

# Zepeng Lv

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

528  
citations

933447

10  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-Constructing Interfaces of Multiheterostructure on MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> )-Modified 3D Self-Supporting Electrode for Ultraefficient Electrocatalytic HER in Alkaline Media. <i>Advanced Functional Materials</i> , 2021, 31, 2102576.	14.9	97
2	A novel recycling approach for efficient extraction of titanium from high-titanium-bearing blast furnace slag. <i>Waste Management</i> , 2021, 120, 626-634.	7.4	64
3	Co-Doped Ni <sub>3</sub> N Nanosheets with Electron Redistribution as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1581-1587.	4.6	62
4	Synergetic Effect of Ni <sub>2</sub> P and MXene Enhances Catalytic Activity in the Hydrogen Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 1604-1611.	4.0	52
5	Induction of Co <sub>2</sub> P Growth on a MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> )-Modified Self-Supporting Electrode for Efficient Overall Water Splitting. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4841-4848.	4.6	47
6	Nitrogen-Doped MoS <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Heterostructures as Ultra-Efficient Alkaline HER Electrocatalysts. <i>Inorganic Chemistry</i> , 2021, 60, 9932-9940.	4.0	37
7	MoS <sub>2</sub> /Co <sub>9</sub> S <sub>8</sub> /MoC heterostructure connected by carbon nanotubes as electrocatalyst for efficient hydrogen evolution reaction. <i>Journal of Materials Science and Technology</i> , 2021, 79, 29-34.	10.7	28
8	The preparation of tungsten carbides and tungsten powders by reaction of tungsten trioxide with methanol. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 76, 99-107.	3.8	27
9	Designed synthesis of WC-based nanocomposites as low-cost, efficient and stable electrocatalysts for the hydrogen evolution reaction. <i>CrystEngComm</i> , 2020, 22, 4580-4590.	2.6	25
10	Reduction of perovskite-geikielite by methane-hydrogen gas mixture: Thermodynamic analysis and experimental results. <i>Science of the Total Environment</i> , 2020, 699, 134355.	8.0	19
11	Effect of yttrium on morphologies and size of tungsten carbide particles prepared through CO reduction. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10166-10174.	5.8	11
12	Tuning the Electronic Structure of the CoP/Ni <sub>2</sub> P Nanostructure by Nitrogen Doping for an Efficient Hydrogen Evolution Reaction in Alkaline Media. <i>Inorganic Chemistry</i> , 2021, 60, 18544-18552.	4.0	10
13	Effect of Y(NO <sub>3</sub> ) <sub>3</sub> additive on morphologies and size of metallic W particles produced by hydrogen reduction. <i>Advanced Powder Technology</i> , 2019, 30, 2768-2778.	4.1	9
14	Synthesis of titanium oxycarbide in TiO <sub>2</sub> -C-H <sub>2</sub> system. <i>Materials Chemistry and Physics</i> , 2020, 252, 123272.	4.0	9
15	Synthesis of Ti(C, O, N) from ilmenite at low temperature by a novel reducing and carbonitriding approach. <i>International Journal of Energy Research</i> , 2020, 44, 4861-4874.	4.5	9
16	Recent Advances in Inorganic Electrochromic Materials from Synthesis to Applications: Critical Review on Functional Chemistry and Structure Engineering. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	8
17	Preparation of Mo <sub>2</sub> C by reduction and carbonization of MoO <sub>2</sub> with CH <sub>3</sub> OH. <i>Journal of Materials Science</i> , 2018, 53, 10059-10070.	3.7	6
18	P-doped MoS <sub>2</sub> /Ni <sub>2</sub> P/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> heterostructures for efficient hydrogen evolution reaction in alkaline media. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6096-6104.	3.8	5

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19	Mathematical modeling of the reaction of metal oxides with methane. RSC Advances, 2020, 10, 11233-11243.	3.6	3