Seung Yol Jeong

List of Publications by Year
in descending order

46 papers	1,367 citations	331670 21 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	2630 citing authors

#	Article	IF	Citations
1	A Diameter-Selective Attack of Metallic Carbon Nanotubes by Nitronium Ions. Journal of the American Chemical Society, 2005, 127, 5196-5203.	13.7	145
2	Extremely Efficient Liquid Exfoliation and Dispersion of Layered Materials by Unusual Acoustic Cavitation. Scientific Reports, 2014, 4, 5133.	3.3	101
3	High-Performance Transparent Conductive Films Using Rheologically Derived Reduced Graphene Oxide. ACS Nano, 2011, 5, 870-878.	14.6	84
4	Allâ€Carbon Nanotubeâ€Based Flexible Fieldâ€Emission Devices: From Cathode to Anode. Advanced Functional Materials, 2011, 21, 1526-1532.	14.9	75
5	Highly Concentrated and Conductive Reduced Graphene Oxide Nanosheets by Monovalent Cationâ€“<i>Ï€</i> Interaction: Toward Printed Electronics. Advanced Functional Materials, 2012, 22, 3307-3314.	14.9	74
6	High-Yield Catalytic Synthesis of Thin Multiwalled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 17695-17698.	2.6	71
7	Dispersant-free conducting pastes for flexible and printed nanocarbon electrodes. Nature Communications, 2013, 4, 2491.	12.8	65
8	Characterization of thin multi-walled carbon nanotubes synthesized by catalytic chemical vapor deposition. Chemical Physics Letters, 2005, 413, 135-141.	2.6	63
9	Sensitive photo-thermal response of graphene oxide for mid-infrared detection. Nanoscale, 2015, 7, 15695-15700.	5.6	57
10	Enhanced Electrical Properties of Reduced Graphene Oxide Multilayer Films by <i>In-Situ</i> Insertion of a TiO₂ Layer. ACS Nano, 2011, 5, 8884-8891.	14.6	55
11	Improved transfer of chemical-vapor-deposited graphene through modification of intermolecular interactions and solubility of poly(methylmethacrylate) layers. Carbon, 2014, 66, 612-618.	10.3	49
12	Modulating Electronic Properties of Monolayer MoS₂ <i>via</i> Electron-Withdrawing Functional Groups of Graphene Oxide. ACS Nano, 2016, 10, 10446-10453.	14.6	41
13	Dual-catalyst growth of vertically aligned carbon nanotubes at low temperature in thermal chemical vapor deposition. Chemical Physics Letters, 2002, 361, 189-195.	2.6	38
14	Graphene oxide as a multi-functional p-dopant of transparent single-walled carbon nanotube films for optoelectronic devices. Nanoscale, 2012, 4, 7735.	5.6	37
15	Flexible Field Emission from Thermally Welded Chemically Doped Graphene Thin Films. Small, 2012, 8, 272-280.	10.0	30
16	Modulating Conductivity, Environmental Stability of Transparent Conducting Nanotube Films on Flexible Substrates by Interfacial Engineering. ACS Nano, 2010, 4, 4551-4558.	14.6	27
17	Suppressing spontaneous polarization of p-GaN by graphene oxide passivation: Augmented light output of GaN UV-LED. Scientific Reports, 2015, 5, 7778.	3.3	27
18	Fabrication of high-quality or highly porous graphene sheets from exfoliated graphene oxide via reactions in alkaline solutions. Carbon, 2018, 138, 219-226.	10.3	26

#	Article	IF	Citations
19	Photocurrent of CdSe nanocrystals on single-walled carbon nanotube-field effect transistor. Applied Physics Letters, 2008, 92, .	3.3	22
20	Enhanced response and sensitivity of self-corrugated graphene sensors with anisotropic charge distribution. Scientific Reports, 2015, 5, 11216.	3.3	22
21	Highly efficient polymer light-emitting diodes using graphene oxide-modified flexible single-walled carbon nanotube electrodes. Journal of Materials Chemistry, 2012, 22, 21481.	6.7	21
22	Self-passivation of transparent single-walled carbon nanotube films on plastic substrates by microwave-induced rapid nanowelding. Applied Physics Letters, 2012, 100, .	3.3	19
23	Arrays of vertically aligned tubular-structured graphene for flexible field emitters. Journal of Materials Chemistry, 2012, 22, 11277.	6.7	19
24	Monolithic Graphene Trees as Anode Material for Lithium Ion Batteries with High Câ€Rates. Small, 2015, 11, 2774-2781.	10.0	19
25	Lateral diffusion of graphene oxides in water and the size effect on the orientation of dispersions and electrical conductivity. Carbon, 2017, 125, 280-288.	10.3	19
26	Selfâ€Organized Graphene Nanosheets with Corrugated, Ordered Tip Structures for Highâ€Performance Flexible Field Emission. Small, 2013, 9, 2182-2188.	10.0	17
27	Oneâ€Step Transfer and Integration of Multifunctionality in CVD Graphene by TiO₂/Graphene Oxide Hybrid Layer. Small, 2014, 10, 2057-2066.	10.0	15
28	Transparent carbon nanotube patterns templated by inkjet-printed graphene oxide nanosheets. RSC Advances, 2011, 1, 44.	3.6	14
29	Heavily nitrogen doped chemically exfoliated graphene by flash heating. Carbon, 2019, 144, 675-683.	10.3	13
30	Molecular Engineering to Minimize the Sheet Resistance Increase of Single-Walled Carbon Nanotube/Binder Hybrid Conductive Thin Films. Journal of Physical Chemistry C, 2009, 113, 16915-16920.	3.1	12
31	Titania-Assisted Dispersion of Carboxylated Single-Walled Carbon Nanotubes in a ZnO Sol for Transparent Conducting Hybrid Films. ACS Applied Materials & Interfaces, 2011, 3, 2671-2676.	8.0	11
32	Chemically doped three-dimensional porous graphene monoliths for high-performance flexible field emitters. Nanoscale, 2015, 7, 5495-5502.	5.6	11
33	Tailored and highly efficient oxidation of various-sized graphite by kneading for high-quality graphene nanosheets. Carbon, 2020, 157, 663-669.	10.3	10
34	Orientation effect on the rheology of graphene oxide dispersions in isotropic phase, ordered isotropic biphase, and discotic phase. Journal of Rheology, 2021, 65, 791-806.	2.6	10
35	Spontaneous reduction and dispersion of graphene nano-platelets with in situ synthesized hydrazine assisted by hexamethyldisilazane. Journal of Materials Chemistry, 2012, 22, 20477.	6.7	9
36	Size sorting of chemically modified graphene nanoplatelets. Carbon Letters, 2013, 14, 89-93.	5.9	9

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37	Chemical Strain-Relaxation of Single-Walled Carbon Nanotubes on Plastic Substrates for Enhanced Conductivity. Journal of Physical Chemistry C, 2011, 115, 22251-22256.	3.1	7
38	Ultrafast Heating for Intrinsic Properties of Atomically Thin Two-Dimensional Materials on Plastic Substrates. ACS Applied Materials & Interfaces, 2016, 8, 31222-31230.	8.0	7
39	FABRICATION OF GAS SENSOR USING SINGLE-WALLED CARBON NANOTUBES DISPERSED IN DICHLOROETHANE. Nano, 2006, 01, 235-241.	1.0	6
40	Schottky barrier engineering in carbon nanotube with various metal electrodes. , 2007, , .		3
41	Bias-induced doping engineering with ionic adsorbates on single-walled carbon nanotube thin film transistors. New Journal of Physics, 2008, 10, 113013.	2.9	3
42	Chiralityâ€specific transport phenomena of isolated singleâ€walled carbon nanotube. Physica Status Solidi (B): Basic Research, 2007, 244, 4204-4211.	1.5	2
43	Chemically Exfoliated Graphene Nanosheets for Flexible Electrode Applications. , 2018, , .		1
44	Efficient synthesis of individual single-walled carbon nanotube by water-based catalyst with poly(vinylpyrrolidone). Journal of Nanoscience and Nanotechnology, 2008, 8, 329-34.	0.9	1
45	High-Yield Catalytic Synthesis of Thin Multiwalled Carbon Nanotubes.. ChemInform, 2005, 36, no.	0.0	0
46	Quadruple Hydrogen Bonded Nanocarbon Networks for High Performance Dispersant-Free Conducting Pastes. Materials Research Society Symposia Proceedings, 2014, 1700, 91-95.	0.1	0