

Minsu Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5396885/publications.pdf>

Version: 2024-02-01

23
papers

1,090
citations

516215

16
h-index

642321

23
g-index

26
all docs

26
docs citations

26
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemistry of Multilayer Electrodes: From the Basics to Energy Applications. Accounts of Chemical Research, 2021, 54, 57-69.	7.6	16
2	Versatile graphene oxide nanosheets via covalent functionalization and their applications. Materials Chemistry Frontiers, 2021, 5, 4424-4444.	3.2	18
3	Modulating charge carriers in carbon dots toward efficient solar energy conversion. , 2021, 3, 590-614.		18
4	Exploring the Role of Surface States in Emissive Carbon Nanodots: Analysis at Single-Particle Level. Chemistry - an Asian Journal, 2021, 16, 4155-4164.	1.7	2
5	Modulating Charge Separation Efficiency of Water Oxidation Photoanodes with Polyelectrolyte-Assembled Interfacial Dipole Layers. Advanced Functional Materials, 2020, 30, 1908492.	7.8	21
6	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
7	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
8	Bifunctional Water Splitting Photoelectrocatalysts Using Flexible Organometallic Complex and Nanographene Multilayer Thin Films. ACS Applied Energy Materials, 2020, 3, 7103-7112.	2.5	5
9	Structure-tunable supraparticle assemblies of hollow cupric oxide sheathed with nanographenes. Nanoscale Advances, 2020, 2, 1236-1244.	2.2	5
10	Stretchable batteries with gradient multilayer conductors. Science Advances, 2019, 5, eaaw1879.	4.7	100
11	Layer-by-layer assembly for photoelectrochemical nanoarchitectonics. Molecular Systems Design and Engineering, 2019, 4, 65-77.	1.7	25
12	Interface Engineering of Hematite with Nacre-like Catalytic Multilayers for Solar Water Oxidation. ACS Nano, 2019, 13, 467-475.	7.3	43
13	Diffusion controlled multilayer electrocatalysts via graphene oxide nanosheets of varying sizes. Nanoscale, 2018, 10, 16159-16168.	2.8	22
14	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
15	Layer-by-Layer Assembly for Graphene-Based Multilayer Nanocomposites: The Field Manual. Chemistry of Materials, 2017, 29, 69-79.	3.2	52
16	Functionalized Nanocellulose-Integrated Heterolayered Nanomats toward Smart Battery Separators. Nano Letters, 2016, 16, 5533-5541.	4.5	96
17	Unraveling the importance of controlled architecture in bimetallic multilayer electrode toward efficient electrocatalyst. Nano Energy, 2016, 30, 658-666.	8.2	13
18	Surface dipole enhanced instantaneous charge pair generation in triboelectric nanogenerator. Nano Energy, 2016, 26, 360-370.	8.2	54

#	ARTICLE	IF	CITATIONS
19	Ultrathin Supercapacitor Electrode Based on Reduced Graphene Oxide Nanosheets Assembled with Photo-Cross-Linkable Polymer: Conversion of Electrochemical Kinetics in Ultrathin Films. <i>Chemistry of Materials</i> , 2015, 27, 7982-7989.	3.2	34
20	Layer-by-Layer Assembly for Graphene-Based Multilayer Nanocomposites: Synthesis and Applications. <i>Chemistry of Materials</i> , 2015, 27, 3785-3796.	3.2	225
21	Double locked silver-coated silicon nanoparticle/graphene core/shell fiber for high-performance lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2015, 300, 351-357.	4.0	45
22	Inhibiting the shuttle effect in lithium-sulfur batteries using a layer-by-layer assembled ion-permselective separator. <i>RSC Advances</i> , 2014, 4, 46940-46946.	1.7	68
23	Graphene Multilayer Supported Gold Nanoparticles for Efficient Electrocatalysts Toward Methanol Oxidation. <i>Advanced Energy Materials</i> , 2012, 2, 1510-1518.	10.2	54