

# Bo Zhang

## List of Publications by Year in descending order

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10  
papers

352  
citations

1040056

9  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic performance of LaCeO mixed oxide for combustion of methane. <i>Catalysis Today</i> , 2010, 158, 348-353.	4.4	85
2	CO <sub>2</sub> capture properties of MCO <sub>3</sub> H (M=Li, Na, K) systems: A combined density functional theory and lattice phonon dynamics study. <i>Journal of Solid State Chemistry</i> , 2011, 184, 304-311.	2.9	74
3	Role of acidity of catalysts on methane combustion over Pd/ZSM-5. <i>Catalysis Communications</i> , 2007, 8, 880-884.	3.3	52
4	Development of a ReaxFF Reactive Force Field for Tetrabutylphosphonium Glycinate/CO <sub>2</sub> Mixtures. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12008-12016.	2.6	46
5	Density functional theory study of CO <sub>2</sub> capture with transition metal oxides and hydroxides. <i>Journal of Chemical Physics</i> , 2012, 136, 064516.	3.0	26
6	Catalytic Combustion of Methane over High Copper-Loading ZSM-5 Catalysts. <i>Journal of Natural Gas Chemistry</i> , 2007, 16, 258-265.	1.8	22
7	Numerical analysis of gasification and emission characteristics of a two-stage entrained flow gasifier. <i>Chemical Engineering Science</i> , 2016, 152, 227-238.	3.8	18
8	Effect of water on the performance of Pd-ZSM-5 catalysts for the combustion of methane. <i>Journal of Natural Gas Chemistry</i> , 2008, 17, 87-92.	1.8	16
9	Density functional theory studies on the electronic, structural, phonon dynamical and thermo-stability properties of bicarbonates MHCO <sub>3</sub> , M = Li, Na, K. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 325501.	1.8	11
10	Properties of Weakly Bound Molecular Oxygen on the Rutile TiO <sub>2</sub> (110) Surface from Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17151-17158.	3.1	2