

# Kaiqi Nie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2945876/publications.pdf>

Version: 2024-02-01

28  
papers

4,372  
citations

257357

24  
h-index

501076

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

8129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Water Oxidation of Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>2</sub> TiO <sub>5</sub> Photoanode by Functionalizing with a Hydrophilic Organic Hole Storage Overlayer. ACS Catalysis, 2022, 12, 7833-7842.	5.5	36
2	The Doping Mechanism of Halide Perovskite Unveiled by Alkaline Earth Metals. Journal of the American Chemical Society, 2020, 142, 2364-2374.	6.6	132
3	Real-time interface investigation on degradation mechanism of organic light-emitting diode by in-operando X-ray spectroscopies. Organic Electronics, 2020, 87, 105901.	1.4	2
4	Intermetallic PtBi core/ultrathin Pt shell nanoplates for efficient and stable methanol and ethanol electro-oxidation. Nano Research, 2019, 12, 429-436.	5.8	76
5	Lithium nitrate: A double-edged sword in the rechargeable lithium-sulfur cell. Energy Storage Materials, 2019, 16, 498-504.	9.5	39
6	Ultrafast All-Solid-State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. Advanced Energy Materials, 2018, 8, 1702946.	10.2	86
7	Electrochemical CO <sub>2</sub> Reduction with Atomic Iron Dispersed on Nitrogen-Doped Graphene. Advanced Energy Materials, 2018, 8, 1703487.	10.2	369
8	Atomic-scale understanding of the electronic structure-crystal facets synergy of nanopyramidal CoPi/BiVO <sub>4</sub> hybrid photocatalyst for efficient solar water oxidation. Nano Energy, 2018, 53, 483-491.	8.2	31
9	Hollow NiFe <sub>2</sub> O <sub>4</sub> nanospheres on carbon nanorods as a highly efficient anode material for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 5007-5012.	5.2	77
10	Sn nanoparticles@nitrogen-doped carbon nanofiber composites as high-performance anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 6277-6283.	5.2	91
11	Phosphorus-Mo <sub>2</sub> C@carbon nanowires toward efficient electrochemical hydrogen evolution: composition, structural and electronic regulation. Energy and Environmental Science, 2017, 10, 1262-1271.	15.6	379
12	Orientation and Ordering of Organic and Hybrid Inorganic-Organic Polyurea Films Using Molecular Layer Deposition. Journal of Physical Chemistry C, 2017, 121, 11757-11764.	1.5	13
13	High Efficiency Photocatalytic Water Splitting Using 2D Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Z-Scheme Catalysts. Advanced Energy Materials, 2017, 7, 1700025.	10.2	664
14	Lowering the Onset Potential of Fe <sub>2</sub> TiO <sub>5</sub> /Fe <sub>2</sub> O <sub>3</sub> Photoanodes by Interface Structures: F- and Rh-Based Treatments. ACS Catalysis, 2017, 7, 4062-4069.	5.5	61
15	Fe <sub>2</sub> TiO <sub>5</sub> -incorporated hematite with surface P-modification for high-efficiency solar water splitting. Nano Energy, 2017, 32, 526-532.	8.2	50
16	Supported Cobalt Polyphthalocyanine for High-Performance Electrocatalytic CO <sub>2</sub> Reduction. Chem, 2017, 3, 652-664.	5.8	406
17	Renal-Clearable Ultrasmall Coordination Polymer Nanodots for Chelator-Free <sup>64</sup> Cu-Labeling and Imaging-Guided Enhanced Radiotherapy of Cancer. ACS Nano, 2017, 11, 9103-9111.	7.3	73
18	Synergistic Effects in CNTs-PdAu/Pt Trimetallic Nanoparticles with High Electrocatalytic Activity and Stability. Nano-Micro Letters, 2017, 9, 48.	14.4	45

#	ARTICLE	IF	CITATIONS
19	Interfacial Insight from Operando XAS/TEM for Magnesium Metal Deposition with Borohydride Electrolytes. <i>Chemistry of Materials</i> , 2017, 29, 7183-7188.	3.2	36
20	Amorphous MoS <sub>3</sub> Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodium-Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. <i>Advanced Energy Materials</i> , 2017, 7, 1601602.	10.2	164
21	Safe and Durable High-Temperature Lithium-Sulfur Batteries via Molecular Layer Deposited Coating. <i>Nano Letters</i> , 2016, 16, 3545-3549.	4.5	157
22	Self-supported ultrathin mesoporous CoFe <sub>2</sub> O <sub>4</sub> /CoO nanosheet arrays assembled from nanowires with enhanced lithium storage performance. <i>Journal of Materials Science</i> , 2016, 51, 6590-6599.	1.7	16
23	Electronic structure of formamidinium ions in lead triiodide perovskites. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 677-681.	1.2	8
24	Mo <sub>2</sub> C Nanoparticles Dispersed on Hierarchical Carbon Microflowers for Efficient Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2016, 10, 11337-11343.	7.3	483
25	Metallic Cobalt Nanoparticles Encapsulated in Nitrogen-Enriched Graphene Shells: Its Bifunctional Electrocatalysis and Application in Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 4397-4404.	7.8	350
26	Spectroscopic Investigation of Plasma-Fluorinated Monolayer Graphene and Application for Gas Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8652-8661.	4.0	77
27	<i>Operando</i> Spectroscopic Analysis of an Amorphous Cobalt Sulfide Hydrogen Evolution Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 7448-7455.	6.6	330
28	Thin-Layer Fe <sub>2</sub> TiO <sub>5</sub> on Hematite for Efficient Solar Water Oxidation. <i>ACS Nano</i> , 2015, 9, 5348-5356.	7.3	121