

Won Jun Lee

List of Publications by Year in descending order

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47
papers

4,845
citations

172457
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docs citations

51
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotube-reduced graphene oxide fiber with high torsional strength from rheological hierarchy control. <i>Nature Communications</i> , 2021, 12, 396.	12.8	29
2	N-Dopant-Mediated Growth of Metal Oxide Nanoparticles on Carbon Nanotubes. <i>Nanomaterials</i> , 2021, 11, 1882.	4.1	1
3	Macroscopic Assembly of Sericin toward Self-Healable Silk. <i>Biomacromolecules</i> , 2021, 22, 4337-4346.	5.4	10
4	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> , 2021, 4, 10267-10274.	5.0	7
5	Nanoscale Assembly of 2D Materials for Energy and Environmental Applications. <i>Advanced Materials</i> , 2020, 32, e1907006.	21.0	106
6	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. <i>ACS Nano</i> , 2020, 14, 5570-5580.	14.6	17
7	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.	18.0	27
8	Interfacially-grafted single-walled carbon nanotube / poly (vinyl alcohol) composite fibers. <i>Carbon</i> , 2019, 146, 162-171.	10.3	28
9	Utilizing Hidden Surfaces: End-Cap Removal of Carbon Nanotubes for Improved Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6220-6228.	3.1	4
10	Porous Graphene-Carbon Nanotube Scaffolds for Fiber Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9011-9022.	8.0	79
11	Joule heating-induced sp ² -restoration in graphene fibers. <i>Carbon</i> , 2019, 142, 230-237.	10.3	46
12	Layered zinc hydroxide monolayers by hydrolysis of organozincs. <i>Chemical Science</i> , 2018, 9, 2135-2146.	7.4	23
13	Dynamic assembly of liquid crystalline graphene oxide gel fibers for ion transport. <i>Science Advances</i> , 2018, 4, eaau2104.	10.3	90
14	Strengthening and Stiffening Graphene Oxide Fiber with Trivalent Metal Ion Binders. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600401.	2.3	24
15	Alkylated sulfonated poly(arylene sulfone)s for proton exchange membranes. <i>Macromolecular Research</i> , 2017, 25, 400-407.	2.4	5
16	A graphene quantum dot/phthalocyanine conjugate: a synergistic catalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2017, 7, 26113-26119.	3.6	37
17	Nitrogen Dopants in Carbon Nanomaterials: Defects or a New Opportunity?. <i>Small Methods</i> , 2017, 1, 1600014.	8.6	179
18	UV-crosslinked poly(arylene ether sulfone) â€“ LAPONITE® nanocomposites for proton exchange membranes. <i>RSC Advances</i> , 2017, 7, 28358-28365.	3.6	5

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19	Two-Terminal Graphene Oxide Devices for Electrical Modulation of Broadband Terahertz Waves. Advanced Optical Materials, 2016, 4, 548-554.	7.3	2
20	Strong and Stiff: High-Performance Cellulose Nanocrystal/Poly(vinyl alcohol) Composite Fibers. ACS Applied Materials & Interfaces, 2016, 8, 31500-31504.	8.0	101
21	Dopant-specific unzipping of carbon nanotubes for intact crystalline graphene nanostructures. Nature Communications, 2016, 7, 10364.	12.8	109
22	Subnanometer Cobalt-Hydroxide-Anchored N-Doped Carbon Nanotube Forest for Bifunctional Oxygen Catalyst. ACS Applied Materials & Interfaces, 2016, 8, 1571-1577.	8.0	67
23	Large Scale Synthesis and Light Emitting Fibers of Tailor-Made Graphene Quantum Dots. Scientific Reports, 2015, 5, 14163.	3.3	48
24	25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. Advanced Materials, 2014, 26, 40-67.	21.0	479
25	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
26	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
27	Electroless Bimetal Decoration on N-Doped Carbon Nanotubes and Graphene for Oxygen Reduction Reaction Catalysts. Particle and Particle Systems Characterization, 2014, 31, 965-970.	2.3	21
28	Production of novel FeOOH/reduced graphene oxide hybrids and their performance as oxygen reduction reaction catalysts. Carbon, 2014, 80, 127-134.	10.3	42
29	Nitrogen-doped carbon nanotubes and graphene composite structures for energy and catalytic applications. Chemical Communications, 2014, 50, 6818.	4.1	428
30	Two-Minute Assembly of Pristine Large-Area Graphene Based Films. Nano Letters, 2014, 14, 1388-1393.	9.1	92
31	Molybdenum Sulfide/N-Doped CNT Forest Hybrid Catalysts for High-Performance Hydrogen Evolution Reaction. Nano Letters, 2014, 14, 1228-1233.	9.1	634
32	Direct Growth of Polyaniline Chains from N-Doped Sites of Carbon Nanotubes. Small, 2013, 9, 3829-3833.	10.0	49
33	Biomaterialized N-Doped CNT/TiO ₂ Core/Shell Nanowires for Visible Light Photocatalysis. ACS Nano, 2012, 6, 935-943.	14.6	186
34	DNA Origami Nanopatterning on Chemically Modified Graphene. Angewandte Chemie - International Edition, 2012, 51, 912-915.	13.8	59
35	Back Cover: DNA Origami Nanopatterning on Chemically Modified Graphene (Angew. Chem. Int. Ed.)	13.8	80
36	Effect of SiC Particle Size on Wear Properties of Al ₂ O ₃ -SiO ₂ /SiC/Mg Hybrid Metal Matrix Composites. Tribology Letters, 2012, 45, 101-107.	2.6	26

#	ARTICLE	IF	CITATIONS
37	Biomimetic mineralization of vertical N-doped carbon nanotubes. Chemical Communications, 2011, 47, 535-537.	4.1	31
38	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
39	Theory, Synthesis, and Oxygen Reduction Catalysis of Fe-Porphyrin-Like Carbon Nanotube. Physical Review Letters, 2011, 106, 175502.	7.8	317
40	Visible-light active nanohybrid TiO ₂ /carbon photocatalysts with programmed morphology by direct carbonization of block copolymer templates. Green Chemistry, 2011, 13, 3397.	9.0	44
41	Tailored Assembly of Carbon Nanotubes and Graphene. Advanced Functional Materials, 2011, 21, 1338-1354.	14.9	207
42	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
43	Peptide/Graphene Hybrid Assembly into Core/Shell Nanowires. Advanced Materials, 2010, 22, 2060-2064.	21.0	248
44	Three-dimensional Self-assembly of Graphene Oxide Platelets into Mechanically Flexible Macroporous Carbon Films. Angewandte Chemie - International Edition, 2010, 49, 10084-10088.	13.8	404
45	Highly entangled carbon nanotube scaffolds by self-organized aqueous droplets. Soft Matter, 2009, 5, 2343-2346.	2.7	70
46	Title is missing!. Journal of Materials Science: Materials in Electronics, 1998, 9, 383-390.	2.2	4
47	XPS sputter depth profiling of the chemical states for SrTiO ₃ /Si interface by O ₂ ⁺ ion beams. Surface and Interface Analysis, 1995, 23, 851-857.	1.8	13