

Dong-Ho Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6014573/publications.pdf>

Version: 2024-02-01

23
papers

679
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1016
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ electrochemical surface modification of Au electrodes for simultaneous label-free SERS detection of ascorbic acid, dopamine and uric acid. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131196.	7.8	30
2	Three-Dimensional Hot-Volume Plasmonic Gold Nanoreactor Array for Ultrasensitive Immunoassays. <i>ACS Applied Nano Materials</i> , 2022, 5, 4269-4280.	5.0	2
3	Organometallic hotspot engineering for ultrasensitive EC-SERS detection of pathogenic bacteria-derived DNAs. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114325.	10.1	17
4	Small-Volume Plasmonic Microwell Array with 3D Hierarchical Nanomaterials for Plasmon-Enhanced Fluorescence Immunoassay. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000015.	3.6	5
5	Rapid and sensitive multiplex molecular diagnosis of respiratory pathogens using plasmonic isothermal RPA array chip. <i>Biosensors and Bioelectronics</i> , 2021, 182, 113167.	10.1	11
6	Plasmonic contact lens materials for glucose sensing in human tears. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130297.	7.8	28
7	A Wearable Surface-Enhanced Raman Scattering Sensor for Label-Free Molecular Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3024-3032.	8.0	70
8	In Situ Electrodeposition of Gold Nanostructures in 3D Ultra-Thin Hydrogel Skins for Direct Molecular Detection in Complex Mixtures with High Sensitivity. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100316.	8.7	9
9	Plasmonic Microgels for Raman-Based Molecular Detection Created by Simultaneous Photoreduction and Photocross-linking. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48188-48197.	8.0	14
10	Quasi-3D Plasmonic Nanowell Array for Molecular Enrichment and SERS-Based Detection. <i>Nanomaterials</i> , 2020, 10, 939.	4.1	3
11	3D-assembled Ag nanowires for use in plasmon-enhanced spectroscopic sensors. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 325-347.	6.7	12
12	Highly Sensitive and Selective Nanogap-Enhanced SERS Sensing Platform. <i>Nanomaterials</i> , 2019, 9, 619.	4.1	9
13	Compact Integration of TiO ₂ Nanoparticles into the Cross-Points of 3D Vertically Stacked Ag Nanowires for Plasmon-Enhanced Photocatalysis. <i>Nanomaterials</i> , 2019, 9, 468.	4.1	17
14	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. <i>Small</i> , 2019, 15, e1905076.	10.0	32
15	M13 Bacteriophage/Silver Nanowire Surface-Enhanced Raman Scattering Sensor for Sensitive and Selective Pesticide Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10388-10397.	8.0	69
16	SERS-Active-Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples. <i>Small</i> , 2018, 14, e1802520.	10.0	40
17	Highly sensitive and on-site NO ₂ SERS sensors operated under ambient conditions. <i>Analyst</i> , 2018, 143, 3006-3010.	3.5	27
18	Holographic Fabrication of 3D Nanostructures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800330.	3.7	17

#	ARTICLE	IF	CITATIONS
19	Nanostructured plasmonic substrates for use as SERS sensors. Nano Convergence, 2016, 3, 18.	12.1	99
20	Fabrication of Au-Decorated 3D ZnO Nanostructures as Recyclable SERS Substrates. IEEE Sensors Journal, 2016, 16, 3382-3386.	4.7	16
21	Metal Nanoparticle-Loaded Microgels with Selective Permeability for Direct Detection of Small Molecules in Biological Fluids. Chemistry of Materials, 2016, 28, 1559-1565.	6.7	34
22	Standing-Wave-Assisted Creation of Nanopillar Arrays with Vertically Integrated Nanogaps for SERS-Active Substrates. Advanced Functional Materials, 2015, 25, 4681-4688.	14.9	49
23	3D Hybrid Plasmonic Nanomaterials for Highly Efficient Optical Absorbers and Sensors. Advanced Materials, 2015, 27, 4290-4295.	21.0	69