

Dan Luo

List of Publications by Year in descending order

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28
papers

2,630
citations

394286

19
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

2672
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast room-temperature synthesis of porous S-doped Ni/Fe (oxy)hydroxide electrodes for oxygen evolution catalysis in seawater splitting. <i>Energy and Environmental Science</i> , 2020, 13, 3439-3446.	15.6	507
2	Heterogeneous Bimetallic Phosphide Ni ₂ P@Fe ₂ P as an Efficient Bifunctional Catalyst for Water/Seawater Splitting. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	385
3	Hierarchical Cu@CoFe layered double hydroxide core-shell nanoarchitectures as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Energy</i> , 2017, 41, 327-336.	8.2	252
4	Ternary Ni ₂ (1-x)Mo ₂ xP nanowire arrays toward efficient and stable hydrogen evolution electrocatalysis under large-current-density. <i>Nano Energy</i> , 2018, 53, 492-500.	8.2	216
5	Nanofluid of graphene-based amphiphilic Janus nanosheets for tertiary or enhanced oil recovery: High performance at low concentration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7711-7716.	3.3	196
6	Amorphous NiFe layered double hydroxide nanosheets decorated on 3D nickel phosphide nanoarrays: a hierarchical core-shell electrocatalyst for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13619-13623.	5.2	169
7	Rational design of core-shell-structured CoP @FeOOH for efficient seawater electrolysis. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120256.	10.8	141
8	A universal synthesis strategy to make metal nitride electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19728-19732.	5.2	114
9	Rational design of oxygen evolution reaction catalysts for seawater electrolysis. <i>Trends in Chemistry</i> , 2021, 3, 485-498.	4.4	105
10	Secondary Oil Recovery Using Graphene-Based Amphiphilic Janus Nanosheet Fluid at an Ultralow Concentration. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11125-11132.	1.8	87
11	High-Performance Ag-Modified Bi _{0.5} Sb _{1.5} Te ₃ Films for the Flexible Thermoelectric Generator. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7358-7365.	4.0	77
12	Facile synthesis of nanoparticle-stacked tungsten-doped nickel iron layered double hydroxide nanosheets for boosting oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8096-8103.	5.2	73
13	Colloidal Stability of Graphene-Based Amphiphilic Janus Nanosheet Fluid. <i>Chemistry of Materials</i> , 2017, 29, 3454-3460.	3.2	36
14	Synthesis of graphene-based amphiphilic Janus nanosheets via manipulation of hydrogen bonding. <i>Carbon</i> , 2018, 126, 105-110.	5.4	36
15	Experimental Investigation of the Transformation of Oil Shale with Fracturing Fluids under Microwave Heating in the Presence of Nanoparticles. <i>Energy & Fuels</i> , 2017, 31, 10348-10357.	2.5	35
16	Smart Pickering water-in-oil emulsion by manipulating interactions between nanoparticles and surfactant as potential oil-based drilling fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124246.	2.3	31
17	Electrochemical Performance of Free-standing and Flexible Graphene and TiO ₂ Composites with Different Conductive Polymers as Electrodes for Supercapacitors. <i>Chemistry - A European Journal</i> , 2019, 25, 7903-7911.	1.7	26
18	Freestanding RGO@Co ₃ O ₄ @PPy Composite Films as Electrodes for Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1800606.	1.8	25

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19	Electrostatic-attraction-induced high internal phase emulsion for large-scale synthesis of amphiphilic Janus nanosheets. <i>Chemical Communications</i> , 2019, 55, 1318-1321.	2.2	19
20	An improved method to synthesize nanoscale graphene oxide using much less acid. <i>Materials Today Physics</i> , 2019, 9, 100097.	2.9	18
21	Poly(sodium 4-styrenesulfonate) Stabilized Janus Nanosheets in Brine with Retained Amphiphilicity. <i>Langmuir</i> , 2018, 34, 3694-3700.	1.6	15
22	Phase Inversion of Pickering Emulsions by Electrolyte for Potential Reversible Water-in-Oil Drilling Fluids. <i>Energy & Fuels</i> , 2020, 34, 1317-1328.	2.5	14
23	Pickering emulsion stabilized by organoclay and intermediately hydrophobic nanosilica for high-temperature conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125694.	2.3	13
24	Interactions between amphiphilic Janus nanosheets and a nonionic polymer in aqueous and biphasic systems. <i>Soft Matter</i> , 2019, 15, 7472-7478.	1.2	12
25	Plant growth-inspired design of high-performance composite electrode nanostructures for supercapacitors. <i>Materials Today Physics</i> , 2020, 12, 100138.	2.9	12
26	Comparative study on chemical reduction of free-standing flexible GO films and their cyclic voltammetry performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 630-637.	2.3	9
27	Synthesis of sodium nanoparticles for promising extraction of heavy oil. <i>Materials Today Physics</i> , 2021, 16, 100276.	2.9	6
28	A Model of the Fractal Fluid Loss Coefficient and its Effect on Fracture Length and Well Productivity. <i>Chemistry and Technology of Fuels and Oils</i> , 2015, 51, 168-180.	0.2	1