 4430.	1.8	17
21	Quick detection of contaminants leaching from polypropylene centrifuge tubes with surface-enhanced Raman spectroscopy and ultraviolet absorption spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1939-1944.	2.5	16
22	Bimaterial microcantilevers with black silicon nanocone arrays. <i>Sensors and Actuators A: Physical</i> , 2013, 199, 143-148.	4.1	13
23	Large-area, lithography-free, low-cost SERS sensor with good flexibility and high performance. <i>Nanotechnology</i> , 2016, 27, 385205.	2.6	9
24	Lithography-Free, Low-Cost Method for Improving Photodiode Performance by Etching Silicon Nanocones as Antireflection Layer. <i>Journal of Sensors</i> , 2016, 2016, 1-6.	1.1	6
25	Probing plasma-surface interactions with the transmission electron microscope or the Si collector interface of the plasma bipolar junction transistor. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 464016.	2.8	2
26	Large-area bi-functional nano-mushroom plasmonic sensor for colorimetry and surface-enhanced Raman spectroscopy. , 2014, , .		1
27	Surface enhanced Raman spectroscopy and fluorescence based on black silver. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
28	Integrations of slanted silicon nanostructures on 3D microstructures and it application in surface enhanced Raman spectroscopy. , 2012, , .		0