

Lin Zhong

List of Publications by Year in descending order

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papers

1,325
citations

394421

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36
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docs citations

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times ranked

1532
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#	ARTICLE	IF	CITATIONS
1	Enhanced Cooperative Activation Effect in the Hydrolytic Kinetic Resolution of Epoxides on [Co(salen)] Catalysts Confined in Nanocages. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6861-6865.	13.8	196
2	Pd or PdO: Catalytic active site of methane oxidation operated close to stoichiometric air-to-fuel for natural gas vehicles. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 73-81.	20.2	88
3	Particle Size Effects in Stoichiometric Methane Combustion: Structure-Activity Relationship of Pd Catalyst Supported on Gamma-Alumina. <i>ACS Catalysis</i> , 2020, 10, 10339-10349.	11.2	84
4	Direct catalytic asymmetric aldol reactions on chiral catalysts assembled in the interface of emulsion droplets. <i>Journal of Catalysis</i> , 2007, 250, 360-364.	6.2	79
5	Phase transformation and oxygen vacancies in Pd/ZrO ₂ for complete methane oxidation under lean conditions. <i>Journal of Catalysis</i> , 2019, 377, 565-576.	6.2	72
6	Transfer hydrogenation of aldehydes on amphiphilic catalyst assembled at the interface of emulsion droplets. <i>Green Chemistry</i> , 2008, 10, 608.	9.0	64
7	New insights into the role of Pd-Ce interface for methane activation on monolithic supported Pd catalysts: A step forward the development of novel PGM Three-Way Catalysts for natural gas fueled engines. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118475.	20.2	59
8	Crystallization of metastable β glycine from gas phase via the sublimation of α or γ form in vacuum. <i>Biophysical Chemistry</i> , 2008, 132, 18-22.	2.8	58
9	Synthesis of graphitic carbon nitride by heating mixture of urea and thiourea for enhanced photocatalytic H ₂ production from water under visible light. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 143-151.	7.1	55
10	Highly Uniform Pd Nanoparticles Supported on g-C ₃ N ₄ for Efficiently Catalytic Suzuki-Miyaura Reactions. <i>Catalysis Letters</i> , 2015, 145, 1388-1395.	2.6	44
11	Silicon carbide recovered from photovoltaic industry waste as photocatalysts for hydrogen production. <i>Journal of Hazardous Materials</i> , 2017, 329, 22-29.	12.4	41
12	Enhancement of activity and hydrothermal stability of Pd/ZrO ₂ -Al ₂ O ₃ doped by Mg for methane combustion under lean conditions. <i>Fuel</i> , 2017, 194, 368-374.	6.4	40
13	Pd nanoparticles embedded in mesoporous carbon: A highly efficient catalyst for Suzuki-Miyaura reaction. <i>Catalysis Today</i> , 2015, 243, 195-198.	4.4	39
14	Bifunctional Mesoporous Carbon Nitride: Highly Efficient Enzyme-like Catalyst for One-pot Deacetalization-Knoevenagel Reaction. <i>Scientific Reports</i> , 2015, 5, 12901.	3.3	31
15	An unexpected inversion of enantioselectivity in direct asymmetric aldol reactions on a unique L-proline/ β -Al ₂ O ₃ catalyst. <i>Journal of Catalysis</i> , 2006, 243, 442-445.	6.2	29
16	Active oxygen-promoted NO catalytic on monolithic Pt-based diesel oxidation catalyst modified with Ce. <i>Catalysis Today</i> , 2019, 327, 64-72.	4.4	27
17	Enhanced catalytic performance of a PdO catalyst prepared via a two-step method of in situ reduction-oxidation. <i>Chemical Communications</i> , 2017, 53, 6160-6163.	4.1	22
18	Enhanced activity and stability of the monolithic Pt/SiO ₂ -Al ₂ O ₃ diesel oxidation catalyst promoted by suitable tungsten additive amount. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 359-368.	5.8	20

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19	Pd promotion on the performance of Pd-based catalyst for emission control of natural gas driven vehicles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 323-331.	5.3	19
20	Glow Discharge Plasma-Assisted Preparation of Nickel-Based Catalyst for Carbon Dioxide Reforming of Methane. <i>Chinese Journal of Chemical Physics</i> , 2008, 21, 481-486.	1.3	17
21	Designed synthesis of Zr-based ceria-zirconia-neodymia composite with high thermal stability and its enhanced catalytic performance for Rh-only three-way catalyst. <i>Catalysis Science and Technology</i> , 2016, 6, 7437-7448.	4.1	16
22	Pd catalyst supported on $ZrO_2 \cdot Al_2O_3$ by double-solvent method for methane oxidation under lean conditions. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 1117-1123.	1.7	16
23	Catalytic performance of a Pt-Rh/CeO ₂ -ZrO ₂ -La ₂ O ₃ -Nd ₂ O ₃ three-way compress nature gas catalyst prepared by a modified double-solvent method. <i>Journal of Rare Earths</i> , 2017, 35, 857-866.	4.8	14
24	Effect of MO _x (M = Ce, Ni, Co, Mg) on activity and hydrothermal stability of Pd supported on ZrO ₂ -Al ₂ O ₃ composite for methane lean combustion. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 85, 176-185.	5.3	14
25	Evolution of Pd Species for the Conversion of Methane under Operation Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6255-6265.	3.7	14
26	Promotion of yttrium (Y) on the water resistance and hydrothermal stability of Pd/ZrO ₂ catalyst coated on the monolith for complete methane oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 103, 44-56.	5.3	12
27	Insight into Enhancement of NO Reduction with Methane by Multifunctional Catalysis over a Mixture of Ce/HZSM-5 and CoO _x in Excess of Oxygen. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13312-13317.	3.7	10
28	A novel strategy to design PtPd bimetallic catalysts for efficient methane combustion. <i>Catalysis Communications</i> , 2020, 135, 105900.	3.3	10
29	Pd Supported on Alumina Using CePO ₄ as an Additive: Phosphorus-Resistant Catalyst for Emission Control in Vehicles Fueled by Natural Gas. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6497-6505.	3.7	10
30	Methane Combustion with a Pd-Pt Catalyst Stabilized by Magnesia-Alumina Spinel in a High-Humidity Feed. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11170-11176.	3.7	9
31	Direct Asymmetric Aldol Reactions on Heterogeneous Bifunctional Catalyst. <i>Chinese Journal of Catalysis</i> , 2007, 28, 673-675.	14.0	8
32	Enhanced performance of a Pt-based three-way catalyst using a double-solvent method. <i>RSC Advances</i> , 2016, 6, 40366-40370.	3.6	8
33	Pd supported on alumina modified by phosphate: Highly phosphorus-resistant three-way catalyst for natural gas vehicles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 115, 108-116.	5.3	8
34	Ce-Zr-La/Al ₂ O ₃ prepared in a continuous stirred-tank reactor: a highly thermostable support for an efficient Rh-based three-way catalyst. <i>Dalton Transactions</i> , 2015, 44, 20484-20492.	3.3	7
35	Insights into the role of Pt on Pd catalyst stabilized by magnesia-alumina spinel on gamma-alumina for lean methane combustion: Enhancement of hydrothermal stability. <i>Molecular Catalysis</i> , 2020, 496, 111185.	2.0	7
36	Mesoporous yttria-zirconia solid solution with improved textural properties prepared via lauric acid-assisted synthesis. <i>Ceramics International</i> , 2020, 46, 25211-25219.	4.8	6

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37	Tuning the interactions among Ce, Pd and Rh over Ce-modified Pd-Rh three-way catalyst for exhaust treatment of natural gas vehicles. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105570.	6.7	5
38	Pd-based Catalysts by Colloid Synthesis Using Different Reducing Reagents for Complete Oxidation of Methane. <i>Catalysis Letters</i> , 2019, 149, 2098-2103.	2.6	4
39	High-surface-area mesoporous silica-yttria-zirconia ceramic materials prepared by coprecipitation method – the role of silicon. <i>Ceramics International</i> , 2022, 48, 21951-21960.	4.8	3
40	Pd-Based Catalyst on Alumina with Perovskite (La _{0.67} Fe _{0.83} Cu _{0.17} O ₃) to Reduce Ammonia Content in Natural Gas Exhaust. <i>Catalysis Letters</i> , 2021, 151, 3582-3591.	2.6	2
41	Effects of Zr Addition on the Performance of the Pd-Pt/Al ₂ O ₃ Catalyst for Lean-Burn Natural Gas Vehicle Exhaust Purification. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2015, 31, 1771-1779.	4.9	2