

Minsu Gu

List of Publications by Year in descending order

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23
papers

1,090
citations

516215

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642321

23
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all docs

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docs citations

26
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Layer-by-Layer Assembly for Graphene-Based Multilayer Nanocomposites: Synthesis and Applications. Chemistry of Materials, 2015, 27, 3785-3796.	3.2	225
2	Stretchable batteries with gradient multilayer conductors. Science Advances, 2019, 5, eaaw1879.	4.7	100
3	Functionalized Nanocellulose-Integrated Heterolayered Nanomats toward Smart Battery Separators. Nano Letters, 2016, 16, 5533-5541.	4.5	96
4	Tailorable Electrocatalytic 5-Hydroxymethylfurfural Oxidation and H ₂ Production: Architecture-Performance Relationship in Bifunctional Multilayer Electrodes. ACS Nano, 2020, 14, 6812-6822.	7.3	81
5	Inhibiting the shuttle effect in lithium-sulfur batteries using a layer-by-layer assembled ion-permselective separator. RSC Advances, 2014, 4, 46940-46946.	1.7	68
6	Layer-by-Layer Assembly of Polyoxometalates for Photoelectrochemical (PEC) Water Splitting: Toward Modular PEC Devices. ACS Applied Materials & Interfaces, 2017, 9, 40151-40161.	4.0	61
7	Graphene Multilayer Supported Gold Nanoparticles for Efficient Electrocatalysts Toward Methanol Oxidation. Advanced Energy Materials, 2012, 2, 1510-1518.	10.2	54
8	Surface dipole enhanced instantaneous charge pair generation in triboelectric nanogenerator. Nano Energy, 2016, 26, 360-370.	8.2	54
9	Layer-by-Layer Assembly for Graphene-Based Multilayer Nanocomposites: The Field Manual. Chemistry of Materials, 2017, 29, 69-79.	3.2	52
10	Double locked silver-coated silicon nanoparticle/graphene core/shell fiber for high-performance lithium-ion battery anodes. Journal of Power Sources, 2015, 300, 351-357.	4.0	45
11	Interface Engineering of Hematite with Nacre-like Catalytic Multilayers for Solar Water Oxidation. ACS Nano, 2019, 13, 467-475.	7.3	43
12	Ultrathin Supercapacitor Electrode Based on Reduced Graphene Oxide Nanosheets Assembled with Photo-Cross-Linkable Polymer: Conversion of Electrochemical Kinetics in Ultrathin Films. Chemistry of Materials, 2015, 27, 7982-7989.	3.2	34
13	Dual-Functional Electrolyte Additives toward Long-Cycling Lithium-Ion Batteries: Ecofriendly Designed Carbonate Derivatives. ACS Applied Materials & Interfaces, 2020, 12, 24479-24487.	4.0	30
14	Layer-by-layer assembly for photoelectrochemical nanoarchitectonics. Molecular Systems Design and Engineering, 2019, 4, 65-77.	1.7	25
15	Diffusion controlled multilayer electrocatalysts via graphene oxide nanosheets of varying sizes. Nanoscale, 2018, 10, 16159-16168.	2.8	22
16	Modulating Charge Separation Efficiency of Water Oxidation Photoanodes with Polyelectrolyte-Assembled Interfacial Dipole Layers. Advanced Functional Materials, 2020, 30, 1908492.	7.8	21
17	Versatile graphene oxide nanosheets via covalent functionalization and their applications. Materials Chemistry Frontiers, 2021, 5, 4424-4444.	3.2	18
18	Modulating charge carriers in carbon dots toward efficient solar energy conversion. , 2021, 3, 590-614.		18

#	ARTICLE	IF	CITATIONS
19	Electrochemistry of Multilayer Electrodes: From the Basics to Energy Applications. <i>Accounts of Chemical Research</i> , 2021, 54, 57-69.	7.6	16
20	Unraveling the importance of controlled architecture in bimetallic multilayer electrode toward efficient electrocatalyst. <i>Nano Energy</i> , 2016, 30, 658-666.	8.2	13
21	Bifunctional Water Splitting Photoelectrocatalysts Using Flexible Organometallic Complex and Nanographene Multilayer Thin Films. <i>ACS Applied Energy Materials</i> , 2020, 3, 7103-7112.	2.5	5
22	Structure-tunable supraparticle assemblies of hollow cupric oxide sheathed with nanographenes. <i>Nanoscale Advances</i> , 2020, 2, 1236-1244.	2.2	5
23	Exploring the Role of Surface States in Emissive Carbon Nanodots: Analysis at Single-Particle Level. <i>Chemistry - an Asian Journal</i> , 2021, 16, 4155-4164.	1.7	2