

Te-Wei Chang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

306
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Referenced Smartphone-Based Nanoplasmonic Imaging Platform for Colorimetric Biochemical Sensing. <i>Analytical Chemistry</i> , 2017, 89, 611-615.	6.5	79
2	The microelectronic wireless nitrate sensor network for environmental water monitoring. <i>Journal of Environmental Monitoring</i> , 2012, 14, 3068.	2.1	34
3	A wafer-scale backplane-assisted resonating nanoantenna array SERS device created by tunable thermal dewetting nanofabrication. <i>Nanotechnology</i> , 2014, 25, 145304.	2.6	34
4	Bifunctional Nano Lycurgus Cup Array Plasmonic Sensor for Colorimetric Sensing and Surface-Enhanced Raman Spectroscopy. <i>Advanced Optical Materials</i> , 2015, 3, 1397-1404.	7.3	30
5	3D Plasmon Coupling Assisted Sers on Nanoparticle-Nanocup Array Hybrids. <i>Scientific Reports</i> , 2018, 8, 3002.	3.3	27
6	Plasmonic nanohole array for enhancing the SERS signal of a single layer of graphene in water. <i>Scientific Reports</i> , 2017, 7, 14044.	3.3	25
7	Marangoni Convection Assisted Single Molecule Detection with Nanojet Surface Enhanced Raman Spectroscopy. <i>ACS Sensors</i> , 2017, 2, 1133-1138.	7.8	20
8	Injection- Seeded Optoplasmonic Amplifier in the Visible. <i>Scientific Reports</i> , 2014, 4, 6168.	3.3	18
9	Colorimetric plasmon resonance microfluidics on nanohole array sensors. <i>Sensing and Bio-Sensing Research</i> , 2015, 5, 24-32.	4.2	11
10	Substrate binding to cytochrome P450-2J2 in Nanodiscs detected by nanoplasmonic Lycurgus cup arrays. <i>Biosensors and Bioelectronics</i> , 2016, 75, 337-346.	10.1	11
11	Detecting DNA Methylation Using Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 698-709.	3.1	11
12	Comparison of Surface-Enhanced Raman Spectroscopy on Absorbing and Nonabsorbing Nanostructured Substrates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18693-18699.	3.1	5
13	Rapid redox based transformation of metallic nanoparticles on photocatalytic silicon nanostructures. <i>Applied Physics Letters</i> , 2014, 104, 243116.	3.3	1
14	Colorimetry: Bifunctional Nano Lycurgus Cup Array Plasmonic Sensor for Colorimetric Sensing and Surface-Enhanced Raman Spectroscopy (<i>Advanced Optical Materials</i> 10/2015). <i>Advanced Optical Materials</i> , 2015, 3, 1304-1304.	7.3	0
15	Nanostructures for enhancing the SERS signal of a graphene monolayer in water and visible light absorption in a graphene monolayer. , 2019, , .		0