Tianbin Wu

List of Publications by Year
in descending order

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		236925	265206
43	2,186	25	42
papers	citations	h-index	g-index

45	45	45	3164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boosting CO₂ electroreduction over Co nanoparticles supported on N,B-co-doped graphitic carbon. Green Chemistry, 2022, 24, 1488-1493.	9.0	18
2	Efficient synthesis of cyclic carbonates from CO₂under ambient conditions over Zn(betaine)₂Br₂: experimental and theoretical studies. Physical Chemistry Chemical Physics, 2022, 24, 4298-4304.	2.8	2
3	Tuning the efficiency and product composition for electrocatalytic CO₂reduction to syngas over zinc films by morphology and wettability. Green Chemistry, 2022, 24, 1439-1444.	9.0	11
4	Highly efficient C(CO)â€“C(alkyl) bond cleavage in ketones to access esters over ultrathin N-doped carbon nanosheets. Chemical Science, 2022, 13, 5196-5204.	7.4	6
5	The in situ study of surface species and structures of oxide-derived copper catalysts for electrochemical CO₂ reduction. Chemical Science, 2021, 12, 5938-5943.	7.4	40
6	A depth-suitable and water-stable trap for CO2 capture. RSC Advances, 2021, 11, 15748-15752.	3.6	0
7	Production of Piperidine and Î´â€Lactam Chemicals from Biomassâ€Derived Triacetic Acid Lactone. Angewandte Chemie, 2021, 133, 14526-14530.	2.0	0
8	Production of Piperidine and Î´â€Lactam Chemicals from Biomassâ€Derived Triacetic Acid Lactone. Angewandte Chemie - International Edition, 2021, 60, 14405-14409.	13.8	10
9	Support Effect of Ru Catalysts for Efficient Conversion of Biomass-Derived 2,5-Hexanedione to Different Products. ACS Catalysis, 2021, 11, 7685-7693.	11.2	22
10	Highly efficient Meerweinâ€“Ponndorfâ€“Verley reductions over a robust zirconium-organoboronic acid hybrid. Green Chemistry, 2021, 23, 1259-1265.	9.0	41
11	Enhancing the electrocatalytic activity of CoO for the oxidation of 5-hydroxymethylfurfural by introducing oxygen vacancies. Green Chemistry, 2020, 22, 843-849.	9.0	126
12	Dehydroxyalkylative halogenation of C(aryl)â€“C bonds of aryl alcohols. Chemical Communications, 2020, 56, 7120-7123.	4.1	7
13	ZIF-67-Derived Cobalt/Nitrogen-Doped Carbon Composites for Efficient Electrocatalytic N₂ Reduction. ACS Applied Energy Materials, 2019, 2, 6071-6077.	5.1	67
14	Hydrogenolysis of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran under Mild Conditions without Any Additive. ACS Sustainable Chemistry and Engineering, 2019, 7, 5711-5716.	6.7	33
15	Highly effective photoreduction of CO₂ to CO promoted by integration of CdS with molecular redox catalysts through metalâ€“organic frameworks. Chemical Science, 2018, 9, 8890-8894.	7.4	95
16	Catalysis of photooxidation reactions through transformation between Cu²⁺ and Cu⁺ in TiO₂â€“Cuâ€“MOF composites. Chemical Communications, 2018, 54, 5984-5987.	4.1	34
17	Efficient Generation of Lactic Acid from Glycerol over a Ruâ€Znâ€Cu^I/Hydroxyapatite Catalyst. Chemistry - an Asian Journal, 2017, 12, 1598-1604.	3.3	19
18	The highly selective aerobic oxidation of cyclohexane to cyclohexanone and cyclohexanol over V₂O₅@TiO₂ under simulated solar light irradiation. Green Chemistry, 2017, 19, 311-318.	9.0	78

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19	Preparation of Ru/Graphene using Glucose as Carbon Source and Hydrogenation of Levulinic Acid to Î³â€Valerolactone. Chemistry - an Asian Journal, 2016, 11, 2792-2796.	3.3	39
20	Bromide promoted hydrogenation of CO₂ to higher alcohols using Ruâ€“Co homogeneous catalyst. Chemical Science, 2016, 7, 5200-5205.	7.4	54
21	Simultaneous and selective transformation of glucose to arabinose and nitrosobenzene to azoxybenzene driven by visible-light. Green Chemistry, 2016, 18, 3852-3857.	9.0	32
22	Waterâ€in€Supercritical CO₂ Microemulsion Stabilized by a Metal Complex. Angewandte Chemie - International Edition, 2016, 55, 13533-13537.	13.8	18
23	Waterâ€in€Supercritical CO₂ Microemulsion Stabilized by a Metal Complex. Angewandte Chemie, 2016, 128, 13731-13735.	2.0	6
24	Efficient hydrogenolysis of 5-hydroxymethylfurfural to 2,5-dimethylfuran over a cobalt and copper bimetallic catalyst on N-graphene-modified Al₂O₃. Green Chemistry, 2016, 18, 6222-6228.	9.0	92
25	Highly selective oxidation of cyclohexene to 2-cyclohexene-1-one in water using molecular oxygen over Feâ€“Coâ€“g-C₃N₄. Catalysis Science and Technology, 2016, 6, 193-200.	4.1	62
26	Using the hydrogen and oxygen in water directly for hydrogenation reactions and glucose oxidation by photocatalysis. Chemical Science, 2016, 7, 463-468.	7.4	40
27	V_xO_y Supported on Hydrophobic Poly(Ionic Liquid)s as an Efficient Catalyst for Direct Hydroxylation of Benzene to Phenol. ChemCatChem, 2015, 7, 3526-3532.	3.7	24
28	Efficient Transformation of Anisole into Methylated Phenols over Highâ€Silica HY Zeolites under Mild Conditions. ChemCatChem, 2015, 7, 2831-2835.	3.7	19
29	Cu and Boron Doped Carbon Nitride for Highly Selective Oxidation of Toluene to Benzaldehyde. Molecules, 2015, 20, 12686-12697.	3.8	36
30	Enhancing the selective hydrogenation of benzene to cyclohexene over Ru/TiO2 catalyst in the presence of a very small amount of ZnO. Science China Chemistry, 2015, 58, 93-100.	8.2	14
31	Room-temperature synthesis of mesoporous CuO and its catalytic activity for cyclohexene oxidation. RSC Advances, 2015, 5, 67168-67174.	3.6	24
32	Light-driven integration of the reduction of nitrobenzene to aniline and the transformation of glycerol into valuable chemicals in water. RSC Advances, 2015, 5, 36347-36352.	3.6	42
33	Solvent determines the formation and properties of metalâ€“organic frameworks. RSC Advances, 2015, 5, 37691-37696.	3.6	95
34	The Hydrogenation of Aromatic Compounds under Mild Conditions by Using a Solid Lewis Acid and Supported Palladium Catalyst. ChemCatChem, 2014, 6, 3323-3327.	3.7	23
35	Facile one-pot synthesis of VxOy@C catalysts using sucrose for the direct hydroxylation of benzene to phenol. Green Chemistry, 2013, 15, 1150.	9.0	67
36	Ruâ€“Zn supported on hydroxyapatite as an effective catalyst for partial hydrogenation of benzene. Green Chemistry, 2013, 15, 152-159.	9.0	84

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37	Ruâ€“Cd/Bentonite for the Partial Hydrogenation of Benzene: A Catalyst without Additives. ChemCatChem, 2012, 4, 1836-1843.	3.7	20
38	Ru nanoparticles immobilized on metalâ€“organic framework nanorods by supercritical CO2-methanol solution: highly efficient catalyst. Green Chemistry, 2011, 13, 2078.	9.0	108
39	Highly selective benzene hydrogenation to cyclohexene over supported Ru catalyst without additives. Green Chemistry, 2011, 13, 1106.	9.0	43
40	Bimetallic Au/Pd catalyzed aerobic oxidation of alcohols in the poly(ethylene glycol)/CO2 system. Science China Chemistry, 2010, 53, 1592-1597.	8.2	2
41	Seeding Growth of Pd/Au Bimetallic Nanoparticles on Highly Cross-Linked Polymer Microspheres with Ionic Liquid and Solvent-Free Hydrogenation. Journal of Physical Chemistry C, 2010, 114, 3396-3400.	3.1	63
42	MOF-5/n-Bu4NBr: an efficient catalyst system for the synthesis of cyclic carbonates from epoxides and CO2 under mild conditions. Green Chemistry, 2009, 11, 1031.	9.0	427
43	Cross-linked polymer coated Pd nanocatalysts on SiO2 support: very selective and stable catalysts for hydrogenation in supercritical CO2. Green Chemistry, 2009, 11, 798.	9.0	30