

Xiaoshu Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8147308/publications.pdf>

Version: 2024-02-01

19
papers

985
citations

777949

13
h-index

939365

18
g-index

19
all docs

19
docs citations

19
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanogap dielectrophoresis combined with buffer exchange for detecting protein binding to trapped bioparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125829.	2.3	3
2	Ultralow-Power Electronic Trapping of Nanoparticles with Sub-10 nm Gold Nanogap Electrodes. <i>Nano Letters</i> , 2016, 16, 6317-6324.	4.5	57
3	Split-Wedge Antennas with Sub-5 nm Gaps for Plasmonic Nanofocusing. <i>Nano Letters</i> , 2016, 16, 7849-7856.	4.5	54
4	Engineering a Large Scale Indium Nanodot Array for Refractive Index Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31871-31877.	4.0	13
5	Terahertz Waves: Perfect Extinction of Terahertz Waves in Monolayer Graphene over 2-nm-Wide Metallic Apertures (<i>Advanced Optical Materials</i> 5/2015). <i>Advanced Optical Materials</i> , 2015, 3, 714-714.	3.6	1
6	Nanogap-Enhanced Terahertz Sensing of 1 nm Thick ($\epsilon/10^{⁶}$) Dielectric Films. <i>ACS Photonics</i> , 2015, 2, 417-424.	3.2	85
7	Perfect Extinction of Terahertz Waves in Monolayer Graphene over 2-nm-Wide Metallic Apertures. <i>Advanced Optical Materials</i> , 2015, 3, 667-673.	3.6	28
8	High-density metallic nanogap arrays for the sensitive detection of single-walled carbon nanotube thin films. <i>Faraday Discussions</i> , 2015, 178, 195-201.	1.6	16
9	Low-temperature enhancement of plasmonic performance in silver films. <i>Optical Materials Express</i> , 2015, 5, 1147.	1.6	35
10	Nanogap-Enhanced Infrared Spectroscopy with Template-Stripped Wafer-Scale Arrays of Buried Plasmonic Cavities. <i>Nano Letters</i> , 2015, 15, 107-113.	4.5	135
11	Film-coupled nanoparticles by atomic layer deposition: Comparison with organic spacing layers. <i>Applied Physics Letters</i> , 2014, 104, 023109.	1.5	48
12	Third-Harmonic Generation Enhancement by Film-Coupled Plasmonic Stripe Resonators. <i>ACS Photonics</i> , 2014, 1, 1212-1217.	3.2	112
13	Squeezing Millimeter Waves through a Single, Nanometer-wide, Centimeter-long Slit. <i>Scientific Reports</i> , 2014, 4, 6722.	1.6	34
14	Tip-based plasmonics: squeezing light with metallic nanoprobles. <i>Laser and Photonics Reviews</i> , 2013, 7, 453-477.	4.4	39
15	Atomic layer lithography of wafer-scale nanogap arrays for extreme confinement of electromagnetic waves. <i>Nature Communications</i> , 2013, 4, 2361.	5.8	286
16	Influence of nonlinear effects in ZnTe on generation and detection of terahertz waves. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	13
17	Enhanced Terahertz Emission From ZnSe Nano-Grain Surface. <i>Journal of Lightwave Technology</i> , 2008, 26, 1519-1523.	2.7	18
18	Terahertz Radiation Mechanisms in ZnSe at Femtosecond Laser Pulse Excitation. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 1497-1500.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Experimental study of terahertz emission from ZnSe and ZnTe nanostructures. , 2007, 6840, 260.		1