

# Ruiyi Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8344039/publications.pdf>

Version: 2024-02-01

24  
papers

521  
citations

686830

13  
h-index

642321

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-supported Au@Pd bimetallic nanoparticles with excellent catalytic performance in selective oxidation of methanol to methyl formate. <i>Chemical Communications</i> , 2013, 49, 8250.	2.2	120
2	Oxygen vacancies confined in conjugated polyimide for promoted visible-light photocatalytic oxidative coupling of amines. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118964.	10.8	54
3	Graphene oxide: an effective acid catalyst for the synthesis of polyoxymethylene dimethyl ethers from methanol and trioxymethylene. <i>Catalysis Science and Technology</i> , 2016, 6, 993-997.	2.1	53
4	Synergistic interaction between Ru and MgAl-LDH support for efficient hydrogen transfer reduction of carbonyl compounds under visible light. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119640.	10.8	29
5	Facile one-step synthesis of porous graphene-like g-C <sub>3</sub> N <sub>4</sub> rich in nitrogen vacancies for enhanced H <sub>2</sub> production from photocatalytic aqueous-phase reforming of methanol. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 197-208.	3.8	25
6	Plasmon-enhanced furfural hydrogenation catalyzed by stable carbon-coated copper nanoparticles driven from metal-organic frameworks. <i>Catalysis Science and Technology</i> , 2020, 10, 6483-6494.	2.1	23
7	Modification of Au nanoparticles electronic state by MOFs defect engineering to realize highly active photocatalytic oxidative esterification of benzyl alcohol with methanol. <i>Catalysis Communications</i> , 2020, 140, 106002.	1.6	23
8	Hydroxyl-group-modified polymeric carbon nitride with the highly selective hydrogenation of nitrobenzene to <i>N</i> -phenylhydroxylamine under visible light. <i>Green Chemistry</i> , 2021, 23, 3612-3622.	4.6	22
9	Strong metal-support interaction induced O <sub>2</sub> activation over Au/MNb <sub>2</sub> O <sub>6</sub> (M <sup>2+</sup> = Zn <sup>2+</sup> , Ni <sup>2+</sup> and Co <sup>2+</sup> ) for efficient photocatalytic benzyl alcohol oxidative esterification. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119618.	10.8	21
10	Highly active Au@Pd nanoparticles supported on three-dimensional graphene-carbon nanotube hybrid for selective oxidation of methanol to methyl formate. <i>RSC Advances</i> , 2015, 5, 44835-44839.	1.7	19
11	Controllable decoration of palladium sub-nanoclusters on reduced graphene oxide with superior catalytic performance in selective oxidation of alcohols. <i>Catalysis Science and Technology</i> , 2017, 7, 5650-5661.	2.1	15
12	ZnNb <sub>2</sub> O <sub>6</sub> fibre surface as an efficiently product-selective controller for the near-UV-light-induced nitrobenzene reduction reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 6681-6690.	2.1	15
13	Synthesis of polyoxymethylene dimethyl ethers from dimethoxymethane and trioxymethylene over graphene oxide: Probing the active species and relating the catalyst structure to performance. <i>Applied Catalysis A: General</i> , 2019, 570, 15-22.	2.2	14
14	The synergistic role of the support surface and Au@Cu alloys in a plasmonic Au@Cu@LDH photocatalyst for the oxidative esterification of benzyl alcohol with methanol. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1655-1664.	1.3	14
15	Light-assisted <i>O</i> -methylation of phenol with dimethyl carbonate over a layered double oxide catalyst. <i>Catalysis Science and Technology</i> , 2019, 9, 1774-1778.	2.1	12
16	Preferential Oxidation of CO in H <sub>2</sub> -Rich Stream Over Au/CeO <sub>2</sub> @NiO Catalysts: Effect of the Preparation Method. <i>Catalysis Letters</i> , 2018, 148, 328-340.	1.4	11
17	A novel K <sub>2</sub> Ti <sub>8</sub> O <sub>17</sub> nanorod photocatalyst rich in surface OH groups for efficient hydrogen production by water splitting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18115-18124.	3.8	11
18	Selective oxidative esterification of alcohols over Au-Pd/graphene. <i>Molecular Catalysis</i> , 2020, 484, 110687.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Bidentate ligand modification strategy on supported Ni nanoparticles for photocatalytic selective hydrogenation of alkynes. <i>Applied Catalysis B: Environmental</i> , 2022, 313, 121449.	10.8	8
20	Catalytic Performance of Palladium Supported on Sheaf-Like Ceria in the Lean Methane Combustion. <i>Nanomaterials</i> , 2020, 10, 31.	1.9	7
21	Structural and electronic feature evolution of Au-Pd bimetallic catalysts supported on graphene and SiO <sub>2</sub> in H <sub>2</sub> and O <sub>2</sub> . <i>Journal of Catalysis</i> , 2019, 376, 44-56.	3.1	6
22	Efficient photocatalytic oxidative deamination of imine and amine to aldehyde over nitrogen-doped KTi <sub>3</sub> NbO <sub>9</sub> under purple light. <i>Catalysis Science and Technology</i> , 2020, 10, 6611-6617.	2.1	5
23	Light assisted O-alkylation of phenols to ethers using layered double oxides catalyst under green and mild conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112695.	2.0	2
24	Visible-light-driven Hydroamination of Alkynes over a New Type of Activated Carbon Immobilized Cu <sup>2+</sup> Photocatalyst. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1039-1044.	1.3	2