

# Yutong Gong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

3,474  
citations

29  
h-index

56  
g-index

56  
ext. papers

4,080  
ext. citations

11  
avg, IF

5.5  
L-index

#	Paper	IF	Citations
51	Elucidating the reaction pathway of crystalline multi-metal borides for highly efficient oxygen-evolving electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1569-1578	13	1
50	Deciphering the Dynamic Structure Evolution of Fe- and Ni-Codoped CoS <sub>2</sub> for Enhanced Water Oxidation. <i>ACS Catalysis</i> , <b>2022</b> , 12, 3743-3751	13.1	4
49	Crystal and electronic structure engineering of tin monoxide by external pressure. <i>Journal of Advanced Ceramics</i> , <b>2021</b> , 10, 565-577	10.7	7
48	Electron-Deficient-Type Electride CaPb: Extension of Electride Chemical Space. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8821-8828	16.4	4
47	Selective upgrading of biomass-derived benzylic ketones by (formic acid)Pd/HPC/NH <sub>2</sub> system with high efficiency under ambient conditions. <i>Chem</i> , <b>2021</b> ,	16.2	5
46	Theoretical exploration of quaternary hexagonal MAB phases and two-dimensional derivatives. <i>Nanoscale</i> , <b>2021</b> , 13, 13208-13214	7.7	4
45	Stable single platinum atoms trapped in sub-nanometer cavities in 12CaO $\cdot$ 7AlO for chemoselective hydrogenation of nitroarenes. <i>Nature Communications</i> , <b>2020</b> , 11, 1020	17.4	47
44	Insight into Single-Atom-Induced Unconventional Size Dependence over CeO <sub>2</sub> -Supported Pt Catalysts. <i>Chem</i> , <b>2020</b> , 6, 752-765	16.2	27
43	Pressure-driven catalyst synthesis of Co-doped Fe <sub>3</sub> C@Carbon nano-onions for efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118385	21.8	27
42	Pressure-promoted irregular CoMoP <sub>2</sub> nanoparticles activated by surface reconstruction for oxygen evolution reaction electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2001-2007	13	18
41	Iron-regulated NiPS for enhanced oxygen evolution efficiency. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23580-23589	13	8
40	Computational Prediction of Boron-Based MAX Phases and MXene Derivatives. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6947-6957	9.6	34
39	Kinetics-controlled synthesis of hierarchically porous materials with tunable properties from diverse building blocks. <i>Carbon</i> , <b>2019</b> , 155, 611-617	10.4	8
38	Study of the role of alkaline sodium additive in selective hydrogenation of phenol. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1516-1524	11.3	17
37	Discovery of hexagonal ternary phase TiInB and its evolution to layered boride TiB. <i>Nature Communications</i> , <b>2019</b> , 10, 2284	17.4	72
36	Carbon vacancy defect-activated Pt cluster for hydrogen generation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15364-15370	13	29
35	Directly immobilizing a Ru <sup>II</sup> annic acid linkage coordination complex on carbon cloth: an efficient and ultrastable catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11038-11043	13	21

34	Tuning the catalytic performance for the semi-hydrogenation of alkynols by selectively poisoning the active sites of Pd catalysts. <i>Green Chemistry</i> , <b>2019</b> , 21, 4143-4151	10	26
33	Annular Mesoporous Carbonaceous Nanospheres from Biomass-Derived Building Units with Enhanced Biological Interactions. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7186-7191	9.6	18
32	Pd nanoparticles anchored on amino-functionalized hierarchically porous carbon for efficient dehydrogenation of formic acid under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25791-25795	13	27
31	Intermetallic Electride Catalyst as a Platform for Ammonia Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 825-829	16.4	57
30	Selective Hydrogenation of Phenol. <i>ChemNanoMat</i> , <b>2018</b> , 4, 432-450	3.5	28
29	Ternary intermetallic LaCoSi as a catalyst for N <sub>2</sub> activation. <i>Nature Catalysis</i> , <b>2018</b> , 1, 178-185	36.5	149
28	Intermetallic Electride Catalyst as a Platform for Ammonia Synthesis. <i>Angewandte Chemie</i> , <b>2018</b> , 131, 835	3.6	0
27	Sustainable and scalable synthesis of monodisperse carbon nanospheres and their derived superstructures. <i>Green Chemistry</i> , <b>2018</b> , 20, 4596-4601	10	23
26	Organic-acid-assisted synthesis of a 3D lasagna-like Fe-N-doped CNTs-G framework: An efficient and stable electrocatalyst for oxygen reduction reactions. <i>Nano Research</i> , <b>2017</b> , 10, 1258-1267	10	21
25	Tiered Electron Anions in Multiple Voids of LaScSi and Their Applications to Ammonia Synthesis. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700924	24	61
24	Carbon nitride in energy conversion and storage: recent advances and future prospects. <i>ChemSusChem</i> , <b>2015</b> , 8, 931-46	8.3	158
23	Ni-promoted synthesis of graphitic carbon nanotubes from in situ produced graphitic carbon for dehydrogenation of ethylbenzene. <i>Chemical Communications</i> , <b>2015</b> , 51, 12859-62	5.8	43
22	From Waste to gold: A one-pot method to synthesize ultrafinely dispersed Fe <sub>2</sub> O <sub>3</sub> -based nanoparticles on N-doped carbon for synergistic and efficient water splitting. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11756-11761	13	48
21	Selective hydrogenation of unprotected indole to indoline over N-doped carbon supported palladium catalyst. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 277-281	8.1	8
20	Graphitic carbon nitride polymers: promising catalysts or catalyst supports for heterogeneous oxidation and hydrogenation. <i>Green Chemistry</i> , <b>2015</b> , 17, 715-736	10	216
19	Highly efficient and chemoselective hydrogenation of $\alpha$ -unsaturated carbonyls over Pd/N-doped hierarchically porous carbon. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 397-404	5.5	63
18	Inspired by bread leavening: one-pot synthesis of hierarchically porous carbon for supercapacitors. <i>Green Chemistry</i> , <b>2015</b> , 17, 4053-4060	10	310
17	Design and fabrication of hierarchically porous carbon with a template-free method. <i>Scientific Reports</i> , <b>2014</b> , 4, 6349	4.9	65

16	Nitrogen-doped hollow carbon hemispheres as efficient metal-free electrocatalysts for oxygen reduction reaction in alkaline medium. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 605-609	13	77
15	Cellulose-based hydrophobic carbon aerogels as versatile and superior adsorbents for sewage treatment. <i>RSC Advances</i> , <b>2014</b> , 4, 45753-45759	3.7	59
14	Updating biomass into functional carbon material in ionothermal manner. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12515-22	9.5	81
13	Sustainable and scalable production of monodisperse and highly uniform colloidal carbonaceous spheres using sodium polyacrylate as the dispersant. <i>Chemical Communications</i> , <b>2014</b> , 50, 12633-6	5.8	48
12	Ultrafinely dispersed Pd nanoparticles on a CN@MgO hybrid as a bifunctional catalyst for upgrading bioderived compounds. <i>Green Chemistry</i> , <b>2014</b> , 16, 4371-4377	10	34
11	Combination of carbon nitride and carbon nanotubes: synergistic catalysts for energy conversion. <i>ChemSusChem</i> , <b>2014</b> , 7, 2303-9	8.3	71
10	An Efficient Way To Introduce Hierarchical Structure into Biomass-Based Hydrothermal Carbonaceous Materials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2435-2441	8.3	77
9	One-Step Production of Sulfur and Nitrogen Co-doped Graphitic Carbon for Oxygen Reduction: Activation Effect of Oxidized Sulfur and Nitrogen. <i>ChemCatChem</i> , <b>2014</b> , 6, n/a-n/a	5.2	7
8	Palladium nanoparticles supported on mpg-C <sub>3</sub> N <sub>4</sub> as active catalyst for semihydrogenation of phenylacetylene under mild conditions. <i>Green Chemistry</i> , <b>2013</b> , 15, 2525	10	98
7	A novel catalyst Pd@ompg-C <sub>3</sub> N <sub>4</sub> for highly chemoselective hydrogenation of quinoline under mild conditions. <i>Journal of Catalysis</i> , <b>2013</b> , 297, 272-280	7.3	178
6	Highly selective Pd@mpg-C <sub>3</sub> N <sub>4</sub> catalyst for phenol hydrogenation in aqueous phase. <i>RSC Advances</i> , <b>2013</b> , 3, 10973	3.7	114
5	Solvent-free aerobic oxidation of hydrocarbons and alcohols with Pd@N-doped carbon from glucose. <i>Nature Communications</i> , <b>2013</b> , 4, 1593	17.4	293
4	Selective oxidation of benzene to phenol by FeCl <sub>3</sub> /mpg-C <sub>3</sub> N <sub>4</sub> hybrids. <i>RSC Advances</i> , <b>2013</b> , 3, 5121	3.7	79
3	A practical and benign synthesis of amines through Pd@mpg-C <sub>3</sub> N <sub>4</sub> catalyzed reduction of nitriles. <i>Catalysis Communications</i> , <b>2012</b> , 28, 9-12	3.2	47
2	Synthesis of palladium nanoparticles supported on mesoporous N-doped carbon and their catalytic ability for biofuel upgrade. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16987-90	16.4	443
1	Ionic liquids with metal chelate anions. <i>Chemical Communications</i> , <b>2012</b> , 48, 2334-6	5.8	107