

Won Jun Lee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

4,172
citations

28
h-index

51
g-index

51
ext. papers

4,533
ext. citations

10.5
avg, IF

5.36
L-index

#	Paper	IF	Citations
49	Carbon nanotube-reduced graphene oxide fiber with high torsional strength from rheological hierarchy control. <i>Nature Communications</i> , 2021 , 12, 396	17.4	10
48	Macroscopic Assembly of Sericin toward Self-Healable Silk. <i>Biomacromolecules</i> , 2021 , 22, 4337-4346	6.9	2
47	Nanoscale Assembly of 2D Materials for Energy and Environmental Applications. <i>Advanced Materials</i> , 2020 , 32, e1907006	24	45
46	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. <i>ACS Nano</i> , 2020 , 14, 5570-5580	16.7	13
45	Interfacially-grafted single-walled carbon nanotube / poly (vinyl alcohol) composite fibers. <i>Carbon</i> , 2019 , 146, 162-171	10.4	20
44	Open porous graphene nanoribbon hydrogel via additive-free interfacial self-assembly: Fast mass transport electrodes for high-performance biosensing and energy storage. <i>Energy Storage Materials</i> , 2019 , 16, 251-258	19.4	17
43	Utilizing Hidden Surfaces: End-Cap Removal of Carbon Nanotubes for Improved Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6220-6228	3.8	2
42	Porous Graphene-Carbon Nanotube Scaffolds for Fiber Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9011-9022	9.5	59
41	Joule heating-induced sp ² -restoration in graphene fibers. <i>Carbon</i> , 2019 , 142, 230-237	10.4	27
40	Layered zinc hydroxide monolayers by hydrolysis of organozincs. <i>Chemical Science</i> , 2018 , 9, 2135-2146	9.4	14
39	Dynamic assembly of liquid crystalline graphene oxide gel fibers for ion transport. <i>Science Advances</i> , 2018 , 4, eaau2104	14.3	63
38	Strengthening and Stiffening Graphene Oxide Fiber with Trivalent Metal Ion Binders. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600401	3.1	20
37	Alkylated sulfonated poly(arylene sulfone)s for proton exchange membranes. <i>Macromolecular Research</i> , 2017 , 25, 400-407	1.9	4
36	A graphene quantum dot/phthalocyanine conjugate: a synergistic catalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2017 , 7, 26113-26119	3.7	29
35	Nitrogen Dopants in Carbon Nanomaterials: Defects or a New Opportunity?. <i>Small Methods</i> , 2017 , 1, 1600014	12.8	114
34	UV-crosslinked poly(arylene ether sulfone) [LAPONITE] nanocomposites for proton exchange membranes. <i>RSC Advances</i> , 2017 , 7, 28358-28365	3.7	4
33	Strong and Stiff: High-Performance Cellulose Nanocrystal/Poly(vinyl alcohol) Composite Fibers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31500-31504	9.5	82

32	Dopant-specific unzipping of carbon nanotubes for intact crystalline graphene nanostructures. <i>Nature Communications</i> , 2016 , 7, 10364	17.4	94
31	Subnanometer Cobalt-Hydroxide-Anchored N-Doped Carbon Nanotube Forest for Bifunctional Oxygen Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1571-7	9.5	62
30	Two-Terminal Graphene Oxide Devices for Electrical Modulation of Broadband Terahertz Waves. <i>Advanced Optical Materials</i> , 2016 , 4, 548-554	8.1	2
29	Large Scale Synthesis and Light Emitting Fibers of Tailor-Made Graphene Quantum Dots. <i>Scientific Reports</i> , 2015 , 5, 14163	4.9	41
28	25th anniversary article: Chemically modified/doped carbon nanotubes & graphene for optimized nanostructures & nanodevices. <i>Advanced Materials</i> , 2014 , 26, 40-66	24	43 ²
27	N-doped graphitic self-encapsulation for high performance silicon anodes in lithium-ion batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 621-626	35.4	127
26	Carbon: 25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices (Adv. Mater. 1/2014). <i>Advanced Materials</i> , 2014 , 26, 2-2	24	6
25	Electroless Bimetal Decoration on N-Doped Carbon Nanotubes and Graphene for Oxygen Reduction Reaction Catalysts. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 965-970	3.1	19
24	Production of novel FeOOH/reduced graphene oxide hybrids and their performance as oxygen reduction reaction catalysts. <i>Carbon</i> , 2014 , 80, 127-134	10.4	35
23	Nitrogen-doped carbon nanotubes and graphene composite structures for energy and catalytic applications. <i>Chemical Communications</i> , 2014 , 50, 6818-30	5.8	361
22	Two-minute assembly of pristine large-area graphene based films. <i>Nano Letters</i> , 2014 , 14, 1388-93	11.5	85
21	Molybdenum sulfide/N-doped CNT forest hybrid catalysts for high-performance hydrogen evolution reaction. <i>Nano Letters</i> , 2014 , 14, 1228-33	11.5	554
20	Direct growth of polyaniline chains from N-doped sites of carbon nanotubes. <i>Small</i> , 2013 , 9, 3829-33	11	42
19	DNA origami nanopatterning on chemically modified graphene. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 912-5	16.4	55
18	Back Cover: DNA Origami Nanopatterning on Chemically Modified Graphene (Angew. Chem. Int. Ed. 4/2012). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1078-1078	16.4	
17	Effect of SiC Particle Size on Wear Properties of Al ₂ O ₃ /SiO ₂ /SiC/Mg Hybrid Metal Matrix Composites. <i>Tribology Letters</i> , 2012 , 45, 101-107	2.8	22
16	Biomaterialized N-doped CNT/TiO ₂ core/shell nanowires for visible light photocatalysis. <i>ACS Nano</i> , 2012 , 6, 935-43	16.7	167
15	DNA Origami Nanopatterning on Chemically Modified Graphene. <i>Angewandte Chemie</i> , 2012 , 124, 936-939	16.4	31

14	R&Ktitelbild: DNA Origami Nanopatterning on Chemically Modified Graphene (Angew. Chem. 4/2012). <i>Angewandte Chemie</i> , 2012 , 124, 1104-1104	3.6	
13	Biomimetic mineralization of vertical N-doped carbon nanotubes. <i>Chemical Communications</i> , 2011 , 47, 535-7	5.8	28
12	Transferred vertically aligned N-doped carbon nanotube arrays: use in dye-sensitized solar cells as counter electrodes. <i>Chemical Communications</i> , 2011 , 47, 4264-6	5.8	170
11	Theory, synthesis, and oxygen reduction catalysis of Fe-porphyrin-like carbon nanotube. <i>Physical Review Letters</i> , 2011 , 106, 175502	7.4	290
10	Visible-light active nanohybrid TiO ₂ /carbon photocatalysts with programmed morphology by direct carbonization of block copolymer templates. <i>Green Chemistry</i> , 2011 , 13, 3397	10	44
9	Tailored Assembly of Carbon Nanotubes and Graphene. <i>Advanced Functional Materials</i> , 2011 , 21, 1338-1354	15.6	191
8	Tailored Assembly of Carbon Nanostructures: Tailored Assembly of Carbon Nanotubes and Graphene (Adv. Funct. Mater. 8/2011). <i>Advanced Functional Materials</i> , 2011 , 21, 1329-1329	15.6	2
7	Peptide/graphene hybrid assembly into core/shell nanowires. <i>Advanced Materials</i> , 2010 , 22, 2060-4	24	230
6	Three-Dimensional Self-Assembly of Graphene Oxide Platelets into Mechanically Flexible Macroporous Carbon Films. <i>Angewandte Chemie</i> , 2010 , 122, 10282-10286	3.6	84
5	Three-dimensional self-assembly of graphene oxide platelets into mechanically flexible macroporous carbon films. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10084-8	16.4	386
4	Highly entangled carbon nanotube scaffolds by self-organized aqueous droplets. <i>Soft Matter</i> , 2009 , 5, 2343-2346	3.6	68
3	Electrical properties of the perovskite (Pb, La)TiO ₃ films deposited by electron cyclotron resonance plasma enhanced chemical vapor deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 1998 , 9, 383-390	2.1	4
2	XPS sputter depth profiling of the chemical states for SrTiO ₃ /Si interface by O ₂ ⁺ ion beams. <i>Surface and Interface Analysis</i> , 1995 , 23, 851-857	1.5	11
1	Boosting Activity and Durability of an Electrodeposited Ni(OH) ₂ Catalyst Using Carbon Nanotube-Grafted Substrates for the Alkaline Oxygen Evolution Reaction. <i>ACS Applied Nano Materials</i> ,	5.6	1