

# Yuanqing Wang

## List of Publications by Year in descending order

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27  
papers

664  
citations

567281

15  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of CO <sub>2</sub> by ionic liquid EMIM <sup>+</sup> BF <sub>4</sub> <sup>-</sup> in the electrochemical system: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23521-23531.	2.8	101
2	Selective conversion of glucose into lactic acid and acetic acid with copper oxide under hydrothermal conditions. <i>AIChE Journal</i> , 2013, 59, 2096-2104.	3.6	61
3	Fluctuating Storage of the Active Phase in a Mn <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> Catalyst for the Oxidative Coupling of Methane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14921-14926.	13.8	50
4	NaHCO <sub>3</sub> -enhanced hydrogen production from water with Fe and in situ highly efficient and autocatalytic NaHCO <sub>3</sub> reduction into formic acid. <i>Chemical Communications</i> , 2016, 52, 3316-3319.	4.1	43
5	Legitimate intermediates of oxygen evolution on iridium oxide revealed by in situ electrochemical evanescent wave spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15199-15204.	2.8	40
6	Surface Conditions That Constrain Alkane Oxidation on Perovskites. <i>ACS Catalysis</i> , 2020, 10, 7007-7020.	11.2	37
7	One-Pot Hydrothermal Conversion of Cellulose into Organic Acids with CuO as an Oxidant. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 7939-7946.	3.7	35
8	How to control selectivity in alkane oxidation?. <i>Chemical Science</i> , 2019, 10, 2429-2443.	7.4	28
9	Single-Site Vanadyl Species Isolated within Molybdenum Oxide Monolayers in Propane Oxidation. <i>ACS Catalysis</i> , 2019, 9, 4875-4886.	11.2	28
10	Towards Experimental Handbooks in Catalysis. <i>Topics in Catalysis</i> , 2020, 63, 1683-1699.	2.8	28
11	A reduced imidazolium cation layer serves as the active site for electrochemical carbon dioxide reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118495.	20.2	26
12	New insights into highly efficient reduction of CO <sub>2</sub> to formic acid by using zinc under mild hydrothermal conditions: a joint experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19836.	2.8	23
13	Direct and Highly Efficient Reduction of NiO into Ni with Cellulose under Hydrothermal Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 7853-7858.	3.7	21
14	Acid sites on silica-supported molybdenum oxides probed by ammonia adsorption: Experiment and theory. <i>Molecular Catalysis</i> , 2019, 478, 110580.	2.0	21
15	Fluctuating Storage of the Active Phase in a Mn <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> Catalyst for the Oxidative Coupling of Methane. <i>Angewandte Chemie</i> , 2020, 132, 15031-15036.	2.0	19
16	Oxygen Activation in Oxidative Coupling of Methane on Calcium Oxide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8018-8026.	3.1	16
17	Catalytic activity of Ni <sub>3</sub> S <sub>2</sub> and effects of reactor wall in hydrogen production from water with hydrogen sulphide as a reducer under hydrothermal conditions. <i>Applied Energy</i> , 2013, 104, 306-309.	10.1	15
18	A novel method for producing hydrogen from water with Fe enhanced by HS <sup>-</sup> under mild hydrothermal conditions. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 760-768.	7.1	15

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19	Effects of general zero-valent metals power of Co/W/Ni/Fe on hydrogen production with H <sub>2</sub> S as a reductant under hydrothermal conditions. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8878-8884.	7.1	10
20	Universally improving effect of mixed electron donors on the CO <sub>2</sub> fixing efficiency of non-photosynthetic microbial communities from marine environments. <i>Journal of Environmental Sciences</i> , 2014, 26, 1709-1716.	6.1	10
21	Effects of Metals and Ni <sub>3</sub> S <sub>2</sub> on Reactions of Sulfur Species (HS <sup>-</sup> , S, and S <sub>2</sub> O <sub>3</sub> <sup>2-</sup> ) under Alkaline Hydrothermal Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 5616-5625.	3.7	9
22	Kinetics and mechanism of reduction of CO <sub>2</sub> by glycerol under alkaline hydrothermal conditions. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9128-9134.	7.1	9
23	Oxygen Exchange on Vanadium Pentoxide. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3443-3456.	3.1	8
24	Hydrothermal Conversion of Cellulose into Organic Acids with a CuO Oxidant. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 31-59.	0.7	5
25	A model study of hydrothermal reactions of trigonal dipyramidal Zn <sub>5</sub> cluster with two water molecules. <i>Computational and Theoretical Chemistry</i> , 2015, 1070, 126-131.	2.5	3
26	Methanol Production By Reduction Of Formic Acid Over Cu Catalyst Under Hydrothermal Conditions. , 2010, , .		2
27	Hydrogen Generation from Water with Hydrogen Sulfide as a Reducer at the Mild Conditions. , 2010, , .		1