

# Fei Meng

## List of Publications by Year in descending order

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30  
papers

10,446  
citations

236925

25  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

17522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of Methane Facilitated by Solid Oxide Electrolysis Cells. <i>Chemical Engineering and Technology</i> , 2020, 43, 2007-2014.	1.5	5
2	Ruthenium Catalyzed Ethenolysis of Internal Olefin Generated from Fischer-Tropsch Process to Produce $\hat{\pm}$ -Olefin. <i>Chemistry Letters</i> , 2019, 48, 1236-1239.	1.3	1
3	Oxidative coupling of methane in solid oxide fuel cell tubular membrane reactor with high ethylene yield. <i>Catalysis Communications</i> , 2017, 96, 23-27.	3.3	30
4	Two-dimensional lithium diffusion behavior and probable hybrid phase transformation kinetics in olivine lithium iron phosphate. <i>Nature Communications</i> , 2017, 8, 1194.	12.8	85
5	Solution Growth of Screw Dislocation Driven $\hat{\pm}$ -GaOOH Nanorod Arrays and Their Conversion to Porous ZnGa <sub>2</sub> O <sub>4</sub> Nanotubes. <i>Chemistry of Materials</i> , 2017, 29, 7278-7287.	6.7	19
6	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.	30.8	183
7	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.	9.1	933
8	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.	6.7	291
9	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.	13.7	368
10	Twisting phonons in complex crystals with quasi-one-dimensional substructures. <i>Nature Communications</i> , 2015, 6, 6723.	12.8	75
11	Lead halide perovskite nanowire lasers with low lasing thresholds and high quality factors. <i>Nature Materials</i> , 2015, 14, 636-642.	27.5	2,392
12	Approaching the Minimum Thermal Conductivity in Rhenium-Substituted Higher Manganese Silicides. <i>Advanced Energy Materials</i> , 2014, 4, 1400452.	19.5	74
13	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.	13.7	379
14	Thermoelectric Properties of Undoped High Purity Higher Manganese Silicides Grown by Chemical Vapor Transport. <i>Chemistry of Materials</i> , 2014, 26, 5097-5104.	6.7	48
15	Highly active hydrogen evolution catalysis from metallic WS <sub>2</sub> nanosheets. <i>Energy and Environmental Science</i> , 2014, 7, 2608-2613.	30.8	660
16	Vertical Heterostructures of Layered Metal Chalcogenides by van der Waals Epitaxy. <i>Nano Letters</i> , 2014, 14, 3047-3054.	9.1	135
17	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.	14.6	44
18	Facile post-growth doping of nanostructured hematite photoanodes for enhanced photoelectrochemical water oxidation. <i>Energy and Environmental Science</i> , 2013, 6, 500-512.	30.8	220

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19	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.	13.7	3,022
20	Screw Dislocation Driven Growth of Nanomaterials. <i>Accounts of Chemical Research</i> , 2013, 46, 1616-1626.	15.6	275
21	Growth of Nanomaterials by Screw Dislocation. , 2013, , 639-664.		2
22	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
23	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.	9.1	225
24	Facile Solution Synthesis of $\text{FeF}_3 \cdot 3\text{H}_2\text{O}$ Nanowires and Their Conversion to $\text{Fe}_2\text{O}_3$ Nanowires for Photoelectrochemical Application. <i>Nano Letters</i> , 2012, 12, 724-731.	9.1	198
25	Facile and mild solution synthesis of $\text{Cu}_2\text{O}$ nanowires and nanotubes driven by screw dislocations. <i>Chemical Communications</i> , 2012, 48, 1174-1176.	4.1	90
26	The Solution Growth of Copper Nanowires and Nanotubes is Driven by Screw Dislocations. <i>Nano Letters</i> , 2012, 12, 234-239.	9.1	131
27	Dislocation-Driven CdS and CdSe Nanowire Growth. <i>ACS Nano</i> , 2012, 6, 4461-4468.	14.6	58
28	Rational Solution Growth of $\text{FeOOH}$ Nanowires Driven by Screw Dislocations and Their Conversion to $\text{Fe}_2\text{O}_3$ Nanowires. <i>Journal of the American Chemical Society</i> , 2011, 133, 8408-8411.	13.7	103
29	Controlled Synthesis of Dendritic Gold Nanostructures Assisted by Supramolecular Complexes of Surfactant with Cyclodextrin. <i>Langmuir</i> , 2010, 26, 7582-7589.	3.5	162
30	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.	3.1	229