Jung Sang Suh

List of Publications by Year
in descending order

34 papers	728 citations	430874 18 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	1078 citing authors

#	Article	IF	Citations
1	Size-Controllable and Low-Cost Fabrication of Graphene Quantum Dots Using Thermal Plasma Jet. ACS Nano, 2014, 8, 4190-4196.	14.6	92
2	Optimum Length of Silver Nanorods for Fabrication of Hot Spots. Journal of Physical Chemistry C, 2007, 111, 7906-7909.	3.1	49
3	Recent Progress in Dye-Sensitized Solar Cells for Improving Efficiency: TiO₂Nanotube Arrays in Active Layer. Journal of Nanomaterials, 2015, 2015, 1-17.	2.7	47
4	Multi-Shaped Ag Nanoparticles in the Plasmonic Layer of Dye-Sensitized Solar Cells for Increased Power Conversion Efficiency. Nanomaterials, 2017, 7, 136.	4.1	40
5	Comparison of the field emissions between highly ordered carbon nanotubes with closed and open tips. Applied Physics Letters, 2004, 84, 825-827.	3.3	35
6	Silver nanorods used to promote SERS as a quantitative analytical tool. Journal of Raman Spectroscopy, 2010, 41, 624-627.	2.5	35
7	Enhancement at the Junction of Silver Nanorods. Langmuir, 2008, 24, 8934-8938.	3.5	34
8	Fabrication of graphene flakes composed of multi-layer graphene sheets using a thermal plasma jet system. Nanotechnology, 2010, 21, 095601.	2.6	34
9	Filling TiO2 nanoparticles in the channels of TiO2 nanotube membranes to enhance the efficiency of dye-sensitized solar cells. Chemical Physics Letters, 2011, 513, 108-111.	2.6	29
10	Horizontally aligned carbon nanotube field emitters having a long term stability. Carbon, 2007, 45, 2917-2921.	10.3	28
11	Surface plasmon-enhanced dye-sensitized solar cells based on double-layered composite films consisting of TiO₂/Ag and TiO₂/Au nanoparticles. RSC Advances, 2015, 5, 27464-27469.	3.6	27
12	Ag Nanoparticleâ€“Functionalized Open-Ended Freestanding TiO2 Nanotube Arrays with a Scattering Layer for Improved Energy Conversion Efficiency in Dye-Sensitized Solar Cells. Nanomaterials, 2016, 6, 117.	4.1	25
13	Diameter control of carbon nanotubes by changing the concentration of catalytic metal ion solutions. Carbon, 2005, 43, 1453-1459.	10.3	22
14	Minimum Enhancement of Surface-Enhanced Raman Scattering for Single-Molecule Detections. Journal of Physical Chemistry A, 2009, 113, 8529-8532.	2.5	22
15	Hexagonally Patterned Silver Nanoparticles Electrodeposited on an Aluminum Plate for Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2010, 114, 7258-7262.	3.1	22
16	Aggregation effect of silver nanoparticles on the energy conversion efficiency of the surface plasmon-enhanced dye-sensitized solar cells. Solar Energy, 2014, 109, 61-69.	6.1	22
17	Uniform field emission from aligned carbon nanotubes prepared by CO disproportionation. Journal of Applied Physics, 2002, 92, 7519-7522.	2.5	20
18	Fabrication of dispersible graphene flakes using thermal plasma jet and their thin films for solar cells. Carbon, 2016, 106, 48-55.	10.3	19

#	ARTICLE	IF	CITATIONS
19	Carbon-doped freestanding TiO₂ nanotube arrays in dye-sensitized solar cells. New Journal of Chemistry, 2017, 41, 285-289.	2.8	17
20	Dual Functionalized Freestanding TiO2 Nanotube Arrays Coated with Ag Nanoparticles and Carbon Materials for Dye-Sensitized Solar Cells. Applied Sciences (Switzerland), 2017, 7, 576.	2.5	16
21	A simple method to control the diameter of carbon nanotubes and the effect of the diameter in field emission. Carbon, 2008, 46, 969-973.	10.3	15
22	Fabrication of well-ordered molecular device arrays. Chemical Physics Letters, 2006, 427, 137-141.	2.6	14
23	A simple method to fabricate silver colloid clusters for surface-enhanced Raman scattering. Chemical Physics Letters, 2011, 511, 121-125.	2.6	14
24	Characteristics of graphene quantum dots determined by edge structures: three kinds of dots fabricated using thermal plasma jet. RSC Advances, 2015, 5, 67669-67675.	3.6	11
25	Panchromatic quasi-monolayer of Ag nanoparticles for high-efficiency dye-sensitized solar cells. RSC Advances, 2015, 5, 59895-59902.	3.6	8
26	Field emission from the film of the finely dispersed arc discharge black core material. Carbon, 2005, 43, 937-943.	10.3	7
27	Plasmonic-enhanced graphene flake counter electrodes for dye-sensitized solar cells. Journal of Applied Physics, 2017, 121, .	2.5	6
28	Design and development of caffeic acid conjugated with Bombyx mori derived peptide biomaterials for anti-aging skin care applications. RSC Advances, 2017, 7, 30205-30213.	3.6	5
29	Well-ordered semiconducting linearly joined carbon nanotube devices at room temperature. Chemical Physics Letters, 2005, 402, 535-538.	2.6	4
30	Universal substrates based on Ag colloidal particles for routine surface-enhanced Raman scattering spectral measurements. RSC Advances, 2017, 7, 28573-28579.	3.6	4
31	Increasing the surface area of TiO2 nanotube membranes by filling the channels with onion type carbon materials and TiCl4 for dye-sensitized solar cells. RSC Advances, 2015, 5, 74107-74114.	3.6	3
32	Enhancements inside and outside the junctions of Ag colloidal dimers. RSC Advances, 2017, 7, 37241-37247.	3.6	1
33	Simple and efficient fabrication of dimers of silver colloidal particles for surfaceâ€enhanced Raman scattering. Journal of Raman Spectroscopy, 2018, 49, 651-658.	2.5	1
34	Electrodeposited Silver Nanoparticles Patterned Hexagonally for SERS. , 2010, , .		0