Ye-Fei Li

List of Publications by Year in Descending Order

36 papers	2,190 citations	20 h-index	40 g-index
40 ext. papers	2,818 ext. citations	12.4 avg, IF	5.65 L-index

#	Paper	IF	Citations
36	Steering the Glycerol Electro-Reforming Selectivity via Cation-Intermediate Interactions.. *Angewandte Chemie - International Edition*, **2021**,	16.4	5
35	In-situ reconstructed Ru atom array on α-MnO2 with enhanced performance for acidic water oxidation. *Nature Catalysis*, **2021**, 4, 1012-1023	36.5	37
34	Innenrücktitelbild: Deciphering and Suppressing Over-Oxidized Nitrogen in Nickel-Catalyzed Urea Electrolysis (Angew. Chem. 51/2021). *Angewandte Chemie*, **2021**, 133, 27071	3.6	
33	In-Nin Sites Boosting Interfacial Charge Transfer in Carbon-Coated Hollow Tubular In2O3/ZnIn2S4 Heterostructure Derived from In-MOF for Enhanced Photocatalytic Hydrogen Evolution. *ACS Catalysis*, **2021**, 11, 6276-6289	13.1	24
32	Thermodynamics and Catalytic Activity of Ruthenium Oxides Grown on Ruthenium Metal from a Machine Learning Atomic Simulation. *Journal of Physical Chemistry C*, **2021**, 125, 17088-17096	3.8	2
31	Recognition of Surface Oxygen Intermediates on NiFe Oxyhydroxide Oxygen-Evolving Catalysts by Homogeneous Oxidation Reactivity. *Journal of the American Chemical Society*, **2021**, 143, 1493-1502	16.4	32
30	Ab Initio Molecular Dynamics in Heterogeneous Catalysis **2021**, 419-437		
29	Deciphering and Suppressing Over-Oxidized Nitrogen in Nickel-Catalyzed Urea Electrolysis. *Angewandte Chemie - International Edition*, **2021**, 60, 26656-26662	16.4	17
28	Robust hollow tubular ZnIn2S4 modified with embedded metal-organic-framework-layers: Extraordinarily high photocatalytic hydrogen evolution activity under simulated and real sunlight irradiation. *Applied Catalysis B: Environmental*, **2021**, 298, 120632	21.8	14
27	Structure and Catalysis of NiOOH: Recent Advances on Atomic Simulation. *Journal of Physical Chemistry C*, **2021**, 125, 27033-27045	3.8	2
26	Oxygen Evolution Activity on NiOOH Catalysts: Four-Coordinated Ni Cation as the Active Site and the Hydroperoxide Mechanism. *ACS Catalysis*, **2020**, 10, 2581-2590	13.1	35
25	A high-performance trace level acetone sensor using an indispensable VCT MXene.. *RSC Advances*, **2020**, 10, 1261-1270	3.7	22
24	Jahn-Teller Disproportionation Induced Exfoliation of Unit-Cell Scale ?-MnO. *Angewandte Chemie - International Edition*, **2020**, 59, 22659-22666	16.4	9
23	Jahn-Teller Disproportionation Induced Exfoliation of Unit-Cell Scale ?-MnO2. *Angewandte Chemie*, **2020**, 132, 22848-22855	3.6	1
22	First-Principles Prediction of the ZnO Morphology in the Perovskite Solar Cell. *Journal of Physical Chemistry C*, **2019**, 123, 14164-14172	3.8	2
21	Stability and Phase Transition of Cobalt Oxide Phases by Machine Learning Global Potential Energy Surface. *Journal of Physical Chemistry C*, **2019**, 123, 17539-17547	3.8	19
20	CO2 Photoreduction via Quantum Tunneling: Thin TiO2-Coated GaP with Coherent Interface To Achieve Electron Tunneling. *ACS Catalysis*, **2019**, 9, 5668-5678	13.1	14

19	A New Type of Capping Agent in Nanoscience: Metal Cations. *Small*, **2019**, 15, e1900444	11	4
18	First-Principles Simulations for Morphology and Structural Evolutions of Catalysts in Oxygen Evolution Reaction. *ChemSusChem*, **2019**, 12, 1846-1857	8.3	21
17	Charge-Tuned CO Activation over a Fe5C2 Fischer–Tropsch Catalyst. *ACS Catalysis*, **2018**, 8, 2709-2714	13.1	48
16	Active Site Revealed for Water Oxidation on Electrochemically Induced MnO: Role of Spinel-to-Layer Phase Transition. *Journal of the American Chemical Society*, **2018**, 140, 1783-1792	16.4	66
15	Accelerated active phase transformation of NiO powered by Pt single atoms for enhanced oxygen evolution reaction. *Chemical Science*, **2018**, 9, 6803-6812	9.4	65
14	Oxygen Vacancies Dominated NiS /CoS Interface Porous Nanowires for Portable Zn-Air Batteries Driven Water Splitting Devices. *Advanced Materials*, **2017**, 29, 1704681	24	400
13	Pathway of Photocatalytic Oxygen Evolution on Aqueous TiO2 Anatase and Insights into the Different Activities of Anatase and Rutile. *ACS Catalysis*, **2016**, 6, 4769-4774	13.1	60
12	Reaction Network of Layer-to-Tunnel Transition of MnO2. *Journal of the American Chemical Society*, **2016**, 138, 5371-9	16.4	79
11	Structure and water oxidation activity of 3d metal oxides. *Wiley Interdisciplinary Reviews: Computational Molecular Science*, **2016**, 6, 47-64	7.9	17
10	Three-phase junction for modulating electron-hole migration in anatase-rutile photocatalysts. *Chemical Science*, **2015**, 6, 3483-3494	9.4	73
9	Mechanism and Activity of Water Oxidation on Selected Surfaces of Pure and Fe-Doped NiOx. *ACS Catalysis*, **2014**, 4, 1148-1153	13.1	323
8	Adsorption and reactions of O2 on anatase TiO2. *Accounts of Chemical Research*, **2014**, 47, 3361-8	24.3	114
7	Mosaic Texture and Double c-Axis Periodicity of NiOOH: Insights from First-Principles and Genetic Algorithm Calculations. *Journal of Physical Chemistry Letters*, **2014**, 5, 3981-5	6.4	49
6	Dual reaction channels for photocatalytic oxidation of phenylmethanol on anatase. *Physical Chemistry Chemical Physics*, **2013**, 15, 1082-7	3.6	10
5	Theoretical study of interfacial electron transfer from reduced anatase TiO2(101) to adsorbed O2. *Journal of the American Chemical Society*, **2013**, 135, 9195-9	16.4	81
4	Particle size, shape and activity for photocatalysis on titania anatase nanoparticles in aqueous surroundings. *Journal of the American Chemical Society*, **2011**, 133, 15743-52	16.4	237
3	Mechanism and activity of photocatalytic oxygen evolution on titania anatase in aqueous surroundings. *Journal of the American Chemical Society*, **2010**, 132, 13008-15	16.4	274
2	Deciphering the alternating synergy between interlayer Pt single-atom and NiFe layered double hydroxide for overall water splitting. *Energy and Environmental Science*,	35.4	23

1	Deciphering and Suppressing the Over-oxidized Nitrogen in Nickel-catalyzed Urea Electrolysis. *Angewandte Chemie*,	3.6	2