

Yaoqiang Chen

List of Publications by Year in descending order

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172386

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of lauric acid on the grain growth of CeO ₂ -ZrO ₂ -Y ₂ O ₃ -La ₂ O ₃ in different periods. Journal of Alloys and Compounds, 2022, 894, 162301.	2.8	7
2	Efficient monolithic MnO _x catalyst prepared by heat treatment for ozone decomposition. Environmental Science and Pollution Research, 2022, 29, 44324-44334.	2.7	5
3	Constructing a Pt/YMn ₂ O ₅ Interface to Form Multiple Active Centers to Improve the Hydrothermal Stability of NO Oxidation. ACS Applied Materials & Interfaces, 2022, 14, 20875-20887.	4.0	8
4	Carbon-resistant NiO-Y ₂ O ₃ -nanostructured catalysts derived from double-layered hydroxides for dry reforming of methane. Catalysis Today, 2021, 366, 103-113.	2.2	29
5	Enhancement effect of oxygen mobility over Ce _{0.5} Zr _{0.5} O ₂ catalysts doped by multivalent metal oxides for soot combustion. Fuel, 2021, 286, 119359.	3.4	40
6	Oxidation of methane to methanol over Pd@Pt nanoparticles under mild conditions in water. Catalysis Science and Technology, 2021, 11, 3493-3500.	2.1	23
7	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. Catalysis Letters, 2021, 151, 3582-3591.	1.4	2
8	Optimizing acid promoters of Ce-based NH ₃ -SCR catalysts for reducing NO _x emissions. Catalysis Today, 2021, 382, 34-41.	2.2	43
9	Correlation between the morphology of NH ₄ Al(OH) ₂ CO ₃ and the properties of CeO ₂ –ZrO ₂ /Al ₂ O ₃ material. Materials Chemistry and Physics, 2021, 266, 124552.	2.0	4
10	Tuning the interactions among Ce, Pd and Rh over Ce-modified Pd-Rh three-way catalyst for exhaust treatment of natural gas vehicles. Journal of Environmental Chemical Engineering, 2021, 9, 105570.	3.3	5
11	Enhanced Durability of Monolithic V ₂ O ₅ /WO ₃ /TiO ₂ Catalysts Prepared by a Novel One-Pot Method for the Selective Catalytic Reduction of NO _x with NH ₃ . Journal of Chemical Engineering of Japan, 2021, 54, 438-448.	0.3	0
12	The inhibition mechanism of H ₂ O at hydrothermal aging over Pt/SiO ₂ -Al ₂ O ₃ for NO oxidation. Journal of Environmental Chemical Engineering, 2021, 9, 105497.	3.3	4
13	Nano-size effects of NH ₄ Al(OH) ₂ CO ₃ on construction CeO ₂ -ZrO ₂ -Al ₂ O ₃ materials with high performance. Journal of Alloys and Compounds, 2021, 879, 160476.	2.8	3
14	Development of a thermally stable Pt catalyst by redispersion between CeO ₂ and Al ₂ O ₃ . RSC Advances, 2021, 11, 7015-7024.	1.7	15
15	Soot combustion over CeO ₂ catalyst: the influence of biodiesel impurities (Na, K, Ca, P) on surface chemical properties. Environmental Science and Pollution Research, 2021, 28, 26018-26029.	2.7	11
16	Precursor effects in preparation CeO ₂ -ZrO ₂ -Al ₂ O ₃ materials. Journal of Environmental Chemical Engineering, 2021, 9, 106558.	3.3	4
17	Comprehensive effect of tuning Cu/SAPO-34 crystals using PEG on the enhanced hydrothermal stability for NH ₃ -SCR. Catalysis Science and Technology, 2021, 11, 7640-7651.	2.1	13
18	Effect of the loading sequence of CeO ₂ and Pd over Al ₂ O ₃ on the catalytic performance of Pd-only close-coupled catalysts. Molecular Catalysis, 2020, 482, 100332.	1.0	10

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19	Factors determining gasoline soot abatement over CeO ₂ –ZrO ₂ -MnO catalysts under low oxygen concentration condition. <i>Journal of the Energy Institute</i> , 2020, 93, 774-783.	2.7	12
20	Bifunctional roles of Nd ₂ O ₃ on improving the redox property of CeO ₂ –ZrO ₂ –Al ₂ O ₃ materials. <i>Materials Chemistry and Physics</i> , 2020, 240, 122150.	2.0	7
21	Design and synthesize highly active Pd-only three-way catalyst by optimizing the reducibility of CeO ₂ -ZrO ₂ -Al ₂ O ₃ support. <i>Molecular Catalysis</i> , 2020, 482, 110696.	1.0	3
22	Role of acidity in catalytic cracking of n-decane over supported Pt-based catalysts. <i>Applied Surface Science</i> , 2020, 507, 145113.	3.1	18
23	Preparation of nanostructured CeO ₂ -ZrO ₂ -based materials with stabilized surface area and their catalysis in soot oxidation. <i>Applied Surface Science</i> , 2020, 505, 144301.	3.1	29
24	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.	10.8	59
25	Designed synthesis of highly active CeO ₂ -ZrO ₂ -Al ₂ O ₃ support materials with optimized surface property for Pd-only three-way catalysts. <i>Applied Surface Science</i> , 2020, 506, 144866.	3.1	15
26	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.	2.7	8
27	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.	1.0	7
28	Catalytic performance promoted on Pt-based diesel oxidation catalyst assisted by polyvinyl alcohol. <i>Environmental Science and Pollution Research</i> , 2020, 27, 41824-41838.	2.7	7
29	Entropy-stabilized single-atom Pd catalysts via high-entropy fluorite oxide supports. <i>Nature Communications</i> , 2020, 11, 3908.	5.8	172
30	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.	5.5	84
31	Fabricate surface structure-stabilized Cu/BEA with hydrothermal-resistant via si-deposition for NO _x abatement. <i>Molecular Catalysis</i> , 2020, 495, 111153.	1.0	4
32	Grain size effect on the high-temperature hydrothermal stability of Cu/SAPO-34 catalysts for NH ₃ -SCR. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104559.	3.3	20
33	Improved low-temperature catalytic oxidation performance of Pt-based catalysts by modulating the electronic and size effects. <i>New Journal of Chemistry</i> , 2020, 44, 10500-10506.	1.4	7
34	Solvent Effects on the Low-Temperature NH ₃ –SCR Activity and Hydrothermal Stability of WO ₃ /SiO ₂ @CeZrO _x Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13418-13429.	3.2	20
35	Optimization of Hybrid Crystal with SAPO-5/34 on Hydrothermal Stability for deNO _x Reaction by NH ₃ . <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1249-1254.	1.3	6
36	Comparative activity and hydrothermal stability of FeO _x - and CeO ₂ -doped Pt-based catalysts for eliminating diesel emissions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104361.	3.3	10

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37	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.	1.8	9
38	Effect of a mixed precursor over monolith MnO _x /La–Al ₂ O ₃ catalyst for toluene oxidation. <i>New Journal of Chemistry</i> , 2020, 44, 10859-10869.	1.4	8
39	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.	1.8	10
40	A simple and effective method to synthesize Pt/CeO ₂ three-way catalysts with high activity and hydrothermal stability. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104236.	3.3	26
41	Promotional effects of ascorbic acid on the low-temperature catalytic activity of selective catalytic oxidation of ammonia over Pt/SA: effect of Pt ⁰ content. <i>New Journal of Chemistry</i> , 2020, 44, 4108-4113.	1.4	14
42	Synthesis of a High-Stability Nanosized Pt-Loaded MgAl ₂ O ₄ Catalyst for <i>n</i> -Decane Cracking with Enhanced Activity and Durability. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4338-4347.	1.8	15
43	Enhancement of the Hydrothermal Stability of WO ₃ /Ce _{0.68} Zr _{0.32} O ₂ Catalyst by Silica Modification for NH ₃ -SCR. <i>ACS Applied Energy Materials</i> , 2020, 3, 1161-1170.	2.5	19
44	Toluene oxidation over monolithic MnO _x /La–Al ₂ O ₃ catalyst prepared by a CTAB-assisted impregnation method. <i>Applied Surface Science</i> , 2020, 526, 146714.	3.1	30
45	The preparation of Pd/CeO ₂ –ZrO ₂ –Al ₂ O ₃ catalyst with superior structural stability: effect of zirconia incorporation method. <i>Journal of Materials Science</i> , 2020, 55, 9993-10008.	1.7	3
46	Designed synthesis of nanostructured Al ₂ O ₃ stabilized homogeneous CeO ₂ –ZrO ₂ solid solution as highly active support for Pd-only three-way catalyst. <i>Molecular Catalysis</i> , 2019, 477, 110513.	1.0	8
47	Key role of NO + C ₃ H ₈ reaction for the elimination of NO in automobile exhaust by three-way catalyst. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26071-26081.	2.7	4
48	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.	2.7	12
49	Different thermal behavior of nanostructured CeO ₂ –ZrO ₂ based oxides with varied Ce/Zr molar ratios. <i>Materials Chemistry and Physics</i> , 2019, 236, 121767.	2.0	10
50	Design and Synthesis of Highly-Dispersed WO ₃ Catalyst with Highly Effective NH ₃ –SCR Activity for NO _x Abatement. <i>ACS Catalysis</i> , 2019, 9, 11557-11562.	5.5	50
51	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.	3.1	72
52	Structure, surface and reactivity of activated carbon: From model soot to Bio Diesel soot. <i>Fuel</i> , 2019, 257, 116038.	3.4	49
53	Novel Cu-Based CHA/AFI Hybrid Crystal Structure Catalysts Synthesized for NH ₃ -SCR. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18046-18054.	1.8	22
54	Soot oxidation over CeO ₂ –ZrO ₂ based catalysts: The influence of external surface and low-temperature reducibility. <i>Molecular Catalysis</i> , 2019, 467, 16-23.	1.0	20

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55	Investigation of the selective catalytic reduction of NO with NH ₃ over the WO ₃ /Ce _{0.68} Zr _{0.32} O ₂ catalyst: the role of H ₂ O in SO ₂ inhibition. <i>New Journal of Chemistry</i> , 2019, 43, 2258-2268.	1.4	12
56	Pd-based Catalysts by Colloid Synthesis Using Different Reducing Reagents for Complete Oxidation of Methane. <i>Catalysis Letters</i> , 2019, 149, 2098-2103.	1.4	4
57	New Insights into Excellent Catalytic Performance of the Ce-Modified Catalyst for NO Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7876-7885.	1.8	16
58	The promotion effect of tungsten on monolith Pt/Ce _{0.65} Zr _{0.35} O ₂ catalysts for the catalytic oxidation of toluene. <i>New Journal of Chemistry</i> , 2019, 43, 5719-5726.	1.4	30
59	Optimally designed synthesis of advanced Pd-Rh bimetallic three-way catalyst. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2516-2526.	0.9	8
60	Promotional effects of ethylenediamine on the low-temperature catalytic activity of selective catalytic oxidation of ammonia over Pt/SiAlOx: States and particle sizes of Pt. <i>Applied Surface Science</i> , 2019, 481, 1344-1351.	3.1	23
61	Evolution of Pd Species for the Conversion of Methane under Operation Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6255-6265.	1.8	14
62	The regulation of reaction processes and rate-limiting steps for efficient photocatalytic CO ₂ reduction into methane over the tailored facets of TiO ₂ . <i>Catalysis Science and Technology</i> , 2019, 9, 1451-1456.	2.1	7
63	Preparation of Ce _{0.5} Zr _{0.5} O ₂ -Al ₂ O ₃ with high-temperature sintering resistance and its supported Pd-only three-way catalyst. <i>Journal of Materials Science</i> , 2019, 54, 2796-2813.	1.7	7
64	The promotion effects of TiO ₂ on the selective catalytic reduction of NO _x with NH ₃ over Ce ₂ WO ₃ /ZrO ₂ : The catalytic performance and reaction route. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1274-1282.	0.9	4
65	A novel insight into the preparation method of Pd/Ce _{0.75} Zr _{0.25} O ₂ -Al ₂ O ₃ over high-stability close coupled catalysts. <i>Applied Surface Science</i> , 2019, 467-468, 723-739.	3.1	8
66	Enhanced activity and hydrothermal stability of Rh-based three-way catalyst for emission control from motorcycles with the assistance of monoethanolamine. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 127-136.	2.9	14
67	Active oxygen-promoted NO catalytic on monolithic Pt-based diesel oxidation catalyst modified with Ce. <i>Catalysis Today</i> , 2019, 327, 64-72.	2.2	27
68	Advanced Insight into the Size Effect of PtPd Nanoparticles on NO Oxidation by <i>in Situ</i> FTIR Spectra. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 3887-3897.	1.8	19
69	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.	2.7	14
70	Hydrothermal deactivation over CuFe/BEA for NH ₃ -SCR. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 40-50.	2.9	20
71	Designed synthesis of semi-embedded Pd over CeO ₂ -ZrO ₂ /Al ₂ O ₃ as advanced three-way catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 85, 98-105.	2.7	12
72	Study on hydrothermal deactivation of Pt/MnO _x -CeO ₂ for NO _x -assisted soot oxidation: redox property, surface nitrates, and oxygen vacancies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16061-16070.	2.7	16

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73	CeO ₂ –ZrO ₂ –Al ₂ O ₃ Modified by Selective Doping with SrO for Improved Pd-Only Three-Way Catalyst. Russian Journal of Physical Chemistry A, 2018, 92, 696-705.	0.1	5
74	Designed synthesis and characterization of nanostructured ceria-zirconia based material with enhanced thermal stability and its application in three-way catalysis. Journal of Industrial and Engineering Chemistry, 2018, 64, 219-229.	2.9	25
75	Effect of valence state and particle size on NO oxidation in fresh and aged Pt-based diesel oxidation catalysts. Applied Surface Science, 2018, 443, 336-344.	3.1	23
76	The effective promotion of trace amount of Cu on Ce/WO ₃ –ZrO ₂ –TiO ₂ monolithic catalyst for the low-temperature NH ₃ –SCR of NO _x . Canadian Journal of Chemical Engineering, 2018, 96, 1168-1175.	0.9	10
77	New insight into the microstructure–thermal stability relationships in ceria-zirconia solid solution and the application in Pd-only three-way catalyst. Journal of Industrial and Engineering Chemistry, 2018, 60, 102-113.	2.9	9
78	Promotional effect of Al ₂ O ₃ on WO ₃ /CeO ₂ –ZrO ₂ monolithic catalyst for selective catalytic reduction of nitrogen oxides with ammonia after hydrothermal aging treatment. Applied Surface Science, 2018, 427, 656-669.	3.1	31
79	Preparation of a monolith MnO _x –CeO ₂ /La–Al ₂ O ₃ catalyst and its properties for catalytic oxidation of toluene. New Journal of Chemistry, 2018, 42, 16875-16885.	1.4	20
80	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. Industrial & Engineering Chemistry Research, 2018, 57, 13312-13317.	1.8	10
81	New Insights into the Role of Nd in CeO ₂ –ZrO ₂ –Al ₂ O ₃ Composite and Supported Pd Catalyst. Russian Journal of Physical Chemistry A, 2018, 92, 1689-1698.	0.1	1
82	P promotion on the performance of Pd-based catalyst for emission control of natural gas driven vehicles. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 323-331.	2.7	19
83	A new understanding of CeO ₂ –ZrO ₂ catalysts calcinated at different temperatures: Reduction property and soot-O ₂ reaction. Applied Catalysis A: General, 2018, 563, 204-215.	2.2	29
84	Dispersion improvement and activity promotion of Pt catalysts supported on a Ce-based support by pH adjustment. New Journal of Chemistry, 2018, 42, 15639-15647.	1.4	1
85	MnO _x –CeO ₂ mixed oxides as the catalyst for NO-assisted soot oxidation: The key role of NO adsorption/desorption on catalytic activity. Applied Surface Science, 2018, 462, 678-684.	3.1	43
86	Sulfur deactivation mechanism of Pt/MnO _x –CeO ₂ for soot oxidation: Surface property study. Applied Surface Science, 2017, 396, 560-565.	3.1	24
87	Promotion of catalytic performance by adding W into Pt/ZrO ₂ catalyst for selective catalytic oxidation of ammonia. Applied Surface Science, 2017, 402, 323-329.	3.1	56
88	Effect of high temperature pretreatment on the thermal resistance properties of Pd/CeO ₂ /Al ₂ O ₃ close-coupled catalysts. Journal of Rare Earths, 2017, 35, 149-157.	2.5	19
89	Interactional effect of cerium and manganese on NO catalytic oxidation. Environmental Science and Pollution Research, 2017, 24, 9314-9324.	2.7	24
90	Enhancement of activity and hydrothermal stability of Pd/ZrO ₂ –Al ₂ O ₃ doped by Mg for methane combustion under lean conditions. Fuel, 2017, 194, 368-374.	3.4	40

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91	Promotional effects of Titanium additive on the surface properties, active sites and catalytic activity of W/CeZrO _x monolithic catalyst for the selective catalytic reduction of NO _x with NH ₃ . Applied Surface Science, 2017, 419, 697-707.	3.1	32
92	Promotional effect of lanthana on the high-temperature thermal stability of Pt/TiO ₂ /sulfur-resistant diesel oxidation catalysts. RSC Advances, 2017, 7, 19318-19329.	1.7	27
93	Effects of contact model and NO _x on soot oxidation activity over Pt/MnO _x -CeO ₂ and the reaction mechanisms. Chemical Engineering Journal, 2017, 327, 1066-1076.	6.6	49
94	Enhanced activity and stability of the monolithic Pt/SiO ₂ -Al ₂ O ₃ diesel oxidation catalyst promoted by suitable tungsten additive amount. Journal of Industrial and Engineering Chemistry, 2017, 54, 359-368.	2.9	20
95	Effect of the calcination temperature of cerium-zirconium mixed oxides on the structure and catalytic performance of WO ₃ /CeZrO ₂ monolithic catalyst for selective catalytic reduction of NO _x with NH ₃ . RSC Advances, 2017, 7, 24177-24187.	1.7	26
96	Synthesis and study of nanostructured Ce-Zr-La-RE-O (RE = Y, Nd and Pr) quaternary solid solutions and their supported three-way catalysts. Materials and Design, 2017, 130, 149-156.	3.3	31
97	Preparation of CeO ₂ -ZrO ₂ -Al ₂ O ₃ composite with layered structure for improved Pd-only three-way catalyst. Journal of Materials Science, 2017, 52, 9615-9629.	1.7	12
98	The influence of H ₂ O ₂ on the properties of CeO ₂ -ZrO ₂ mixed oxides. Journal of Materials Science, 2017, 52, 5242-5255.	1.7	17
99	Remarkably promoted low-temperature reducibility and thermal stability of CeO ₂ -ZrO ₂ -La ₂ O ₃ -Nd ₂ O ₃ by a urea-assisted low-temperature (90°C) hydrothermal procedure. Journal of Materials Science, 2017, 52, 5894-5907.	1.7	11
100	Pd catalyst supported on ZrO ₂ -Al ₂ O ₃ by double-solvent method for methane oxidation under lean conditions. Canadian Journal of Chemical Engineering, 2017, 95, 1117-1123.	0.9	16
101	Effect of Si islands on low-temperature hydrothermal stability of Cu/SAPO-34 catalyst for NH ₃ -SCR. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 288-294.	2.7	23
102	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. Journal of Rare Earths, 2017, 35, 857-866.	2.5	14
103	Neodymium promotion on the low-temperature hydrothermal stability of a Cu/SAPO-34 NH ₃ -SCR monolith catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 805-812.	2.7	27
104	Pd or PdO: Catalytic active site of methane oxidation operated close to stoichiometric air-to-fuel for natural gas vehicles. Applied Catalysis B: Environmental, 2017, 219, 73-81.	10.8	88
105	Promotion of catalytic performance by adding Cu into Pt/ZSM-5 catalyst for selective catalytic oxidation of ammonia. Journal of the Taiwan Institute of Chemical Engineers, 2017, 78, 401-408.	2.7	44
106	Effect of surface tension on the properties of a doped CeO ₂ -ZrO ₂ composite and its application in a Pd-only three-way catalyst. RSC Advances, 2016, 6, 66524-66536.	1.7	11
107	A study on H ₂ -TPR of Pt/Ce _{0.27} Zr _{0.73} O ₂ and Pt/Ce _{0.27} Zr _{0.70} La _{0.03} O _x for soot oxidation. Applied Surface Science, 2016, 377, 48-55.	3.1	59
108	Enhanced performance of a Pt-based three-way catalyst using a double-solvent method. RSC Advances, 2016, 6, 40366-40370.	1.7	8

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109	Modification of the thermal stability of doped CeO ₂ -ZrO ₂ mixed oxides with the addition of triethylamine and its application as a Pd-only three-way catalyst. <i>Journal of Materials Science</i> , 2016, 51, 4283-4295.	1.7	15
110	Effectively promote catalytic performance by adjusting W/Fe molar ratio of FeW _x /Ce _{0.68} Zr _{0.32} O ₂ monolithic catalyst for NH ₃ -SCR. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 334-345.	2.9	45
111	The modification of Ag/Al ₂ O ₃ catalyst and application of combined catalysts in methanol-SCR of NO. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 2117-2123.	0.9	1
112	The influence of precipitation temperature on the properties of ceria-zirconia solid solution composites. <i>Journal of Alloys and Compounds</i> , 2015, 628, 213-221.	2.8	30
113	A highly efficient Rh-modified Pd/Al ₂ O ₃ close-coupled catalyst. <i>Chinese Journal of Catalysis</i> , 2015, 36, 229-236.	6.9	10
114	Promotion of a Pd/Al ₂ O ₃ close-coupled catalyst by Ni. <i>Chinese Journal of Catalysis</i> , 2015, 36, 994-1000.	6.9	11
115	Cerium promotion on the hydrocarbon resistance of a Cu-SAPO-34 NH ₃ -SCR monolith catalyst. <i>Catalysis Science and Technology</i> , 2015, 5, 4511-4521.	2.1	43
116	New insights into the structure of a CeO ₂ -ZrO ₂ -Al ₂ O ₃ composite and its influence on the performance of the supported Pd-only three-way catalyst. <i>Catalysis Science and Technology</i> , 2015, 5, 4488-4500.	2.1	51
117	Preparation of ceria-zirconia by modified coprecipitation method and its supported Pd-only three-way catalyst. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 404-416.	5.0	65
118	Catalytic performance of Pt-Rh/CeZrYLa+LaAl with stoichiometric natural gas vehicles emissions. <i>Chinese Journal of Catalysis</i> , 2015, 36, 290-298.	6.9	12
119	Synthesis of Zirconia-Palladium Core-Shell Nanoparticles as Three-Way Catalysts. <i>Catalysis Letters</i> , 2015, 145, 1420-1428.	1.4	3
120	Size-dependent CO and propylene oxidation activities of platinum nanoparticles on the monolithic Pt/TiO ₂ -YO _x diesel oxidation catalyst under simulative diesel exhaust conditions. <i>Catalysis Science and Technology</i> , 2015, 5, 2358-2365.	2.1	45
121	Promotion of CeO ₂ -ZrO ₂ -Al ₂ O ₃ composite by selective doping with barium and its supported Pd-only three-way catalyst. <i>Journal of Molecular Catalysis A</i> , 2015, 410, 100-109.	4.8	40
122	Effect of Y on improving the thermal stability of MnO _x -CeO ₂ catalysts for diesel soot oxidation. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1333-1341.	6.9	33
123	Effects of Nd on the properties of CeO ₂ -ZrO ₂ and catalytic activities of three-way catalysts with low Pt and Rh. <i>Journal of Alloys and Compounds</i> , 2015, 621, 104-115.	2.8	27
124	The performance of Pt/Zr _x Ti _x Al _{1-2x} O ₂ as Kerosene cracking catalysts. <i>Chinese Journal of Catalysis</i> , 2014, 35, 175-184.	6.9	10
125	The influence of molar ratios of Ce/Zr on the selective catalytic reduction of NO _x with NH ₃ over Fe ₂ O ₃ -WO ₃ /Ce _x Zr _{1-x} O ₂ (0 ≤ x ≤ 1) monolith catalyst. <i>Science Bulletin</i> , 2014, 59, 3956-3965.	1.7	11
126	Effect of yttria in Pt/TiO ₂ on sulfur resistance diesel oxidation catalysts: enhancement of low-temperature activity and stability. <i>Catalysis Science and Technology</i> , 2014, 4, 3032-3043.	2.1	46

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127	Effects of ZnO content on the performance of Pd/Zr _{0.5} Al _{0.5} O _{1.75} catalysts used in lean-burn natural gas vehicles. Chinese Journal of Catalysis, 2014, 35, 1157-1165.	6.9	11
128	The effect of synthesis method on the properties and catalytic performance of Pd/Ce _{0.5} Zr _{0.5} O ₂₋₃ three-way catalyst. Journal of Molecular Catalysis A, 2014, 394, 10-21.	4.8	40
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