

Chen-Chieh Yu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

592
citations

840776

11
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon-based broadband antenna for high responsivity and polarization-insensitive photodetection at telecommunication wavelengths. <i>Nature Communications</i> , 2014, 5, 3288.	12.8	165
2	Romantic Story or Raman Scattering? Rose Petals as Ecofriendly, Low-Cost Substrates for Ultrasensitive Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2015, 87, 6017-6024.	6.5	90
3	Nanoimprint technology for patterning functional materials and its applications. <i>Microelectronic Engineering</i> , 2015, 132, 98-119.	2.4	65
4	Nanoparticle Stacks with Graded Refractive Indices Enhance the Omnidirectional Light Harvesting of Solar Cells and the Light Extraction of Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2013, 23, 1412-1421.	14.9	49
5	Single-shot laser treatment provides quasi-three-dimensional paper-based substrates for SERS with attomolar sensitivity. <i>Nanoscale</i> , 2015, 7, 1667-1677.	5.6	43
6	White-Light-Induced Collective Heating of Gold Nanocomposite/Bombyx mori Silk Thin Films with Ultrahigh Broadband Absorbance. <i>ACS Nano</i> , 2015, 9, 12045-12059.	14.6	42
7	Electric field-assisted self-organization of polymer:fullerene hybrids on the photovoltaic performance. <i>Energy and Environmental Science</i> , 2011, 4, 2134.	30.8	41
8	Broadband and wide angle antireflection of sub-20 nm GaAs nanograss. <i>Energy and Environmental Science</i> , 2012, 5, 7601.	30.8	25
9	Using the nanoimprint-in-metal method to prepare corrugated metal structures for plasmonic biosensors through both surface plasmon resonance and index-matching effects. <i>Biosensors and Bioelectronics</i> , 2012, 33, 267-273.	10.1	18
10	Incident angle-tuned, broadband, ultrahigh-sensitivity plasmonic antennas prepared from nanoparticles on imprinted mirrors. <i>Nanoscale</i> , 2015, 7, 3985-3996.	5.6	12
11	Use of Reversal Nanoimprinting of Nanoparticles to Prepare Flexible Waveguide Sensors Exhibiting Enhanced Scattering of the Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2010, 20, 1742-1749.	14.9	11
12	Using intruded gold nanoclusters as highly active catalysts to fabricate silicon nanostalactite structures exhibiting excellent light trapping and field emission properties. <i>Energy and Environmental Science</i> , 2011, 4, 5020.	30.8	11
13	Dependence of Nanocrystal Dimensionality on the Polymer Nanomorphology, Anisotropic Optical Absorption, and Carrier Transport in P3HT:TiO ₂ Bulk Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25081-25088.	3.1	10
14	Plasmonic nanoparticle-film calipers for rapid and ultrasensitive dimensional and refractometric detection. <i>Analyst</i> , 2014, 139, 5103-5111.	3.5	4
15	Astronomical liquid mirrors as highly ultrasensitive, broadband-operational surface-enhanced Raman scattering-active substrates. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 80-90.	9.4	4
16	Short-range plasmonic nanofocusing within submicron regimes facilitates in situ probing and promoting of interfacial reactions. <i>Nanoscale</i> , 2016, 8, 3647-3659.	5.6	2
17	Using the nanoimprint-in-metal method to prepare corrugated metal structures for plasmonic biosensors through both surface plasmon resonance and index-matching effects. , 2012, , .		0
18	Rapidly characterize structural qualities of large-area graphene by optical anisotropy. , 2013, , .		0