Gwiyeong Moon

List of Publications by Year
in descending order

15 papers	**199** citations	1163117 **8** h-index

1199594
12
g-index

15 all docs	**15** docs citations	**15** times ranked	**229** citing authors

#	Article	IF	Citations
1	Machine learning-based design of meta-plasmonic biosensors with negative index metamaterials. Biosensors and Bioelectronics, 2020, 164, 112335.	10.1	54
2	Superlocalized Three-Dimensional Live Imaging of Mitochondrial Dynamics in Neurons Using Plasmonic Nanohole Arrays. ACS Nano, 2019, 13, 3063-3074.	14.6	45
3	Deep Learning Approach for Enhanced Detection of Surface Plasmon Scattering. Analytical Chemistry, 2019, 91, 9538-9545.	6.5	33
4	Super-resolved Raman microscopy using random structured light illumination: Concept and feasibility. Journal of Chemical Physics, 2021, 155, 144202.	3.0	15
5	Enhanced surface plasmon microscopy based on multi-channel spatial light switching for label-free neuronal imaging. Biosensors and Bioelectronics, 2019, 146, 111738.	10.1	14
6	Disordered Nanocomposite Islands for Nanospeckle Illumination Microscopy in Wide‐Field Super‐Resolution Imaging. Advanced Optical Materials, 2021, 9, 2100211.	7.3	10
7	Plasmon-stimulated biophotovoltaic cells based on thylakoid–AuNR conjugates. Journal of Materials Chemistry A, 2020, 8, 24192-24203.	10.3	9
8	Plasmon-enhanced fluorescence correlation spectroscopy for super-localized detection of nanoscale subcellular dynamics. Biosensors and Bioelectronics, 2021, 184, 113219.	10.1	8
9	Metallic 3D Random Nanocomposite Islands For Near‐Field Spatial Light Switching. Advanced Optical Materials, 2018, 6, 1701219.	7.3	7
10	Dispersive effects in imaging polarimetry based on a wire-grid polarizer. Scientific Reports, 2020, 10, 9495.	3.3	2
11	Metallic Nanoislands: Metallic 3D Random Nanocomposite Islands For Near-Field Spatial Light Switching (Advanced Optical Materials 10/2018). Advanced Optical Materials, 2018, 6, 1870041.	7.3	1
12	Disordered Nanocomposite Islands for Nanospeckle Illumination Microscopy in Wide‐Field Super‐Resolution Imaging (Advanced Optical Materials 15/2021). Advanced Optical Materials, 2021, 9, 2170058.	7.3	1
13	Improved measurement of surface plasmon scattering based on deep learning. , 2020, , .		0
14	Nanospeckle illumination microscopy via randomly localized near-field speckle by nanocomposite islands. , 2022, , .		0
15	Disordered plasmonic substrate-based wide-field super-resolution imaging. , 2022, , .		0