

# Feng Li

## List of Publications by Year in descending order

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31  
papers

3,925  
citations

304743

22  
h-index

526287

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

7219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced electrocatalytic CO <sub>2</sub> reduction via field-induced reagent concentration. <i>Nature</i> , 2016, 537, 382-386.	27.8	1,429
2	Understanding the interactions between lithium polysulfides and N-doped graphene using density functional theory calculations. <i>Nano Energy</i> , 2016, 25, 203-210.	16.0	347
3	Rational Design of Efficient Palladium Catalysts for Electroreduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , 2016, 6, 8115-8120.	11.2	277
4	Self-assembled plasmonic nanostructures. <i>Chemical Society Reviews</i> , 2014, 43, 3976.	38.1	276
5	Defect Engineering in MoSe <sub>2</sub> for the Hydrogen Evolution Reaction: From Point Defects to Edges. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42688-42698.	8.0	171
6	The capacity fading mechanism and improvement of cycling stability in MoS <sub>2</sub> -based anode materials for lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 2918-2926.	5.6	168
7	Atomic Mechanism of Electrocatalytically Active Co <sup>II</sup> -N Complexes in Graphene Basal Plane for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27405-27413.	8.0	139
8	Stabilizing sulfur cathodes using nitrogen-doped graphene as a chemical immobilizer for Li S batteries. <i>Carbon</i> , 2016, 108, 120-126.	10.3	134
9	Novel Conductive Metal-Organic Framework for a High-Performance Lithium-Sulfur Battery Host: 2D Cu-Benzenehexathial (BHT). <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15012-15020.	8.0	105
10	Structural Transitions in Nanoparticle Assemblies Governed by Competing Nanoscale Forces. <i>Journal of the American Chemical Society</i> , 2013, 135, 10262-10265.	13.7	100
11	Borophene as Efficient Sulfur Hosts for Lithium-Sulfur Batteries: Suppressing Shuttle Effect and Improving Conductivity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15549-15555.	3.1	97
12	The Role of Intrinsic Defects in Electrocatalytic Activity of Monolayer VS <sub>2</sub> Basal Planes for the Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1530-1536.	3.1	93
13	Structural and Optical Properties of Self-Assembled Chains of Plasmonic Nanocubes. <i>Nano Letters</i> , 2014, 14, 6314-6321.	9.1	92
14	Interplay of electrochemical and electrical effects induces structural transformations in electrocatalysts. <i>Nature Catalysis</i> , 2021, 4, 479-487.	34.4	68
15	Is borophene a suitable anode material for sodium ion battery?. <i>Journal of Alloys and Compounds</i> , 2017, 704, 152-159.	5.5	62
16	Unveiling the atomic structure and electronic properties of atomically thin boron sheets on an Ag(111) surface. <i>Nanoscale</i> , 2016, 8, 16284-16291.	5.6	59
17	Enhanced electrocatalytic performance of palladium nanoparticles with high energy surfaces in formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11582-11585.	10.3	58
18	Electrocatalytic Activity and Design Principles of Heteroatom-Doped Graphene Catalysts for Oxygen-Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14434-14442.	3.1	49

#	ARTICLE	IF	CITATIONS
19	Invisible growth of microstructural defects in graphene chemical vapor deposition on copper foil. Carbon, 2016, 96, 237-242.	10.3	43
20	Large-Scale Synthesis of Metal Nanocrystals in Aqueous Suspensions. Chemistry of Materials, 2016, 28, 3196-3202.	6.7	37
21	3D core-shell MoS <sub>2</sub> superspheres composed of oriented nanosheets with quasi molecular superlattices: mimicked embryo formation and Li-storage properties. Journal of Materials Chemistry A, 2018, 6, 18498-18507.	10.3	32
22	Linear assembly of patchy and non-patchy nanoparticles. Faraday Discussions, 2016, 191, 189-204.	3.2	26
23	Two-Dimensional Conductive Metal-Organic Frameworks as Highly Efficient Electrocatalysts for Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 61205-61214.	8.0	15
24	Pd-CNT-SiO <sub>2</sub> nanoskein: composite structure design for formic acid dehydrogenation. Chemical Communications, 2019, 55, 10733-10736.	4.1	14
25	Reductive and Coordinative Effects of Hydrazine in Structural Transformations of Copper Hydroxide Nanoparticles. Nanomaterials, 2019, 9, 1445.	4.1	14
26	An aligned octahedral core in a nanocage: synthesis, plasmonic, and catalytic properties. Nanoscale, 2019, 11, 3138-3144.	5.6	12
27	Cu-nanoparticle-derived structures under CO <sub>2</sub> reduction conditions: a matter of shape. Physical Chemistry Chemical Physics, 2019, 21, 5894-5897.	2.8	7
28	Interparticle gap geometry effects on chiroptical properties of plasmonic nanoparticle assemblies. Nanotechnology, 2022, 33, 125203.	2.6	1
29	On the Performance and Structural Stability of Cathodic Electrocatalysts with Complex Nanoscale Morphology. ECS Meeting Abstracts, 2020, MA2020-01, 2709-2709.	0.0	0
30	Electrocatalytic Urea and Ammonia Oxidation for Cell Voltage Optimization in CO <sub>2</sub> Electrolyzers. ECS Meeting Abstracts, 2020, MA2020-01, 2622-2622.	0.0	0
31	Coupling of Various Aqueous Anodic Reactions with Direct and Indirect Electroreduction of CO <sub>2</sub> in Organic Media. ECS Meeting Abstracts, 2020, MA2020-01, 2641-2641.	0.0	0