Mengfei Zhang

List of Publications by Year
in descending order

25 papers	604 citations	687220 13 h-index	713332 21 g-index
25 all docs	25 docs citations	25 times ranked	431 citing authors

#	Article	IF	Citations
1	Recent progress in ammonia fuel cells and their potential applications. Journal of Materials Chemistry A, 2021, 9, 727-752.	5.2	177
2	Recent development of perovskite oxide-based electrocatalysts and their applications in low to intermediate temperature electrochemical devices. Materials Today, 2021, 49, 351-377.	8.3	91
3	Historical development and novel concepts on electrolytes for aqueous rechargeable batteries. Energy and Environmental Science, 2022, 15, 1805-1839.	15.6	71
4	An Efficient Symmetric Electrolyzer Based On Bifunctional Perovskite Catalyst for Ammonia Electrolysis. Advanced Science, 2021, 8, e2101299.	5.6	34
5	A high-performance TiO₂nanowire UV detector assembled by electrospinning. RSC Advances, 2017, 7, 26220-26225.	1.7	30
6	Acetate-based â€˜oversaturated gel electrolyteâ€™ enabling highly stable aqueous Zn-MnO2 battery. Energy Storage Materials, 2021, 42, 240-251.	9.5	25
7	High photodetectivity of low-voltage flexible photodetectors assembled with hybrid aligned nanowire arrays. Journal of Materials Chemistry C, 2018, 6, 6510-6519.	2.7	23
8	Electricity Generation from Ammonia in Landfill Leachate by an Alkaline Membrane Fuel Cell Based on Precious-Metal-Free Electrodes. ACS Sustainable Chemistry and Engineering, 2020, 8, 12817-12824.	3.2	20
9	Oxygen Vacancyâ€Rich La_{0.5}Sr_{1.5}Ni_{0.9}Cu_{0.1}O_{4â€“Î´} as a Highâ€Performance Bifunctional Catalyst for Symmetric Ammonia Electrolyzer. Advanced Functional Materials, 2022, 32, .	7.8	19
10	Indium-doped SnO2 nanobelts for high-performance transparent and flexible photosensors by a facile assembly. Nanotechnology, 2017, 28, 335705.	1.3	16
11	Synergetic Enhancement in Photosensitivity and Flexibility of Photodetectors Based on Hybrid Nanobelt Network. Advanced Materials Interfaces, 2017, 4, 1700909.	1.9	15
12	Evaluation of Phase Transformation and Mechanical Properties of Metastable Yttria-Stabilized Zirconia by Nanoindentation. Materials, 2019, 12, 1677.	1.3	15
13	Oneâ€dimensional electrospun ceramic nanomaterials and their sensing applications. Journal of the American Ceramic Society, 2022, 105, 765-785.	1.9	15
14	N,N-Dimethylacetamide-Diluted Nitrate Electrolyte for Aqueous Zn//LiMn₂O₄ Hybrid Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 46634-46643.	4.0	14
15	Electrooxidation of ammonia on A-site deficient perovskite oxide La0.9Ni0.6Cu0.35Fe0.05O3-Î´ for wastewater treatment. Separation and Purification Technology, 2022, 297, 121451.	3.9	13
16	A Novel Inorganic Niâ€“La₂O₃ Composite with Superfast and Versatile Water Purification Behavior. ACS Applied Materials & Interfaces, 2018, 10, 43723-43729.	4.0	8
17	High photosensitivity and external quantum efficiency photosensors achieved by a cable like nanoarchitecture. Nanotechnology, 2020, 31, 015601.	1.3	6
18	Synergetic enhancement of mechanical and electrical properties in Ce_{0.8}Sm_{0.1}Nd_{0.1}O_{2â€“Î´}/La₁₀Si₆O₂₇ composite electrolytes. Journal of the American Ceramic Society, 2018, 101, 3130-3137.	3.9	6

#	Article	IF	Citations
19	Enhanced Oxygen Ion Conductivity in Composite Film Electrolytes with Aligned Nanowires. Advanced Materials Interfaces, 2018, 5, 1800098.	1.9	3
20	Transparent Ultraviolet Photodetectors Based on Ga₂O₃ Electrospun Nanowires. Solid State Phenomena, 0, 281, 710-715.	0.3	2
21	Enhanced Ionic Conductivity in Ce_{0.8}Gd_{0.2}O_{2-Î´} Nanofiber: Effect of the Crystallite Size. Solid State Phenomena, 0, 281, 761-766.	0.3	1
22	Measurement of ion mobility based on a reversible migration process in solids. Applied Physics Letters, 2019, 114, 243901.	1.5	1
23	Facile synthesis of flexible Pt/NiO 1D nanohybrids with high electrical properties using electrospinning. Journal of Materials Science: Materials in Electronics, 2019, 30, 10589-10596.	1.1	1
24	Synthesis of La₂NiO_{4+Î´} Nanofibers by Electrospinning Method and their Application. Solid State Phenomena, 2018, 281, 859-864.	0.3	0
25	Fabrication of YSZ/SNDC Bilayer Electrolytes by Spark Plasma Sintering. Solid State Phenomena, 2018, 281, 748-753.	0.3	0