

# Bin Yue

## List of Publications by Year in descending order

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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Photocatalytic Degradation of Aqueous 4-Chlorophenol by Silica-Immobilized Polyoxometalates. <i>Environmental Science &amp; Technology</i> , 2002, 36, 1325-1329.   | 4.6 | 116       |
| 2  | Heterogeneous Catalysis of Polyoxometalate Based Organic-Inorganic Hybrids. <i>Materials</i> , 2015, 8, 1545-1567.  | 1.3 | 78        |
| 3  | Highly Dispersed Nickel-Containing Mesoporous Silica with Superior Stability in Carbon Dioxide Reforming of Methane: The Effect of Anchoring. <i>Materials</i> , 2014, 7, 2340-2355.                          | 1.3 | 59        |
| 4  | Morphology-Dependent Catalytic Activity of Ru/CeO <sub>2</sub> in Dry Reforming of Methane. <i>Molecules</i> , 2019, 24, 526.   | 1.7 | 38        |
| 5  | Tuning Metal-Support Interactions on Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts to Improve Catalytic Activity and Stability for Dry Reforming of Methane. <i>Processes</i> , 2021, 9, 706.                   | 1.3 | 38        |
| 6  | Three POM-based coordination polymers: hydrothermal synthesis, characterization, and catalytic activity in epoxidation of styrene. <i>CrystEngComm</i> , 2011, 13, 7143.                                      | 1.3 | 30        |
| 7  | Effect of Brønsted/Lewis Acid Ratio on Conversion of Sugars to 5-Hydroxymethylfurfural over Mesoporous Nb and Nb-W Oxides. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1529-1539.                         | 2.6 | 26        |
| 8  | Study of Oxygen Vacancies on Different Facets of Anatase TiO <sub>2</sub> . <i>Chinese Journal of Chemistry</i> , 2019, 37, 922-928.  | 2.6 | 22        |
| 9  | Synthesis and characterization of noble-metal-substituted Dawson-type polyoxometalates. <i>Transition Metal Chemistry</i> , 1997, 22, 321-325.  | 0.7 | 20        |
| 10 | Synthesis and Characterization of V-HMS Employed for Catalytic Hydroxylation of Benzene. <i>Catalysis Letters</i> , 2009, 131, 458-462.   | 1.4 | 20        |
| 11 | Promotional effect of cerium on nickel-containing mesoporous silica for carbon dioxide reforming of methane. <i>Science China Chemistry</i> , 2015, 58, 148-155.  | 4.2 | 20        |
| 12 | Direct hydroxylation of benzene to phenol using H <sub>2</sub> O <sub>2</sub> as an oxidant over vanadium-containing nitrogen doped mesoporous carbon catalysts. <i>RSC Advances</i> , 2016, 6, 87656-87664.  | 1.7 | 20        |
| 13 | Simultaneous Characterization of Solid Acidity and Basicity of Metal Oxide Catalysts via the Solid-State NMR Technique. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24094-24102.                      | 1.5 | 20        |
| 14 | Preparation and Characterization of Keggin Type Polyoxotungstates Containing Palladium or Iridium. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1997, 27, 551-566. | 1.8 | 19        |
| 15 | Reforming of CH <sub>4</sub> with CO <sub>2</sub> over Rh/β: Effect of Rhodium Dispersion on the Catalytic Activity and Coke Resistance. <i>Chinese Journal of Chemistry</i> , 2010, 28, 1864-1870.           | 2.6 | 17        |
| 16 | Crystalline three-dimensional cubic mesoporous niobium oxide. <i>CrystEngComm</i> , 2010, 12, 344-347.  | 1.3 | 17        |
| 17 | Formation of palladium concave nanocrystals via auto-catalytic tip overgrowth by interplay of reduction kinetics, concentration gradient and surface diffusion. <i>Nanoscale</i> , 2016, 8, 8673-8680.        | 2.8 | 17        |
| 18 | Self-assembly of Mesoporous Ni-P Nanosphere Catalyst with Uniform Size and Enhanced Catalytic Activity in Nitrobenzene Hydrogenation. <i>Topics in Catalysis</i> , 2012, 55, 1022-1031.                       | 1.3 | 16        |

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|----|---|-----|-----------|
| 19 | Direct synthesis of hierarchically porous TSâ€”1 through a solventâ€”evaporation route and its application as an oxidation catalyst. Applied Organometallic Chemistry, 2014, 28, 239-243.                     | 1.7 | 14        |
| 20 | Mixedâ€”Addenda Lindqvistâ€”Type Polyoxoanion [V<sub>2</sub>W<sub>4</sub>O<sub>19</sub>]<sup>4â€”</sup>â€”Supported Copper Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 472-477. | 0.6 | 13        |
| 21 | Construction of g-C3N4-mNb2O5 Composites with Enhanced Visible Light Photocatalytic Activity. Nanomaterials, 2018, 8, 427.  | 1.9 | 13        |
| 22 | Controllable preparation and structures of two zinc phosphonocarboxylate frameworks with MER and RHO zeolitic topologies. CrystEngComm, 2013, 15, 7056.   | 1.3 | 12        |
| 23 | Stabilisation of high-valent Cu<sup>3+</sup> in a Keggin-type polyoxometalate. Chemical Communications, 2020, 56, 2324-2327.  | 2.2 | 11        |
| 24 | Cerium promoted V-g-C<sub>3</sub>N<sub>4</sub> as highly efficient heterogeneous catalysts for the direct benzene hydroxylation. Royal Society Open Science, 2018, 5, 180371.                                 | 1.1 | 10        |
| 25 | Preparation and Characterization of Divanadium Pentoxide Nanowires inside SBAâ€”15 Channels. Chinese Journal of Chemistry, 2004, 22, 33-37.   | 2.6 | 9         |
| 26 | Three Polymeric Polyoxometalate Compounds Based on Twisted Polyâ€”Keggin Chains. European Journal of Inorganic Chemistry, 2013, 2013, 1821-1826.  | 1.0 | 8         |
| 27 | Preparation of free-standing mesoporous metal catalysts and their applications in heterogeneous enantioselective hydrogenations. Catalysis Science and Technology, 2015, 5, 638-649.                          | 2.1 | 8         |
| 28 | Effect of Calcination Temperature on Structure and Properties of Snâ€”Nb2O5/Î±-Al2O3 Catalyst for Ethylene Oxide Hydration. Catalysis Letters, 2008, 124, 85-90.  | 1.4 | 7         |
| 29 | Reforming of CH4 with CO2 over Co/Mgâ€”Al oxide catalyst. Chinese Chemical Letters, 2013, 24, 777-779.  | 4.8 | 7         |
| 30 | An aluminum promoted cesium salt of 12-tungstophosphoric acid: a catalyst for butane isomerization. Catalysis Science and Technology, 2013, 3, 2113.  | 2.1 | 7         |
| 31 | Four organicâ€”inorganic compounds based on polyoxometalates: crystal structures and catalytic epoxidation of styrene. Journal of Coordination Chemistry, 2014, 67, 506-521.                                  | 0.8 | 7         |
| 32 | The Effects of Exposed Specific Facets and Sulfation on the Surface Acidity of Cu<sub>2</sub>O Solids. Chemistry - A European Journal, 2019, 25, 14771-14774.   | 1.7 | 7         |
| 33 | A study on the acidity of sulfated CuO layers grown by surface reconstruction of Cu<sub>2</sub>O with specific exposed facets. Catalysis Science and Technology, 2020, 10, 3985-3993.                         | 2.1 | 7         |
| 34 | Determination of acid structures on the surface of sulfated monoclinic and tetragonal zirconia through experimental and theoretical approaches. Catalysis Science and Technology, 2022, 12, 596-605.          | 2.1 | 7         |
| 35 | Effect of Adsorbed Water Molecules on the Surface Acidity of Niobium and Tantalum Oxides Studied by MAS NMR. Journal of Physical Chemistry C, 2021, 125, 9330-9341.   | 1.5 | 5         |
| 36 | Honeycomb nanoscale-porous material constructed from copper complexes and mixed-addenda Lindqvist-type polyoxoanions. CrystEngComm, 2010, 12, 3522.   | 1.3 | 4         |

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|----|---|-----|-----------|
| 37 | Synthesis, Structure, and Properties of Two Supramolecular Compounds Based on Silicotungstic Acid and Transition Metal(II) Coordinated Isonicotinic Acid. Chinese Journal of Chemistry, 2012, 30, 759-764.  | 2.6 | 4         |
| 38 | Synthesis of Cs <sub>2.5</sub> H <sub>0.5</sub> PW <sub>12</sub> O <sub>40</sub> /TiO <sub>2</sub> Nanocomposites with Dominant TiO <sub>2</sub> {001} Facets and Related Photocatalytic Properties. Chinese Journal of Chemistry, 2014, 32, 1151-1156. | 2.6 | 4         |
| 39 | Improving Catalytic Stability and Coke Resistance of Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts with Ce Promoter for Relatively Low Temperature Dry Reforming of Methane Reaction. Chemical Research in Chinese Universities, 2022, 38, 1032-1040.     | 1.3 | 4         |
| 40 | H <sub>3</sub> PMo <sub>12</sub> O <sub>40</sub> Immobilized on Amine Functionalized SBA-15 as a Catalyst for Aldose Epimerization. Materials, 2020, 13, 507.   | 1.3 | 4         |
| 41 | Three Polyoxometalate-Based Coordination Polymers Constructed from the Same Dimetallic Cyclic Building Block. European Journal of Inorganic Chemistry, 2015, 2015, 488-493.   | 1.0 | 2         |
| 42 | Inside Cover: Effect of Brønsted/Lewis Acid Ratio on Conversion of Sugars to 5-Hydroxymethylfurfural over Mesoporous Nb and Nb-W Oxides (Chin. J. Chem. 10/2017). Chinese Journal of Chemistry, 2017, 35, 1480-1480.                                    | 2.6 | 0         |