

# Gayea Hyun

## List of Publications by Year in descending order

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12  
papers

360  
citations

759233

12  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolithic Lead Halide Perovskite Photoelectrochemical Cell with 9.16% Applied Bias Photon-to-Current Efficiency. <i>ACS Energy Letters</i> , 2022, 7, 320-327.	17.4	19
2	Three-Dimensional, Submicron Porous Electrode with a Density Gradient to Enhance Charge Carrier Transport. <i>ACS Nano</i> , 2022, 16, 9762-9771.	14.6	17
3	3D periodic polyimide nano-networks for ultrahigh-rate and sustainable energy storage. <i>Energy and Environmental Science</i> , 2021, 14, 5894-5902.	30.8	26
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	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
6	Hierarchically porous Au nanostructures with interconnected channels for efficient mass transport in electrocatalytic CO <sub>2</sub> reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5680-5685.	7.1	97
7	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
8	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
9	Highly Efficient UV-Visible Photocatalyst from Monolithic 3D Titania/Graphene Quantum Dot Heterostructure Linked by Aminosilane. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900084.	5.3	22
10	Suppressing buoyant force: New avenue for long-term durability of oxygen evolution catalysts. <i>Nano Energy</i> , 2018, 54, 184-191.	16.0	33
11	3D ordered carbon/SnO <sub>2</sub> hybrid nanostructures for energy storage applications. <i>Electrochimica Acta</i> , 2018, 288, 108-114.	5.2	26
12	Direct Optical Fabrication of Fluorescent, Multilevel 3D Nanostructures for Highly Efficient Chemosensing Platforms. <i>Advanced Functional Materials</i> , 2016, 26, 7170-7177.	14.9	28