Renxi Jin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9569117/publications.pdf

Version: 2024-02-01

42	3,164	201575	265120
papers	citations	27 h-index	42 g-index

44	44	44	4763
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Macroscopic Foamâ€Like Holey Ultrathin gâ€C₃N₄ Nanosheets for Drastic Improvement of Visibleâ€Light Photocatalytic Activity. Advanced Energy Materials, 2016, 6, 1601273.	10.2	466
2	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
3	Gold Nanoclusters Promote Electrocatalytic Water Oxidation at the Nanocluster/CoSe₂ Interface. Journal of the American Chemical Society, 2017, 139, 1077-1080.	6.6	294
4	Opportunities and Challenges in CO₂ 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
5	Tri-icosahedral Gold Nanocluster [Au₃₇(PPh₃)₁₀(SC₂H₄Ph)₁₀X₂]⁺ Linear Assembly of Icosahedral Building Blocks. ACS Nano, 2015, 9, 8530-8536.	7.3	167
6	Preparation and enhanced visible light photocatalytic activity of novel g-C₃N₄ nanosheets loaded with Ag₂CO₃ nanoparticles. Nanoscale, 2015, 7, 758-764.	2.8	166
7	Controlling the Atomic Structure of Au₃₀ Nanoclusters by a Ligandâ€Based Strategy. Angewandte Chemie - International Edition, 2016, 55, 6694-6697.	7.2	164
8	In situ loading of Ag2WO4 on ultrathin g-C3N4 nanosheets with highly enhanced photocatalytic performance. Journal of Hazardous Materials, 2016, 313, 219-228.	6.5	135
9	Enantioseparation of Au₂₀(PP₃)₄Cl₄ Clusters with Intrinsically Chiral Cores. Angewandte Chemie - International Edition, 2018, 57, 9059-9063.	7.2	104
10	Atomically Precise Gold Nanoclusters Accelerate Hydrogen Evolution over MoS₂ Nanosheets: The Dual Interfacial Effect. Small, 2017, 13, 1701519.	5.2	92
11	Facile Synthesis and Properties of Hierarchical Double-Walled Copper Silicate Hollow Nanofibers Assembled by Nanotubes. ACS Nano, 2014, 8, 3664-3670.	7.3	80
12	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
13	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
14	In situ assembly of monodispersed Ag nanoparticles in the channels of ordered mesopolymers as a highly active and reusable hydrogenation catalyst. Journal of Materials Chemistry A, 2015, 3, 4307-4313.	5.2	46
15	All-thiolate-protected silver and silver-rich alloy nanoclusters with atomic precision: stable sizes, structural characterization and optical properties. CrystEngComm, 2016, 18, 3996-4005.	1.3	45
16	Oxidation-Induced Transformation of Eight-Electron Gold Nanoclusters: [Au₂₃(SR)₁₆]^{â^'} to [Au₂₈(SR)₂₀]⁰. Journal of Physical Chemistry Letters, 2017, 8, 866-870.	2.1	45
17	Controlling Ag-doping in [Ag_xAu_{25â^'x}(SC₆H₁₁)₁₈]^{â^'}nanoclusters: cryogenic optical, electronic and electrocatalytic properties. Nanoscale, 2017, 9, 19183-19190.	6.7	43
18	Highly efficient composite visible light-driven Agâ€“AgBr/g-C3N4 plasmonic photocatalyst for degrading organic pollutants. Materials Letters, 2014, 126, 5-8.	1.3	41

#	Article	IF	Citations
19	Controlling the Atomic Structure of Au₃₀ Nanoclusters by a Ligandâ€Based Strategy. Angewandte Chemie, 2016, 128, 6806-6809.	1.6	38
20	Ultrasmall Palladium Nanoclusters as Effective Catalyst for Oxygen Reduction Reaction. ChemElectroChem, 2016, 3, 1225-1229.	1.7	35
21	Highly active and stable copper catalysts derived from copper silicate double-shell nanofibers with strong metalâ€“support interactions for the RWGS reaction. Chemical Communications, 2019, 55, 4178-4181.	2.2	35
22	Size-dependent catalytic properties of Au nanoparticles supported on hierarchical nickel silicate nanostructures. Dalton Transactions, 2013, 42, 7888-7893.	1.6	33
23	Sandwichâ€Structured Grapheneâ€“Nickel Silicateâ€“Nickel Ternary Composites as Superior Anode Materials for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 9014-9017.	1.7	32
24	In situ assembly of well-dispersed gold nanoparticles on hierarchical double-walled nickel silicate hollow nanofibers as an efficient and reusable hydrogenation catalyst. Chemical Communications, 2014, 50, 5447-5450.	2.2	31
25	Template-free solvothermal synthesis and enhanced thermoelectric performance of Sb2Te3 nanosheets. Journal of Alloys and Compounds, 2013, 558, 6-10.	2.8	29
26	Mechanistic insights from atomically precise gold nanocluster-catalyzed reduction of 4-nitrophenol. Progress in Natural Science: Materials International, 2016, 26, 483-486.	1.8	29
27	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
28	Ru-Promoted CO₂ activation for oxidative dehydrogenation of propane over chromium oxide catalyst. Catalysis Science and Technology, 2020, 10, 1769-1777.	2.1	25
29	A General Route to Hollow Mesoporous Rareâ€Earth Silicate Nanospheres as a Catalyst Support. Chemistry - A European Journal, 2014, 20, 2344-2351.	1.7	22
30	Facile Synthesis of Hierarchical Magnesium Silicate Hollow Nanofibers Assembled by Nanosheets as an Efficient Adsorbent. ChemPlusChem, 2015, 80, 544-548.	1.3	19
31	Preparation of phenyl group functionalized g-C3N4 nanosheets with extended electron delocalization for enhanced visible-light photocatalytic activity. New Journal of Chemistry, 2018, 42, 6756-6762.	1.4	19
32	Highly Active CuO_x/SiO₂ 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
33	Enantioseparation of Au₂₀(PP₃)₄Cl₄ Clusters with Intrinsically Chiral Cores. Angewandte Chemie, 2018, 130, 9197-9201.	1.6	16
34	Facile Synthesis of Wellâ€Dispersed Silver Nanoparticles on Hierarchical Flowerâ€like Ni₃Si₂O₅(OH)₄ with a High Catalytic Activity towards 4â€Nitrophenol Reduction. Chemistry - an Asian Journal, 2012, 7, 2955-2961.	1.7	15
35	Facile Fabrication of Wellâ€Dispersed Pt Nanoparticles in Mesoporous Silica with Large Open Spaces and Their Catalytic Applications. Chemistry - A European Journal, 2016, 22, 9293-9298.	1.7	15
36	In situ reduction of well-dispersed nickel nanoparticles on hierarchical nickel silicate hollow nanofibers as a highly efficient transition metal catalyst. RSC Advances, 2016, 6, 32580-32585.	1.7	15

#	Article	IF	Citations
37	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
38	Operando Surface-Enhanced Raman-Scattering (SERS) for Probing CO₂ Facilitated Transport Mechanisms of Amine-Functionalized Polymeric Membranes. ACS Applied Materials & Interfaces, 2022, 14, 15697-15705.	4.0	9
39	Synthesis of hierarchically double-walled Co3O4 hollow nanofibers assembled by nanosheet building units supporting Pt nanoparticles for high-efficient CO oxidation. Materials Letters, 2019, 237, 126-129.	1.3	7
40	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
41	Biomolecule-Assisted Hydrothermal Synthesis of Hierarchical Nanostructured Sb₂Te₃. Science of Advanced Materials, 2013, 5, 1150-1156.	0.1	2
42	Synthesis and Optical Property of Sb₂Se₃ Nanowires. Journal of Nanoscience and Nanotechnology, 2013, 13, 5910-5913.	0.9	1