

Mengfei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

604
citations

687220

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713332

21
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25
all docs

25
docs citations

25
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	One-dimensional electrospun ceramic nanomaterials and their sensing applications. Journal of the American Ceramic Society, 2022, 105, 765-785.	1.9	15
2	Historical development and novel concepts on electrolytes for aqueous rechargeable batteries. Energy and Environmental Science, 2022, 15, 1805-1839.	15.6	71
3	Electrooxidation of ammonia on A-site deficient perovskite oxide La _{0.9} Ni _{0.6} Cu _{0.35} Fe _{0.05} O _{3-δ} for wastewater treatment. Separation and Purification Technology, 2022, 297, 121451.	3.9	13
4	Oxygen Vacancy-Rich La _{0.5} Sr _{1.5} Ni _{0.9} Cu _{0.1} O ₄ as a High-Performance Bifunctional Catalyst for Symmetric Ammonia Electrolyzer. Advanced Functional Materials, 2022, 32, .	7.8	19
5	Recent progress in ammonia fuel cells and their potential applications. Journal of Materials Chemistry A, 2021, 9, 727-752.	5.2	177
6	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
7	<i>N,N</i> -Dimethylacetamide-Diluted Nitrate Electrolyte for Aqueous Zn//LiMn ₂ O ₄ Hybrid Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 46634-46643.	4.0	14
8	Acetate-based $\tilde{\infty}$ -oversaturated gel electrolyte™ enabling highly stable aqueous Zn-MnO ₂ battery. Energy Storage Materials, 2021, 42, 240-251.	9.5	25
9	An Efficient Symmetric Electrolyzer Based On Bifunctional Perovskite Catalyst for Ammonia Electrolysis. Advanced Science, 2021, 8, e2101299.	5.6	34
10	High photosensitivity and external quantum efficiency photosensors achieved by a cable like nanoarchitecture. Nanotechnology, 2020, 31, 015601.	1.3	6
11	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
12	Measurement of ion mobility based on a reversible migration process in solids. Applied Physics Letters, 2019, 114, 243901.	1.5	1
13	Evaluation of Phase Transformation and Mechanical Properties of Metastable Ytria-Stabilized Zirconia by Nanoindentation. Materials, 2019, 12, 1677.	1.3	15
14	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
15	Synergetic enhancement of mechanical and electrical properties in Ce _{0.8} Sm _{0.1} Nd _{0.1} O ₂ /La ₁₀ Si ₆ O ₂₇ composite electrolytes. Journal of the American Ceramic Society, 2018, 101, 3130-3137.	1.9	15
16	Synthesis of La ₂ NiO ₄ Nanofibers by Electrospinning Method and their Application. Solid State Phenomena, 2018, 281, 859-864.	0.3	0
17	A Novel Inorganic Ni-La ₂ O ₃ Composite with Superfast and Versatile Water Purification Behavior. ACS Applied Materials & Interfaces, 2018, 10, 43723-43729.	4.0	8
18	Fabrication of YSZ/SNDC Bilayer Electrolytes by Spark Plasma Sintering. Solid State Phenomena, 2018, 281, 748-753.	0.3	0

#	ARTICLE	IF	CITATIONS
19	High photodetectivity of low-voltage flexible photodetectors assembled with hybrid aligned nanowire arrays. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6510-6519.	2.7	23
20	Enhanced Oxygen Ion Conductivity in Composite Film Electrolytes with Aligned Nanowires. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800098.	1.9	3
21	Indium-doped SnO ₂ nanobelts for high-performance transparent and flexible photosensors by a facile assembly. <i>Nanotechnology</i> , 2017, 28, 335705.	1.3	16
22	A high-performance TiO ₂ nanowire UV detector assembled by electrospinning. <i>RSC Advances</i> , 2017, 7, 26220-26225.	1.7	30
23	Synergetic Enhancement in Photosensitivity and Flexibility of Photodetectors Based on Hybrid Nanobelt Network. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700909.	1.9	15
24	Enhanced Ionic Conductivity in Ce _{0.8} Gd _{0.2} O _{2-δ} Nanofiber: Effect of the Crystallite Size. <i>Solid State Phenomena</i> , 0, 281, 761-766.	0.3	1
25	Transparent Ultraviolet Photodetectors Based on Ga ₂ O ₃ Electrospun Nanowires. <i>Solid State Phenomena</i> , 0, 281, 710-715.	0.3	2