Ting He

List of Publications by Year
in descending order

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32 papers	2,271 citations	304743 22 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	3314 citing authors

#	Article	IF	Citations
1	Electrochemically Engineered, Highly Energy-Efficient Conversion of Ethane to Ethylene and Hydrogen below 550 Â°C in a Protonic Ceramic Electrochemical Cell. ACS Catalysis, 2021, 11, 12194-12202.	11.2	17
2	Design and optimization of nitrogen expansion liquefaction processes integrated with ethane separation for high ethane-content natural gas. Applied Thermal Engineering, 2020, 173, 115272.	6.0	12
3	Non-oxidative dehydrogenation of ethane to ethylene over ZSM-5 zeolite supported iron catalysts. Applied Catalysis B: Environmental, 2019, 256, 117816.	20.2	84
4	Fuel Cells: A Highâ€Performing Direct Carbon Fuel Cell with a 3D Architectured Anode Operated Below 600 Â°C (Adv. Mater. 4/2018). Advanced Materials, 2018, 30, 1870022.	21.0	2
5	A novel low-thermal-budget approach for the co-production of ethylene and hydrogenviathe electrochemical non-oxidative deprotonation of ethane. Energy and Environmental Science, 2018, 11, 1710-1716.	30.8	92
6	A Highâ€Performing Direct Carbon Fuel Cell with a 3D Architectured Anode Operated Below 600 Â°C. Advanced Materials, 2018, 30, 1704745.	21.0	30
7	Hydrogen Production: 3D Self-Architectured Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 Â°C (Adv. Sci. 11/2018). Advanced Science, 2018, 5, 1870070.	11.2	5
8	3D Selfâ€Architectured Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Protonâ€Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 Â°C. Advanced Science, 2018, 5, 1800360.	11.2	72
9	Progress in catalytic synthesis of advanced carbon nanofibers. Journal of Materials Chemistry A, 2017, 5, 13863-13881.	10.3	38
10	A High Performance Low Temperature Direct Carbon Fuel Cell. ECS Transactions, 2017, 78, 2519-2526.	0.5	4
11	Synthesis of methanol from CO₂hydrogenation promoted by dissociative adsorption of hydrogen on a Ga₃Ni₅(221) surface. Physical Chemistry Chemical Physics, 2017, 19, 18539-18555.	2.8	43
12	Extraction of lithium with functionalized lithium ion-sieves. Progress in Materials Science, 2016, 84, 276-313.	32.8	258
13	An Efficient SOFC Based on Samaria-Doped Ceria (SDC) Electrolyte. Journal of the Electrochemical Society, 2012, 159, B661-B665.	2.9	76
14	Nanoengineered PtCo and PtNi Catalysts for Oxygen Reduction Reaction: An Assessment of the Structural and Electrocatalytic Properties. Journal of Physical Chemistry C, 2011, 115, 1682-1694.	3.1	173
15	Syntheses, characterization, and catalytic oxygen electroreduction activities of carbon-supported PtW nanoparticle catalysts. Journal of Power Sources, 2010, 195, 2570-2578.	7.8	20
16	Performance and durability of PtCo alloy catalysts for oxygen electroreduction in acidic environments. Electrochimica Acta, 2010, 55, 7551-7557.	5.2	33
17	Electrochemical Stability of Nanometer-Scale Pt Particles in Acidic Environments. Journal of the American Chemical Society, 2010, 132, 596-600.	13.7	310
18	Oxygen reduction reaction on carbon-supported CoSe2 nanoparticles in an acidic medium. Electrochimica Acta, 2009, 54, 5252-5256.	5.2	116

#	Article	IF	Citations
19	Core/Shell Nanoparticles as Electrocatalysts for Fuel Cell Reactions. Advanced Materials, 2008, 20, 4342-4347.	21.0	231
20	Preparation and characterization of carbon-supported PtTi alloy electrocatalysts. Journal of Power Sources, 2008, 175, 794-799.	7.8	55
21	Combinatorial screening of PtTiMe ternary alloys for oxygen electroreduction. Physical Chemistry Chemical Physics, 2008, 10, 3731.	2.8	25
22	In situ Free-Surfactant Synthesis and ORR- Electrochemistry of Carbon-Supported Co₃S₄and CoSe₂Nanoparticles. Chemistry of Materials, 2008, 20, 26-28.	6.7	233
23	In Situ Electrochemical STM Study of Potential-Induced Coarsening and Corrosion of Platinum Nanocrystals. Journal of the Electrochemical Society, 2008, 155, B228.	2.9	35
24	Novel Non-Precious Metal Electrocatalysts for Oxygen Reduction Based on Nanostructured Cobalt Chalcogenide. ECS Transactions, 2007, 11, 67-73.	0.5	11
25	Performance of PEMFCs with Sputter Deposited Pt and Pt Alloy Cathodes. ECS Transactions, 2007, 11, 375-382.	0.5	3
26	In Situ Electrochemical STM Study of the Coarsening of Platinum Islands at Double-Layer Potentials. Langmuir, 2007, 23, 9098-9103.	3.5	22
27	Combinatorial screening and nano-synthesis of platinum binary alloys for oxygen electroreduction. Journal of Power Sources, 2007, 165, 87-91.	7.8	73
28	Alloy Electrocatalysts. Journal of the Electrochemical Society, 2006, 153, A1637.	2.9	88
29	Synthesis and Characterization of Ultrafine Tungsten and Tungsten Oxide Nanoparticles by a Reverse Microemulsion-Mediated Method. Chemistry of Materials, 2006, 18, 2211-2218.	6.7	78
30	Synthesis and characterization of carbon supported PtW catalysts from carbonyl complexes for oxygen electroreduction. Electrochemistry Communications, 2006, 8, 1671-1676.	4.7	28
31	Synthesis and Characterization of NanostructuredPtW Alloy for Oxygen Reduction in PEMFCs. ECS Transactions, 2006, 1, 69-76.	0.5	2
32	End notes. Jom, 2003, 55, 64-64.	1.9	0