

# Kisun Kim

## List of Publications by Year in descending order

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18  
papers

491  
citations

623734

14  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving intrinsic electrocatalytic activity of layered transition metal chalcogenides as electrocatalysts for water splitting. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 100982.	4.8	7
2	Boosting bifunctional oxygen electrocatalysis of graphitic C <sub>3</sub> N <sub>4</sub> using non-covalently functionalized non-oxidized graphene aerogels as catalyst supports. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15689-15697.	10.3	7
3	3D ordered nanoelectrodes for energy conversion applications: thermoelectric, piezoelectric, and electrocatalytic applications. <i>Journal of the Korean Ceramic Society</i> , 2021, 58, 379-398.	2.3	12
4	Fundamental principles and development of proximity-field nanopatterning toward advanced 3D nanofabrication. <i>Nano Research</i> , 2021, 14, 2965-2980.	10.4	21
5	Significantly Enhanced Thermoelectric Performance of Graphene through Atomic-Scale Defect Engineering via Mobile Hot-Wire Chemical Vapor Deposition Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24304-24313.	8.0	8
6	Continuous 3D-nanopatterned Ni-Mo solid solution as a free-standing electrocatalyst for the hydrogen evolution reaction in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7767-7773.	10.3	17
7	Breaking the elastic limit of piezoelectric ceramics using nanostructures: A case study using ZnO. <i>Nano Energy</i> , 2020, 78, 105259.	16.0	23
8	Conformally Coated Nickel Phosphide on 3D, Ordered Nanoporous Nickel for Highly Active and Durable Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17116-17123.	6.7	24
9	High-performance functional nanocomposites using 3D ordered and continuous nanostructures generated from proximity-field nanopatterning. <i>Functional Composites and Structures</i> , 2019, 1, 032002.	3.4	27
10	Improving electrochemical active area of MoS <sub>2</sub> via attached on 3D-ordered structures for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28143-28150.	7.1	27
11	2D and 3D nanostructuring strategies for thermoelectric materials. <i>Nanoscale</i> , 2019, 11, 19684-19699.	5.6	54
12	Anomalous thermoelectricity of pure ZnO from 3D continuous ultrathin nanoshell structures. <i>Nanoscale</i> , 2018, 10, 3046-3052.	5.6	35
13	Emergence of New Density-Strength Scaling Law in 3D Hollow Ceramic Nanoarchitectures. <i>Small</i> , 2018, 14, e1802239.	10.0	21
14	3D ordered carbon/SnO <sub>2</sub> hybrid nanostructures for energy storage applications. <i>Electrochimica Acta</i> , 2018, 288, 108-114.	5.2	26
15	Low-Cost Black Phosphorus Nanofillers for Improved Thermoelectric Performance in PEDOT:PSS Composite Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17957-17962.	8.0	42
16	Monolithic Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>3</sub> ternary alloys with a periodic 3D nanostructure for enhancing thermoelectric performance. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8974-8980.	5.5	32
17	Strength dependence of epoxy composites on the average filler size of non-oxidized graphene flake. <i>Carbon</i> , 2017, 113, 379-386.	10.3	63
18	Rapid, High-Resolution 3D Interference Printing of Multilevel Ultralong Nanochannel Arrays for High-Throughput Nanofluidic Transport. <i>Advanced Materials</i> , 2015, 27, 8000-8006.	21.0	45