Dong-Ho Kim

List of Publications by Year
in descending order

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

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23	679	567281 15	642732 23
papers	citations	h-index	g-index

23	23	23	1016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructured plasmonic substrates for use as SERS sensors. Nano Convergence, 2016, 3, 18.	12.1	99
2	A Wearable Surface-Enhanced Raman Scattering Sensor for Label-Free Molecular Detection. ACS Applied Materials & Interfaces, 2021, 13, 3024-3032.	8.0	70
3	3D Hybrid Plasmonic Nanomaterials for Highly Efficient Optical Absorbers and Sensors. Advanced Materials, 2015, 27, 4290-4295.	21.0	69
4	M13 Bacteriophage/Silver Nanowire Surface-Enhanced Raman Scattering Sensor for Sensitive and Selective Pesticide Detection. ACS Applied Materials & Interfaces, 2018, 10, 10388-10397.	8.0	69
5	Standingâ€Waveâ€Assisted Creation of Nanopillar Arrays with Vertically Integrated Nanogaps for SERSâ€Active Substrates. Advanced Functional Materials, 2015, 25, 4681-4688.	14.9	49
6	SERSâ€Activeâ€Charged Microgels for Sizeâ€•and Chargeâ€Selective Molecular Analysis of Complex Biological Samples. Small, 2018, 14, e1802520.	10.0	40
7	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
8	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. Small, 2019, 15, e1905076.	10.0	32
9	In situ electrochemical surface modification of Au electrodes for simultaneous label-free SERS detection of ascorbic acid, dopamine and uric acid. Sensors and Actuators B: Chemical, 2022, 353, 131196.	7.8	30
10	Plasmonic contact lens materials for glucose sensing in human tears. Sensors and Actuators B: Chemical, 2021, 344, 130297.	7.8	28
11	Highly sensitive and on-site NO₂ SERS sensors operated under ambient conditions. Analyst, The, 2018, 143, 3006-3010.	3.5	27
12	Holographic Fabrication of 3D Nanostructures. Advanced Materials Interfaces, 2018, 5, 1800330.	3.7	17
13	Compact Integration of TiO2 Nanoparticles into the Cross-Points of 3D Vertically Stacked Ag Nanowires for Plasmon-Enhanced Photocatalysis. Nanomaterials, 2019, 9, 468.	4.1	17
14	Organometallic hotspot engineering for ultrasensitive EC-SERS detection of pathogenic bacteria-derived DNAs. Biosensors and Bioelectronics, 2022, 210, 114325.	10.1	17
15	Fabrication of Au-Decorated 3D ZnO Nanostructures as Recyclable SERS Substrates. IEEE Sensors Journal, 2016, 16, 3382-3386.	4.7	16
16	Plasmonic Microgels for Raman-Based Molecular Detection Created by Simultaneous Photoreduction and Photocross-linking. ACS Applied Materials & Interfaces, 2020, 12, 48188-48197.	8.0	14
17	3D-assembled Ag nanowires for use in plasmon-enhanced spectroscopic sensors. Applied Spectroscopy Reviews, 2019, 54, 325-347.	6.7	12
18	Rapid and sensitive multiplex molecular diagnosis of respiratory pathogens using plasmonic isothermal RPA array chip. Biosensors and Bioelectronics, 2021, 182, 113167.	10.1	11

#	Article	IF	Citations
19	Highly Sensitive and Selective Nanogap-Enhanced SERS Sensing Platform. Nanomaterials, 2019, 9, 619.	4.1	9
20	In Situ Electrodeposition of Gold Nanostructures in 3D Ultraâ€Thin Hydrogel Skins for Direct Molecular Detection in Complex Mixtures with High Sensitivity. Laser and Photonics Reviews, 2021, 15, 2100316.	8.7	9
21	Smallâ€Volume Plasmonic Microwell Array with 3D Hierarchical Nanomaterials for Plasmonâ€Enhanced Fluorescence Immunoassay. Advanced NanoBiomed Research, 2021, 1, 2000015.	3.6	5
22	Quasi-3D Plasmonic Nanowell Array for Molecular Enrichment and SERS-Based Detection. Nanomaterials, 2020, 10, 939.	4.1	3
23	Three-Dimensional Hot-Volume Plasmonic Gold Nanoreactor Array for Ultrasensitive Immunoassays. ACS Applied Nano Materials, 2022, 5, 4269-4280.	5.0	2