

# Fei Meng

## List of Publications by Year in descending order

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30  
papers

10,446  
citations

236612

25  
h-index

476904

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

17522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Hydrogen Evolution Catalysis from Chemically Exfoliated Metallic MoS <sub>2</sub> Nanosheets. <i>Journal of the American Chemical Society</i> , 2013, 135, 10274-10277.	6.6	3,022
2	Lead halide perovskite nanowire lasers with low lasing thresholds and high quality factors. <i>Nature Materials</i> , 2015, 14, 636-642.	13.3	2,392
3	Hydrothermal Continuous Flow Synthesis and Exfoliation of NiCo Layered Double Hydroxide Nanosheets for Enhanced Oxygen Evolution Catalysis. <i>Nano Letters</i> , 2015, 15, 1421-1427.	4.5	933
4	Highly active hydrogen evolution catalysis from metallic WS <sub>2</sub> nanosheets. <i>Energy and Environmental Science</i> , 2014, 7, 2608-2613.	15.6	660
5	Efficient Photoelectrochemical Hydrogen Generation Using Heterostructures of Si and Chemically Exfoliated Metallic MoS <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2014, 136, 8504-8507.	6.6	379
6	Solution Growth of Single Crystal Methylammonium Lead Halide Perovskite Nanostructures for Optoelectronic and Photovoltaic Applications. <i>Journal of the American Chemical Society</i> , 2015, 137, 5810-5818.	6.6	368
7	Porous Two-Dimensional Nanosheets Converted from Layered Double Hydroxides and Their Applications in Electrocatalytic Water Splitting. <i>Chemistry of Materials</i> , 2015, 27, 5702-5711.	3.2	291
8	Screw Dislocation Driven Growth of Nanomaterials. <i>Accounts of Chemical Research</i> , 2013, 46, 1616-1626.	7.6	275
9	Facile Synthesis and One-Dimensional Assembly of Cyclodextrin-Capped Gold Nanoparticles and Their Applications in Catalysis and Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13636-13642.	1.5	229
10	High-Capacity Lithium-Ion Battery Conversion Cathodes Based on Iron Fluoride Nanowires and Insights into the Conversion Mechanism. <i>Nano Letters</i> , 2012, 12, 6030-6037.	4.5	225
11	Facile post-growth doping of nanostructured hematite photoanodes for enhanced photoelectrochemical water oxidation. <i>Energy and Environmental Science</i> , 2013, 6, 500-512.	15.6	220
12	Facile Solution Synthesis of $\gamma\text{-Fe}_3\text{O}_4\cdot 3\text{H}_2\text{O}$ Nanowires and Their Conversion to $\alpha\text{-Fe}_2\text{O}_3$ Nanowires for Photoelectrochemical Application. <i>Nano Letters</i> , 2012, 12, 724-731.	4.5	198
13	Amorphous MoS <sub>x</sub> Cl <sub>y</sub> electrocatalyst supported by vertical graphene for efficient electrochemical and photoelectrochemical hydrogen generation. <i>Energy and Environmental Science</i> , 2015, 8, 862-868.	15.6	183
14	Controlled Synthesis of Dendritic Gold Nanostructures Assisted by Supramolecular Complexes of Surfactant with Cyclodextrin. <i>Langmuir</i> , 2010, 26, 7582-7589.	1.6	162
15	Vertical Heterostructures of Layered Metal Chalcogenides by van der Waals Epitaxy. <i>Nano Letters</i> , 2014, 14, 3047-3054.	4.5	135
16	The Solution Growth of Copper Nanowires and Nanotubes is Driven by Screw Dislocations. <i>Nano Letters</i> , 2012, 12, 234-239.	4.5	131
17	Rational Solution Growth of $\gamma\text{-FeOOH}$ Nanowires Driven by Screw Dislocations and Their Conversion to $\alpha\text{-Fe}_2\text{O}_3$ Nanowires. <i>Journal of the American Chemical Society</i> , 2011, 133, 8408-8411.	6.6	103
18	Facile and mild solution synthesis of Cu <sub>2</sub> O nanowires and nanotubes driven by screw dislocations. <i>Chemical Communications</i> , 2012, 48, 1174-1176.	2.2	90

#	ARTICLE	IF	CITATIONS
19	Two-dimensional lithium diffusion behavior and probable hybrid phase transformation kinetics in olivine lithium iron phosphate. <i>Nature Communications</i> , 2017, 8, 1194.	5.8	85
20	Twisting phonons in complex crystals with quasi-one-dimensional substructures. <i>Nature Communications</i> , 2015, 6, 6723.	5.8	75
21	Approaching the Minimum Thermal Conductivity in Rhenium-Substituted Higher Manganese Silicides. <i>Advanced Energy Materials</i> , 2014, 4, 1400452.	10.2	74
22	Dislocation-Driven CdS and CdSe Nanowire Growth. <i>ACS Nano</i> , 2012, 6, 4461-4468.	7.3	58
23	Thermoelectric Properties of Undoped High Purity Higher Manganese Silicides Grown by Chemical Vapor Transport. <i>Chemistry of Materials</i> , 2014, 26, 5097-5104.	3.2	48
24	Formation of Stacking Faults and the Screw Dislocation-Driven Growth: A Case Study of Aluminum Nitride Nanowires. <i>ACS Nano</i> , 2013, 7, 11369-11378.	7.3	44
25	Oxidative coupling of methane in solid oxide fuel cell tubular membrane reactor with high ethylene yield. <i>Catalysis Communications</i> , 2017, 96, 23-27.	1.6	30
26	Solution Growth of Screw Dislocation Driven $\text{ZnGa}_2\text{O}_4$ Nanorod Arrays and Their Conversion to Porous $\text{ZnGa}_2\text{O}_4$ Nanotubes. <i>Chemistry of Materials</i> , 2017, 29, 7278-7287.	3.2	19
27	Large-scale solution synthesis of $\text{AlF}_3 \cdot 3\text{H}_2\text{O}$ nanorods under low supersaturation conditions and their conversion to porous $\text{AlF}_3$ nanorods. <i>Journal of Materials Chemistry</i> , 2012, 22, 20991.	6.7	9
28	Conversion of Methane Facilitated by Solid Oxide Electrolysis Cells. <i>Chemical Engineering and Technology</i> , 2020, 43, 2007-2014.	0.9	5
29	Growth of Nanomaterials by Screw Dislocation. , 2013, , 639-664.		2
30	Ruthenium Catalyzed Ethenolysis of Internal Olefin Generated from Fischer-Tropsch Process to Produce $\alpha$ -Olefin. <i>Chemistry Letters</i> , 2019, 48, 1236-1239.	0.7	1