

# Ting He

## List of Publications by Year in descending order

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32  
papers

2,271  
citations

304743

22  
h-index

414414

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g-index

33  
all docs

33  
docs citations

33  
times ranked

3314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Stability of Nanometer-Scale Pt Particles in Acidic Environments. <i>Journal of the American Chemical Society</i> , 2010, 132, 596-600.	13.7	310
2	Extraction of lithium with functionalized lithium ion-sieves. <i>Progress in Materials Science</i> , 2016, 84, 276-313.	32.8	258
3	In situ Free-Surfactant Synthesis and ORR- Electrochemistry of Carbon-Supported Co <sub>3</sub> S <sub>4</sub> and CoSe <sub>2</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 26-28.	6.7	233
4	Core/Shell Nanoparticles as Electrocatalysts for Fuel Cell Reactions. <i>Advanced Materials</i> , 2008, 20, 4342-4347.	21.0	231
5	Nanoengineered PtCo and PtNi Catalysts for Oxygen Reduction Reaction: An Assessment of the Structural and Electrocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1682-1694.	3.1	173
6	Oxygen reduction reaction on carbon-supported CoSe <sub>2</sub> nanoparticles in an acidic medium. <i>Electrochimica Acta</i> , 2009, 54, 5252-5256.	5.2	116
7	A novel low-thermal-budget approach for the co-production of ethylene and hydrogen via the electrochemical non-oxidative deprotonation of ethane. <i>Energy and Environmental Science</i> , 2018, 11, 1710-1716.	30.8	92
8	Alloy Electrocatalysts. <i>Journal of the Electrochemical Society</i> , 2006, 153, A1637.	2.9	88
9	Non-oxidative dehydrogenation of ethane to ethylene over ZSM-5 zeolite supported iron catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117816.	20.2	84
10	Synthesis and Characterization of Ultrafine Tungsten and Tungsten Oxide Nanoparticles by a Reverse Microemulsion-Mediated Method. <i>Chemistry of Materials</i> , 2006, 18, 2211-2218.	6.7	78
11	An Efficient SOFC Based on Samaria-Doped Ceria (SDC) Electrolyte. <i>Journal of the Electrochemical Society</i> , 2012, 159, B661-B665.	2.9	76
12	Combinatorial screening and nano-synthesis of platinum binary alloys for oxygen electroreduction. <i>Journal of Power Sources</i> , 2007, 165, 87-91.	7.8	73
13	3D Self-Structured Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 °C. <i>Advanced Science</i> , 2018, 5, 1800360.	11.2	72
14	Preparation and characterization of carbon-supported PtTi alloy electrocatalysts. <i>Journal of Power Sources</i> , 2008, 175, 794-799.	7.8	55
15	Synthesis of methanol from CO <sub>2</sub> hydrogenation promoted by dissociative adsorption of hydrogen on a Ga <sub>3</sub> Ni <sub>5</sub> (221) surface. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18539-18555.	2.8	43
16	Progress in catalytic synthesis of advanced carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13863-13881.	10.3	38
17	In Situ Electrochemical STM Study of Potential-Induced Coarsening and Corrosion of Platinum Nanocrystals. <i>Journal of the Electrochemical Society</i> , 2008, 155, B228.	2.9	35
18	Performance and durability of PtCo alloy catalysts for oxygen electroreduction in acidic environments. <i>Electrochimica Acta</i> , 2010, 55, 7551-7557.	5.2	33

#	ARTICLE	IF	CITATIONS
19	A High-Performing Direct Carbon Fuel Cell with a 3D Architected Anode Operated Below 600 °C. <i>Advanced Materials</i> , 2018, 30, 1704745.	21.0	30
20	Synthesis and characterization of carbon supported PtW catalysts from carbonyl complexes for oxygen electroreduction. <i>Electrochemistry Communications</i> , 2006, 8, 1671-1676.	4.7	28
21	Combinatorial screening of PtTiMe ternary alloys for oxygen electroreduction. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 3731.	2.8	25
22	In Situ Electrochemical STM Study of the Coarsening of Platinum Islands at Double-Layer Potentials. <i>Langmuir</i> , 2007, 23, 9098-9103.	3.5	22
23	Syntheses, characterization, and catalytic oxygen electroreduction activities of carbon-supported PtW nanoparticle catalysts. <i>Journal of Power Sources</i> , 2010, 195, 2570-2578.	7.8	20
24	Electrochemically Engineered, Highly Energy-Efficient Conversion of Ethane to Ethylene and Hydrogen below 550 °C in a Protonic Ceramic Electrochemical Cell. <i>ACS Catalysis</i> , 2021, 11, 12194-12202.	11.2	17
25	Design and optimization of nitrogen expansion liquefaction processes integrated with ethane separation for high ethane-content natural gas. <i>Applied Thermal Engineering</i> , 2020, 173, 115272.	6.0	12
26	Novel Non-Precious Metal Electrocatalysts for Oxygen Reduction Based on Nanostructured Cobalt Chalcogenide. <i>ECS Transactions</i> , 2007, 11, 67-73.	0.5	11
27	Hydrogen Production: 3D Self-Architected Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 °C ( <i>Adv. Sci.</i> 11/2018). <i>Advanced Science</i> , 2018, 5, 1870070.	11.2	5
28	A High Performance Low Temperature Direct Carbon Fuel Cell. <i>ECS Transactions</i> , 2017, 78, 2519-2526.	0.5	4
29	Performance of PEMFCs with Sputter Deposited Pt and Pt Alloy Cathodes. <i>ECS Transactions</i> , 2007, 11, 375-382.	0.5	3
30	Synthesis and Characterization of Nanostructured PtW Alloy for Oxygen Reduction in PEMFCs. <i>ECS Transactions</i> , 2006, 1, 69-76.	0.5	2
31	Fuel Cells: A High-Performing Direct Carbon Fuel Cell with a 3D Architected Anode Operated Below 600 °C ( <i>Adv. Mater.</i> 4/2018). <i>Advanced Materials</i> , 2018, 30, 1870022.	21.0	2
32	End notes. <i>Jom</i> , 2003, 55, 64-64.	1.9	0