

# Seok-Jin Kim

## List of Publications by Citations

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26  
papers

2,080  
citations

14  
h-index

27  
g-index

27  
ext. papers

2,705  
ext. citations

17.2  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
26	An efficient and pH-universal ruthenium-based catalyst for the hydrogen evolution reaction. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 441-446	28.7	857
25	Boosting oxygen reduction catalysis with abundant copper single atom active sites. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2263-2269	35.4	301
24	Ruthenium anchored on carbon nanotube electrocatalyst for hydrogen production with enhanced Faradaic efficiency. <i>Nature Communications</i> , <b>2020</b> , 11, 1278	17.4	156
23	Building and identifying highly active oxygenated groups in carbon materials for oxygen reduction to HO. <i>Nature Communications</i> , <b>2020</b> , 11, 2209	17.4	107
22	Cobalt Oxide Encapsulated in C <sub>2</sub> N-h <sub>2</sub> D Network Polymer as a Catalyst for Hydrogen Evolution. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4860-4864	9.6	105
21	Defect-Free Encapsulation of Fe in 2D Fused Organic Networks as a Durable Oxygen Reduction Electrocatalyst. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1737-1742	16.4	103
20	Macroporous Inverse Opal-like MoC with Incorporated Mo Vacancies for Significantly Enhanced Hydrogen Evolution. <i>ACS Nano</i> , <b>2017</b> , 11, 7527-7533	16.7	84
19	Encapsulating Iridium Nanoparticles Inside a 3D Cage-Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805606	24	69
18	Mechanochemistry for ammonia synthesis under mild conditions. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 325-330	38.9	51
17	Identifying the structure of Zn-N active sites and structural activation. <i>Nature Communications</i> , <b>2019</b> , 10, 2623	17.4	50
16	Understanding of the capacity contribution of carbon in phosphorus-carbon composites for high-performance anodes in lithium ion batteries. <i>Nano Research</i> , <b>2017</b> , 10, 1268-1281	10	36
15	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3415-3420	16.4	34
14	Revealing Isolated M-N C Active Sites for Efficient Collaborative Oxygen Reduction Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23678-23683	16.4	30
13	Low-Temperature Conversion of Alcohols into Bulky Nanoporous Graphene and Pure Hydrogen with Robust Selectivity on CaO. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807267	24	16
12	Metalated graphene nanoplatelets and their uses as anode materials for lithium-ion batteries. <i>2D Materials</i> , <b>2017</b> , 4, 014002	5.9	13
11	Oxidative Dehydrogenation of Ethylbenzene into Styrene by Fe-Graphitic Catalysts. <i>ACS Nano</i> , <b>2019</b> , 13, 5893-5899	16.7	12
10	Abrading bulk metal into single atoms.. <i>Nature Nanotechnology</i> , <b>2022</b> ,	28.7	12

9	Forming a three-dimensional porous organic network via solid-state explosion of organic single crystals. <i>Nature Communications</i> , <b>2017</b> , 8, 1599	17.4	9
8	Dissociating stable nitrogen molecules under mild conditions by cyclic strain engineering. <i>Science Advances</i> , <b>2019</b> , 5, eaax8275	14.3	8
7	Revealing Isolated Mn <sub>3</sub> C <sub>1</sub> Active Sites for Efficient Collaborative Oxygen Reduction Catalysis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 23886-23891	3.6	8
6	Tuning edge-oxygenated groups on graphitic carbon materials against corrosion. <i>Nano Energy</i> , <b>2019</b> , 66, 104112	17.1	7
5	Fused Aromatic Network with Exceptionally High Carrier Mobility. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004707	24	6
4	A Robust 3D Cage-like Ultramicroporous Network Structure with High Gas-Uptake Capacity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3473-3478	3.6	4
3	Hydrogen Evolution Reaction: Encapsulating Iridium Nanoparticles Inside a 3D Cage-Like Organic Network as an Efficient and Durable Catalyst for the Hydrogen Evolution Reaction (Adv. Mater. 52/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870401	24	2
2	Fused aromatic networks with the different spatial arrangement of structural units. <i>Cell Reports Physical Science</i> , <b>2021</b> , 100502	6.1	0
1	Fused Aromatic Network Structures: Fused Aromatic Network with Exceptionally High Carrier Mobility (Adv. Mater. 9/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170063	24	