Won Jun Lee

List of Publications by Year
in descending order

47 papers	4,845 citations	172457 29 h-index	197818 49 g-index
51 all docs	51 docs citations	51 times ranked	9022 citing authors

#	Article	IF	Citations
1	Molybdenum Sulfide/N-Doped CNT Forest Hybrid Catalysts for High-Performance Hydrogen Evolution Reaction. Nano Letters, 2014, 14, 1228-1233.	9.1	634
2	25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. Advanced Materials, 2014, 26, 40-67.	21.0	479
3	Nitrogen-doped carbon nanotubes and graphene composite structures for energy and catalytic applications. Chemical Communications, 2014, 50, 6818.	4.1	428
4	Threeâ€Ðimensional Selfâ€Assembly of Graphene Oxide Platelets into Mechanically Flexible Macroporous Carbon Films. Angewandte Chemie - International Edition, 2010, 49, 10084-10088.	13.8	404
5	Theory, Synthesis, and Oxygen Reduction Catalysis of Fe-Porphyrin-Like Carbon Nanotube. Physical Review Letters, 2011, 106, 175502.	7.8	317
6	Peptide/Graphene Hybrid Assembly into Core/Shell Nanowires. Advanced Materials, 2010, 22, 2060-2064.	21.0	248
7	Tailored Assembly of Carbon Nanotubes and Graphene. Advanced Functional Materials, 2011, 21, 1338-1354.	14.9	207
8	Biomineralized N-Doped CNT/TiO₂ Core/Shell Nanowires for Visible Light Photocatalysis. ACS Nano, 2012, 6, 935-943.	14.6	186
9	Nitrogen Dopants in Carbon Nanomaterials: Defects or a New Opportunity?. Small Methods, 2017, 1, 1600014.	8.6	179
10	Transferred vertically aligned N-doped carbon nanotube arrays: use in dye-sensitized solar cells as counter electrodes. Chemical Communications, 2011, 47, 4264.	4.1	175
11	N-doped graphitic self-encapsulation for high performance silicon anodes in lithium-ion batteries. Energy and Environmental Science, 2014, 7, 621-626.	30.8	137
12	Dopant-specific unzipping of carbon nanotubes for intact crystalline graphene nanostructures. Nature Communications, 2016, 7, 10364.	12.8	109
13	Nanoscale Assembly of 2D Materials for Energy and Environmental Applications. Advanced Materials, 2020, 32, e1907006.	21.0	106
14	Strong and Stiff: High-Performance Cellulose Nanocrystal/Poly(vinyl alcohol) Composite Fibers. ACS Applied Materials & Interfaces, 2016, 8, 31500-31504.	8.0	101
15	Two-Minute Assembly of Pristine Large-Area Graphene Based Films. Nano Letters, 2014, 14, 1388-1393.	9.1	92
16	Dynamic assembly of liquid crystalline graphene oxide gel fibers for ion transport. Science Advances, 2018, 4, eaau2104.	10.3	90
17	Porous Graphene-Carbon Nanotube Scaffolds for Fiber Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 9011-9022.	8.0	79
18	Highly entangled carbon nanotube scaffolds by self-organized aqueous droplets. Soft Matter, 2009, 5, 2343-2346.	2.7	70

#	Article	IF	Citations
19	Subnanometer Cobalt-Hydroxide-Anchored N-Doped Carbon Nanotube Forest for Bifunctional Oxygen Catalyst. ACS Applied Materials & Interfaces, 2016, 8, 1571-1577.	8.0	67
20	DNA Origami Nanopatterning on Chemically Modified Graphene. Angewandte Chemie - International Edition, 2012, 51, 912-915.	13.8	59
21	Direct Growth of Polyaniline Chains from Nâ€Doped Sites of Carbon Nanotubes. Small, 2013, 9, 3829-3833.	10.0	49
22	Large Scale Synthesis and Light Emitting Fibers of Tailor-Made Graphene Quantum Dots. Scientific Reports, 2015, 5, 14163.	3.3	48
23	Joule heating-induced sp2-restoration in graphene fibers. Carbon, 2019, 142, 230-237.	10.3	46
24	Visible-light active nanohybrid TiO2/carbon photocatalysts with programmed morphology by direct carbonization of block copolymer templates. Green Chemistry, 2011, 13, 3397.	9.0	44
25	Production of novel FeOOH/reduced graphene oxide hybrids and their performance as oxygen reduction reaction catalysts. Carbon, 2014, 80, 127-134.	10.3	42
26	A graphene quantum dot/phthalocyanine conjugate: a synergistic catalyst for the oxygen reduction reaction. RSC Advances, 2017, 7, 26113-26119.	3.6	37
27	Biomimetic mineralization of vertical N-doped carbon nanotubes. Chemical Communications, 2011, 47, 535-537.	4.1	31
28	Carbon nanotube-reduced graphene oxide fiber with high torsional strength from rheological hierarchy control. Nature Communications, 2021, 12, 396.	12.8	29
29	Interfacially-grafted single-walled carbon nanotube / poly (vinyl alcohol) composite fibers. Carbon, 2019, 146, 162-171.	10.3	28
30	Open porous graphene nanoribbon hydrogel via additive-free interfacial self-assembly: Fast mass transport electrodes for high-performance biosensing and energy storage. Energy Storage Materials, 2019, 16, 251-258.	18.0	27
31	Effect of SiC Particle Size on Wear Properties of Al2O3Â·SiO2/SiC/Mg Hybrid Metal Matrix Composites. Tribology Letters, 2012, 45, 101-107.	2.6	26
32	Strengthening and Stiffening Graphene Oxide Fiber with Trivalent Metal Ion Binders. Particle and Particle Systems Characterization, 2017, 34, 1600401.	2.3	24
33	Layered zinc hydroxide monolayers by hydrolysis of organozincs. Chemical Science, 2018, 9, 2135-2146.	7.4	23
34	Electroless Bimetal Decoration on Nâ€Doped Carbon Nanotubes and Graphene for Oxygen Reduction Reaction Catalysts. Particle and Particle Systems Characterization, 2014, 31, 965-970.	2.3	21
35	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. ACS Nano, 2020, 14, 5570-5580.	14.6	17
36	XPS sputter depth profiling of the chemical states for SrTiO3/Si interface by O2+ ion beams. Surface and Interface Analysis, 1995, 23, 851-857.	1.8	13

#	Article	IF	Citations
37	Macroscopic Assembly of Sericin toward Self-Healable Silk. Biomacromolecules, 2021, 22, 4337-4346.	5.4	10
38	Carbon: 25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices (Adv. Mater. 1/2014). Advanced Materials, 2014, 26, 2-2.	21.0	7
39	Boosting Activity and Durability of an Electrodeposited Ni(OH)₂ Catalyst Using Carbon Nanotube-Grafted Substrates for the Alkaline Oxygen Evolution Reaction. ACS Applied Nano Materials, 2021, 4, 10267-10274.	5.0	7
40	Alkylated sulfonated poly(arylene sulfone)s for proton exchange membranes. Macromolecular Research, 2017, 25, 400-407.	2.4	5
41	UV-crosslinked poly(arylene ether sulfone) â€“ LAPONITEÂ® nanocomposites for proton exchange membranes. RSC Advances, 2017, 7, 28358-28365.	3.6	5
42	Title is missing!. Journal of Materials Science: Materials in Electronics, 1998, 9, 383-390.	2.2	4
43	Utilizing Hidden Surfaces: End-Cap Removal of Carbon Nanotubes for Improved Lithium Storage. Journal of Physical Chemistry C, 2019, 123, 6220-6228.	3.1	4
44	Tailored Assembly of Carbon Nanostructures: Tailored Assembly of Carbon Nanotubes and Graphene (Adv. Funct. Mater. 8/2011). Advanced Functional Materials, 2011, 21, 1329-1329.	14.9	2
45	Twoâ€Terminal Graphene Oxide Devices for Electrical Modulation of Broadband Terahertz Waves. Advanced Optical Materials, 2016, 4, 548-554.	7.3	2
46	N-Dopant-Mediated Growth of Metal Oxide Nanoparticles on Carbon Nanotubes. Nanomaterials, 2021, 11, 1882.	4.1	1
47	Back Cover: DNA Origami Nanopatterning on Chemically Modified Graphene (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.784314 rgBT /Over	13.8	0