

Liang Kong

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,341
citations

516710

16
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1986
citing authors

#	ARTICLE	IF	CITATIONS
1	Exceptional visible-light-driven photocatalytic activity over BiOBr@ZnFe ₂ O ₄ heterojunctions. <i>Chemical Communications</i> , 2011, 47, 5512-5514.	4.1	258
2	Unusual reactivity of visible-light-responsive AgBr@BiOBr heterojunction photocatalysts. <i>Journal of Catalysis</i> , 2012, 293, 116-125.	6.2	237
3	The hydrothermal synthesis of BiOBr flakes for visible-light-responsive photocatalytic degradation of methyl orange. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 212, 8-13.	3.9	201
4	Atomic-layer-deposition-enabled nonwoven membranes with hierarchical ZnO nanostructures for switchable water/oil separations. <i>Journal of Membrane Science</i> , 2015, 493, 478-485.	8.2	66
5	Visible-Light-Driven Photodegradation of Rhodamine B on Ag-Modified BiOBr. <i>Catalysis Letters</i> , 2012, 142, 771-778.	2.6	65
6	The direct solid-solid reaction between coal char and iron-based oxygen carrier and its contribution to solid-fueled chemical looping combustion. <i>Applied Energy</i> , 2016, 184, 9-18.	10.1	64
7	Enhancing the hydrophilicity and water permeability of polypropylene membranes by nitric acid activation and metal oxide deposition. <i>Journal of Membrane Science</i> , 2015, 487, 109-116.	8.2	59
8	Does noble metal modification improve the photocatalytic activity of BiOCl?. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 286-293.	4.4	57
9	Activation of ilmenite as an oxygen carrier for solid-fueled chemical looping combustion. <i>Applied Energy</i> , 2017, 197, 40-51.	10.1	50
10	Enhanced visible-light-driven photocatalytic activity of mesoporous TiO ₂ @xNx derived from the ethylenediamine-based complex. <i>Nanoscale</i> , 2013, 5, 5396.	5.6	43
11	Dye adsorption on zinc oxide nanoparticulates atomic-layer-deposited on polytetrafluoroethylene membranes. <i>AIChE Journal</i> , 2016, 62, 3982-3991.	3.6	38
12	Turning Low-Cost Filter Papers to Highly Efficient Membranes for Oil/Water Separation by Atomic-Layer-Deposition-Enabled Hydrophobization. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16516-16522.	3.7	32
13	Catalytic combustion of propane over mixed oxides derived from Cu _x Mg _{3-<i>x</i>} Al hydrotalcites. <i>Fuel</i> , 2012, 96, 257-263.	6.4	29
14	Rapid synthesis of BiOBr _{1-x} photocatalysts: Insights to the visible-light photocatalytic activity and strong deviation from Vegard's law. <i>Catalysis Today</i> , 2019, 335, 477-484.	4.4	27
15	Use of Carbon Steel for Construction of Post-combustion CO ₂ Capture Facilities: A Pilot-Scale Corrosion Study. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4792-4803.	3.7	26
16	Experimental evaluations of solid-fueled pressurized chemical looping combustion – The effects of pressure, solid fuel and iron-based oxygen carriers. <i>Applied Energy</i> , 2017, 195, 1012-1022.	10.1	21
17	Fischer-Tropsch Synthesis: Influence of Acid Treatment and Preparation Method on Carbon Nanotube Supported Ruthenium Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6408-6418.	3.7	15
18	Crosslinking of polyimide atomic-layer-deposited on polyethersulfone membranes for synergistically enhanced performances. <i>Journal of Membrane Science</i> , 2015, 486, 161-168.	8.2	14

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19	Bauxite-modified oxygen carrier for chemical looping combustion: A possible solution to the heat of combustion compensation. <i>Chemical Engineering Research and Design</i> , 2018, 131, 635-642.	5.6	14
20	Highly permeable and robust membranes assembled from block-copolymer-functionalized carbon nanotubes. <i>Journal of Membrane Science</i> , 2015, 493, 224-231.	8.2	10
21	Enhanced performances of polypropylene membranes by molecular layer deposition of polyimide. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 843-849.	3.5	8
22	Surface functionalization of carbon nanotubes by direct encapsulation with varying dosages of amphiphilic block copolymers. <i>Nanotechnology</i> , 2015, 26, 325601.	2.6	7