

Sun-Min Jung

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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.

41
papers

5,050
citations

24
h-index

42
g-index

42
ext. papers

5,779
ext. citations

12.2
avg, IF

5.35
L-index

#	Paper	IF	Citations
41	Fused aromatic networks with the different spatial arrangement of structural units. <i>Cell Reports Physical Science</i> , 2021 , 100502	6.1	0
40	Forming indium-carbon (InC) bonds at the edges of graphitic nanoplatelets. <i>Materials Today Advances</i> , 2020 , 6, 100030	7.4	4
39	Paramagnetic Carbon Nanosheets with Random Hole Defects and Oxygenated Functional Groups. <i>Angewandte Chemie</i> , 2019 , 131, 11796-11801	3.6	1
38	Paramagnetic Carbon Nanosheets with Random Hole Defects and Oxygenated Functional Groups. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11670-11675	16.4	4
37	Edge-thionic acid-functionalized graphene nanoplatelets as anode materials for high-rate lithium ion batteries. <i>Nano Energy</i> , 2019 , 62, 419-425	17.1	16
36	Oxidative Dehydrogenation of Ethylbenzene into Styrene by Fe-Graphitic Catalysts. <i>ACS Nano</i> , 2019 , 13, 5893-5899	16.7	12
35	Innentitelbild: Paramagnetic Carbon Nanosheets with Random Hole Defects and Oxygenated Functional Groups (Angew. Chem. 34/2019). <i>Angewandte Chemie</i> , 2019 , 131, 11668-11668	3.6	
34	Direct Synthesis of a Covalent Triazine-Based Framework from Aromatic Amides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8438-8442	16.4	129
33	Direct Synthesis of a Covalent Triazine-Based Framework from Aromatic Amides. <i>Angewandte Chemie</i> , 2018 , 130, 8574-8578	3.6	29
32	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. <i>Angewandte Chemie</i> , 2018 , 130, 3473-3478	3.6	4
31	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3415-3420	16.4	34
30	Boron-nitrogen-phosphorous doped graphene nanoplatelets for enhanced electrocatalytic activity. <i>European Polymer Journal</i> , 2018 , 99, 511-517	5.2	14
29	Defect-Free Encapsulation of Fe in 2D Fused Organic Networks as a Durable Oxygen Reduction Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1737-1742	16.4	103
28	Fe@C ₂ N: A highly-efficient indirect-contact oxygen reduction catalyst. <i>Nano Energy</i> , 2018 , 44, 304-310	17.1	85
27	Controlled Fabrication of Hierarchically Structured Nitrogen-Doped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , 2017 , 27, 1605717	15.6	62
26	Electrocatalysts: Controlled Fabrication of Hierarchically Structured Nitrogen-Doped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst (Adv. Funct. Mater. 9/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
25	Heavily aluminated graphene nanoplatelets as an efficient flame-retardant. <i>Carbon</i> , 2017 , 116, 77-83	10.4	32

24	An efficient and pH-universal ruthenium-based catalyst for the hydrogen evolution reaction. <i>Nature Nanotechnology</i> , 2017 , 12, 441-446	28.7	857
23	One-Pot Purification and Iodination of Waste Kish Graphite into High-Quality Electrocatalyst. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600426	3.1	4
22	Nitrogen-rich two-dimensional porous polybenzimidazole network as a durable metal-free electrocatalyst for a cobalt reduction reaction in organic dye-sensitized solar cells. <i>Nano Energy</i> , 2017 , 34, 533-540	17.1	11
21	Forming a three-dimensional porous organic network via solid-state explosion of organic single crystals. <i>Nature Communications</i> , 2017 , 8, 1599	17.4	9
20	Macroporous Inverse Opal-like MoC with Incorporated Mo Vacancies for Significantly Enhanced Hydrogen Evolution. <i>ACS Nano</i> , 2017 , 11, 7527-7533	16.7	84
19	Edge-selenated graphene nanoplatelets as durable metal-free catalysts for iodine reduction reaction in dye-sensitized solar cells. <i>Science Advances</i> , 2016 , 2, e1501459	14.3	76
18	Two-dimensional polyaniline (C3N) from carbonized organic single crystals in solid state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7414-9	11.5	278
17	Unusually Stable Triazine-based Organic Superstructures. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7413-7	16.4	4
16	Unusually Stable Triazine-based Organic Superstructures. <i>Angewandte Chemie</i> , 2016 , 128, 7539-7543	3.6	1
15	Metalloid tellurium-doped graphene nanoplatelets as ultimately stable electrocatalysts for cobalt reduction reaction in dye-sensitized solar cells. <i>Nano Energy</i> , 2016 , 30, 867-876	17.1	37
14	Nitrogenated holey two-dimensional structures. <i>Nature Communications</i> , 2015 , 6, 6486	17.4	684
13	Cobalt Oxide Encapsulated in C2N-h2D Network Polymer as a Catalyst for Hydrogen Evolution. <i>Chemistry of Materials</i> , 2015 , 27, 4860-4864	9.6	105
12	Antimony-doped graphene nanoplatelets. <i>Nature Communications</i> , 2015 , 6, 7123	17.4	68
11	Graphene nanoplatelets doped with N at its edges as metal-free cathodes for organic dye-sensitized solar cells. <i>Advanced Materials</i> , 2014 , 26, 3055-62	24	132
10	Direct solvothermal synthesis of B/N-doped graphene. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2398-401	16.4	57
9	B-Doped Graphene as an Electrochemically Superior Metal-Free Cathode Material As Compared to Pt over a Co(II)/Co(III) Electrolyte for Dye-Sensitized Solar Cell. <i>Chemistry of Materials</i> , 2014 , 26, 3586-3591	8.6	53
8	Direct Solvothermal Synthesis of B/N-Doped Graphene. <i>Angewandte Chemie</i> , 2014 , 126, 2430-2433	3.6	11
7	The oxidation mechanism of highly ordered pyrolytic graphite in a nitric acid/sulfuric acid mixture. <i>Carbon</i> , 2013 , 52, 493-498	10.4	46

6	Large-scale production of edge-selectively functionalized graphene nanoplatelets via ball milling and their use as metal-free electrocatalysts for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1386-93	16.4	497
5	Facile, scalable synthesis of edge-halogenated graphene nanoplatelets as efficient metal-free electrocatalysts for oxygen reduction reaction. <i>Scientific Reports</i> , 2013 , 3, 1810	4.9	278
4	Direct nitrogen fixation at the edges of graphene nanoplatelets as efficient electrocatalysts for energy conversion. <i>Scientific Reports</i> , 2013 , 3, 2260	4.9	179
3	Graphene for energy conversion and storage in fuel cells and supercapacitors. <i>Nano Energy</i> , 2012 , 1, 534-551	17.5	548
2	Large clusters and hollow microfibers by multicomponent self-assembly of citrate stabilized gold nanoparticles with temperature-responsive amphiphilic dendrimers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13365		5
1	Edge-carboxylated graphene nanosheets via ball milling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5588-93	11.5	496