

Gayea Hyun

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

360
citations

759233

12
h-index

1199594

12
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12
all docs

12
docs citations

12
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchically porous Au nanostructures with interconnected channels for efficient mass transport in electrocatalytic CO ₂ reduction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5680-5685.	7.1	97
2	Suppressing buoyant force: New avenue for long-term durability of oxygen evolution catalysts. Nano Energy, 2018, 54, 184-191.	16.0	33
3	Direct Optical Fabrication of Fluorescent, Multilevel 3D Nanostructures for Highly Efficient Chemosensing Platforms. Advanced Functional Materials, 2016, 26, 7170-7177.	14.9	28
4	High-performance functional nanocomposites using 3D ordered and continuous nanostructures generated from proximity-field nanopatterning. Functional Composites and Structures, 2019, 1, 032002.	3.4	27
5	Improving electrochemical active area of MoS ₂ via attached on 3D-ordered structures for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 28143-28150.	7.1	27
6	3D ordered carbon/SnO ₂ hybrid nanostructures for energy storage applications. Electrochimica Acta, 2018, 288, 108-114.	5.2	26
7	3D periodic polyimide nano-networks for ultrahigh-rate and sustainable energy storage. Energy and Environmental Science, 2021, 14, 5894-5902.	30.8	26
8	Highly Efficient UV-Visible Photocatalyst from Monolithic 3D Titania/Graphene Quantum Dot Heterostructure Linked by Aminosilane. Advanced Sustainable Systems, 2019, 3, 1900084.	5.3	22
9	Fundamental principles and development of proximity-field nanopatterning toward advanced 3D nanofabrication. Nano Research, 2021, 14, 2965-2980.	10.4	21
10	Monolithic Lead Halide Perovskite Photoelectrochemical Cell with 9.16% Applied Bias Photon-to-Current Efficiency. ACS Energy Letters, 2022, 7, 320-327.	17.4	19
11	Continuous 3D-nanopatterned Ni-Mo solid solution as a free-standing electrocatalyst for the hydrogen evolution reaction in alkaline medium. Journal of Materials Chemistry A, 2021, 9, 7767-7773.	10.3	17
12	Three-Dimensional, Submicron Porous Electrode with a Density Gradient to Enhance Charge Carrier Transport. ACS Nano, 2022, 16, 9762-9771.	14.6	17