

# Renxi Jin

## List of Publications by Year in descending order

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42  
papers

3,164  
citations

201575

27  
h-index

265120

42  
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44  
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44  
docs citations

44  
times ranked

4763  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operando Surface-Enhanced Raman-Scattering (SERS) for Probing CO <sub>2</sub> Facilitated Transport Mechanisms of Amine-Functionalized Polymeric Membranes. ACS Applied Materials & Interfaces, 2022, 14, 15697-15705.	4.0	9
2	Highly Active CuO <sub>x</sub> /SiO <sub>2</sub> Dot Core/Rod Shell Catalysts with Enhanced Stability for the Reverse Water Gas Shift Reaction. ACS Applied Materials & Interfaces, 2021, 13, 38213-38220.	4.0	19
3	Enhancing the surface sensitivity of in-situ/operando characterization of palladium membranes through polarization modulation and synthesis of optically smooth palladium thin films. Journal of Membrane Science, 2021, 637, 119605.	4.1	5
4	Evolution of surface and bulk carbon species derived from propylene and their influence on the interaction of hydrogen with palladium. Journal of Membrane Science, 2020, 596, 117738.	4.1	9
5	Ru-Promoted CO <sub>2</sub> activation for oxidative dehydrogenation of propane over chromium oxide catalyst. Catalysis Science and Technology, 2020, 10, 1769-1777.	2.1	25
6	Low Temperature Oxidation of Ethane to Oxygenates by Oxygen over Iridium-Cluster Catalysts. Journal of the American Chemical Society, 2019, 141, 18921-18925.	6.6	72
7	Highly active and stable copper catalysts derived from copper silicate double-shell nanofibers with strong metal-support interactions for the RWGS reaction. Chemical Communications, 2019, 55, 4178-4181.	2.2	35
8	Synthesis of hierarchically double-walled Co <sub>3</sub> O <sub>4</sub> hollow nanofibers assembled by nanosheet building units supporting Pt nanoparticles for high-efficient CO oxidation. Materials Letters, 2019, 237, 126-129.	1.3	7
9	Opportunities and Challenges in CO <sub>2</sub> Reduction by Gold- and Silver-Based Electrocatalysts: From Bulk Metals to Nanoparticles and Atomically Precise Nanoclusters. ACS Energy Letters, 2018, 3, 452-462.	8.8	269
10	Preparation of phenyl group functionalized g-C <sub>3</sub> N <sub>4</sub> nanosheets with extended electron delocalization for enhanced visible-light photocatalytic activity. New Journal of Chemistry, 2018, 42, 6756-6762.	1.4	19
11	Highly selective oxidation of methane to methanol at ambient conditions by titanium dioxide-supported iron species. Nature Catalysis, 2018, 1, 889-896.	16.1	391
12	Enantioseparation of Au <sub>20</sub> (PP <sub>3</sub> ) <sub>4</sub> Cl <sub>4</sub> Clusters with Intrinsically Chiral Cores. Angewandte Chemie - International Edition, 2018, 57, 9059-9063.	7.2	104
13	Enantioseparation of Au <sub>20</sub> (PP <sub>3</sub> ) <sub>4</sub> Cl <sub>4</sub> Clusters with Intrinsically Chiral Cores. Angewandte Chemie, 2018, 130, 9197-9201.	1.6	16
14	Gold Nanoclusters Promote Electrocatalytic Water Oxidation at the Nanocluster/CoSe <sub>2</sub> Interface. Journal of the American Chemical Society, 2017, 139, 1077-1080.	6.6	294
15	Oxidation-Induced Transformation of Eight-Electron Gold Nanoclusters: [Au <sub>23</sub> (SR) <sub>16</sub> ] <sup>+</sup> to [Au <sub>28</sub> (SR) <sub>20</sub> ] <sup>0</sup> . Journal of Physical Chemistry Letters, 2017, 8, 866-870.	2.1	45
16	Electron localization in rod-shaped triicosahedral gold nanocluster. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4697-E4705.	3.3	56
17	Atomically Precise Gold Nanoclusters Accelerate Hydrogen Evolution over MoS <sub>2</sub> Nanosheets: The Dual Interfacial Effect. Small, 2017, 13, 1701519.	5.2	92
18	Controlling Ag-doping in [Ag <sub>x</sub> Au <sub>25-x</sub> (SC <sub>6</sub> H <sub>11</sub> ) <sub>18</sub> ] <sup>+</sup> nanoclusters: cryogenic optical, electronic and electrocatalytic properties. Nanoscale, 2017, 9, 19183-19190.	4.8	43

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19	Facile Fabrication of Well-Dispersed Pt Nanoparticles in Mesoporous Silica with Large Open Spaces and Their Catalytic Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 9293-9298.	1.7	15
20	Controlling the Atomic Structure of Au <sub>30</sub> Nanoclusters by a Ligand-Based Strategy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6694-6697.	7.2	164
21	Ultrasmall Palladium Nanoclusters as Effective Catalyst for Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2016, 3, 1225-1229.	1.7	35
22	Controlling the Atomic Structure of Au <sub>30</sub> Nanoclusters by a Ligand-Based Strategy. <i>Angewandte Chemie</i> , 2016, 128, 6806-6809.	1.6	38
23	In situ loading of Ag <sub>2</sub> WO <sub>4</sub> on ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets with highly enhanced photocatalytic performance. <i>Journal of Hazardous Materials</i> , 2016, 313, 219-228.	6.5	135
24	Macroscopic Foam-Like Holey Ultrathin g-C <sub>3</sub> N <sub>4</sub> Nanosheets for Drastic Improvement of Visible-Light Photocatalytic Activity. <i>Advanced Energy Materials</i> , 2016, 6, 1601273.	10.2	466
25	Mechanistic insights from atomically precise gold nanocluster-catalyzed reduction of 4-nitrophenol. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 483-486.	1.8	29
26	In situ reduction of well-dispersed nickel nanoparticles on hierarchical nickel silicate hollow nanofibers as a highly efficient transition metal catalyst. <i>RSC Advances</i> , 2016, 6, 32580-32585.	1.7	15
27	All-thiolate-protected silver and silver-rich alloy nanoclusters with atomic precision: stable sizes, structural characterization and optical properties. <i>CrystEngComm</i> , 2016, 18, 3996-4005.	1.3	45
28	Sandwich-Structured Graphene-Nickel Silicate-Nickel Ternary Composites as Superior Anode Materials for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2015, 21, 9014-9017.	1.7	32
29	Facile Synthesis of Hierarchical Magnesium Silicate Hollow Nanofibers Assembled by Nanosheets as an Efficient Adsorbent. <i>ChemPlusChem</i> , 2015, 80, 544-548.	1.3	19
30	In situ assembly of monodispersed Ag nanoparticles in the channels of ordered mesopolymers as a highly active and reusable hydrogenation catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4307-4313.	5.2	46
31	Tri-icosahedral Gold Nanocluster [Au <sub>37</sub> (PPh <sub>3</sub> ) <sub>3</sub> ] <sub>10</sub> (SC <sub>2</sub> H <sub>4</sub> Ph) <sub>10</sub> X <sub>2</sub> Linear Assembly of Icosahedral Building Blocks. <i>ACS Nano</i> , 2015, 9, 8530-8536.		
32	Preparation and enhanced visible light photocatalytic activity of novel g-C <sub>3</sub> N <sub>4</sub> nanosheets loaded with Ag <sub>2</sub> CO <sub>3</sub> nanoparticles. <i>Nanoscale</i> , 2015, 7, 758-764.	2.8	166
33	A General Route to Hollow Mesoporous Rare-Earth Silicate Nanospheres as a Catalyst Support. <i>Chemistry - A European Journal</i> , 2014, 20, 2344-2351.	1.7	22
34	Highly efficient composite visible light-driven Ag-Br/g-C <sub>3</sub> N <sub>4</sub> plasmonic photocatalyst for degrading organic pollutants. <i>Materials Letters</i> , 2014, 126, 5-8.	1.3	41
35	In situ assembly of well-dispersed gold nanoparticles on hierarchical double-walled nickel silicate hollow nanofibers as an efficient and reusable hydrogenation catalyst. <i>Chemical Communications</i> , 2014, 50, 5447-5450.	2.2	31
36	Facile Synthesis and Properties of Hierarchical Double-Walled Copper Silicate Hollow Nanofibers Assembled by Nanotubes. <i>ACS Nano</i> , 2014, 8, 3664-3670.	7.3	80

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37	Size-dependent catalytic properties of Au nanoparticles supported on hierarchical nickel silicate nanostructures. Dalton Transactions, 2013, 42, 7888-7893.	1.6	33
38	Synthesis of flower-like nickel oxide/nickel silicate nanocomposites and their enhanced electrochemical performance as anode materials for lithium batteries. Materials Letters, 2013, 93, 5-8.	1.3	28
39	Template-free solvothermal synthesis and enhanced thermoelectric performance of Sb <sub>2</sub> Te <sub>3</sub> nanosheets. Journal of Alloys and Compounds, 2013, 558, 6-10.	2.8	29
40	Synthesis and Optical Property of Sb <sub>2</sub> Se <sub>3</sub> Nanowires. Journal of Nanoscience and Nanotechnology, 2013, 13, 5910-5913.	0.9	1
41	Biomolecule-Assisted Hydrothermal Synthesis of Hierarchical Nanostructured Sb <sub>2</sub> Te <sub>3</sub> . Science of Advanced Materials, 2013, 5, 1150-1156.	0.1	2
42	Facile Synthesis of Well-Dispersed Silver Nanoparticles on Hierarchical Flower-like Ni <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> with a High Catalytic Activity towards 4-Nitrophenol Reduction. Chemistry - an Asian Journal, 2012, 7, 2955-2961.	1.7	15