# Zhong Sun

List of Publications by Year
in descending order

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Review: cascade reactions for conversion of carbohydrates using heteropolyacids as the solid catalysts. Biomass Conversion and Biorefinery, 2022, 12, 2313-2331. | 4.6 | 7 |
| 2 | Synthesis of recoverable thermosensitive Fe3O4 hybrid microgels with controllable catalytic activity. New Journal of Chemistry, 2020, 44, 19440-19444. | 2.8 | 2 |
| 3 | Highly efficient preparation of HMF from cellulose using temperature-responsive heteropolyacid catalysts in cascade reaction. Applied Catalysis B: Environmental, 2016, 196, 50-56. | 20.2 | 125 |
| 4 | Fabrication of H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>/agarose membrane for catalytic production of biodiesel through esterification and transesterification. RSC Advances, 2016, 6, 81794-81801. | 3.6 | 11 |
| 5 | Design of a Highly Efficient Indium-Exchanged Heteropolytungstic Acid for Glycerol Esterification with Acetic Acid. Catalysis Surveys From Asia, 2016, 20, 82-90. | 2.6 | 5 |
| 6 | Lysine functional heteropolyacid nanospheres as bifunctional acidâ€“base catalysts for cascade conversion of glucose to levulinic acid. Fuel, 2016, 164, 262-266. | 6.4 | 38 |
| 7 | Single step conversion of cellulose to levulinic acid using temperature-responsive dodeca-aluminotungstic acid catalysts. Green Chemistry, 2016, 18, 742-752. | 9.0 | 84 |
| 8 | Tailoring the Synergistic Bronsted-Lewis acidic effects in Heteropolyacid catalysts: Applied in Esterification and Transesterification Reactions. Scientific Reports, 2015, 5, 13764. | 3.3 | 41 |
| 9 | Fabrication of a Dendritic Heteropolyacid as Selfâ€Separated, Waterâ€Resistant Catalyst for Biodiesel Fuel Production. Energy Technology, 2015, 3, 871-877. | 3.8 | 2 |
| 10 | A highly active willow-derived sulfonated carbon material with macroporous structure for production of glucose. Cellulose, 2015, 22, 675-682. | 4.9 | 16 |
| 11 | A heteropoly acid ionic crystal containing Cr as an active catalyst for dehydration of monosaccharides to produce 5-HMF in water. Catalysis Science and Technology, 2015, 5, 2496-2502. | 4.1 | 48 |
| 12 | Fabrication of a micellar heteropolyacid with Lewisâ€“BrÃ¸nsted acid sites and application for the production of 5-hydroxymethylfurfural from saccharides in water. RSC Advances, 2015, 5, 30869-30876. | 3.6 | 26 |
| 13 | Hydrolysis and alcoholysis of polysaccharides with high efficiency catalyzed by a (C<sub>16</sub>TA)<sub>x</sub>H<sub>6âˆ’x</sub>P<sub>2</sub>W<sub>18</sub>O<sub>62</sub> nanoassembly. RSC Advances, 2015, 5, 94155-94163. | 3.6 | 14 |
| 14 | Conversion of highly concentrated fructose into 5-hydroxymethylfurfural by acidâ€“base bifunctional HPA nanocatalysts induced by choline chloride. RSC Advances, 2014, 4, 63055-63061. | 3.6 | 48 |
| 15 | A water-tolerant C16H3PW11CrO39 catalyst for the efficient conversion of monosaccharides into 5-hydroxymethylfurfural in a micellar system. RSC Advances, 2013, 3, 23051. | 3.6 | 27 |
| 16 | Acidâ€“base bifunctional HPA nanocatalysts promoting heterogeneous transesterification and esterification reactions. Catalysis Science and Technology, 2013, 3, 2204. | 4.1 | 50 |
| 17 | One-pot depolymerization of cellulose into glucose and levulinic acid by heteropolyacid ionic liquid catalysis. RSC Advances, 2012, 2, 9058. | 3.6 | 108 |