

Xiaodong Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154
papers

4,938
citations

41
h-index

62
g-index

158
ext. papers

5,910
ext. citations

7.3
avg, IF

5.89
L-index

#	Paper	IF	Citations
154	A strategy to construct a highly active CoP/SrTiO(Al) catalyst to boost the photocatalytic overall water splitting reactions.. <i>Nanoscale</i> , 2022 ,	7.7	1
153	Effects of MoOx on dispersion of vanadia and low-temperature NH3-SCR activity of titania supported catalysts: Liquid acidity and steric hindrance. <i>Applied Surface Science</i> , 2022 , 585, 152710	6.7	1
152	Model Ag/CeO2 catalysts for soot combustion: Roles of silver species and catalyst stability. <i>Chemical Engineering Journal</i> , 2022 , 430, 132802	14.7	1
151	Ozone-assisted diesel soot combustion over Mn2O3 catalysts: A tandem work of different reactive phases. <i>Journal of Catalysis</i> , 2022 , 408, 56-63	7.3	1
150	A simple model catalyst study to distinguish the roles of different oxygen species in propane and soot combustion. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121331	21.8	1
149	Ag-modified SmMn2O5 catalysts for CO and C3H8 oxidation. <i>Catalysis Communications</i> , 2022 , 167, 106456	5.6	0
148	Improved Hydrothermal Durability of Cu-SSZ-13 NH3-SCR Catalyst by Surface Al Modification: Affinity and Passivation. <i>Journal of Catalysis</i> , 2021 , 405, 199-199	7.3	3
147	Single Atomic Pt on SrTiO3 Catalyst in Reverse Water Gas Shift Reactions. <i>Catalysts</i> , 2021 , 11, 738	4	1
146	Structures and catalytic performances of Me/SAPO-34 (Me=[Mn, Ni, Co) catalysts for low-temperature SCR of NO by ammonia. <i>Journal of Environmental Sciences</i> , 2021 , 104, 137-149	6.4	6
145	A basic comprehensive study on synergetic effects among the metal oxides in CeO2-WO3/TiO2 NH3-SCR catalyst. <i>Chemical Engineering Journal</i> , 2021 , 421, 127833	14.7	9
144	Quasi- quantification of Cu(II) ions in Cu-SSZ-13 catalyst by an NH temperature-programmed reduction method. <i>Chemical Communications</i> , 2021 , 57, 1891-1894	5.8	6
143	Nitrogen doped graphene quantum dots as a cocatalyst of SrTiO3(Al)/CoOx for photocatalytic overall water splitting. <i>Catalysis Science and Technology</i> , 2021 , 11, 3039-3046	5.5	5
142	Controllable synthesis of argentum decorated CuO@CeO catalyst and its highly efficient performance for soot oxidation. <i>Journal of Rare Earths</i> , 2021 ,	3.7	1
141	Ni single atoms anchored on nitrogen-doped graphene as H2-Evolution cocatalyst of SrTiO3(Al)/CoOx for photocatalytic overall water splitting. <i>Carbon</i> , 2021 , 183, 763-773	10.4	6
140	Highly reactive and thermally stable Ag/YSZ catalysts with macroporous fiber-like morphology for soot combustion. <i>Applied Catalysis B: Environmental</i> , 2021 , 294, 120271	21.8	8
139	High-surface-area SmMn2O5 nanosheets with crystal orientation for propane combustion: A facile microwave-assisted hydrothermal method. <i>Fuel</i> , 2021 , 306, 121685	7.1	0
138	Robust /TiO2 Catalysts for Hydrocarbon Combustion: Effects of Pt-TiOx Interaction and Sulfates. <i>ACS Catalysis</i> , 2020 , 10, 13543-13548	13.1	11

137	Deposition of Potassium Salts on Soot Oxidation Activity of Cu-SSZ-13 as a SCRF Catalyst: Laboratory Study. <i>Catalysis Surveys From Asia</i> , 2020 , 24, 250-258	2.8	3
136	Cu-Mn-Ce mixed oxides catalysts for soot oxidation and their mechanistic chemistry. <i>Applied Surface Science</i> , 2020 , 512, 145602	6.7	12
135	SmMn ₂ O ₅ catalysts modified with silver for soot oxidation: Dispersion of silver and distortion of mullite. <i>Applied Catalysis B: Environmental</i> , 2020 , 273, 119058	21.8	22
134	Relationships between copper speciation and Brønsted acidity evolution over Cu-SSZ-13 during hydrothermal aging. <i>Applied Catalysis A: General</i> , 2020 , 602, 117650	5.1	14
133	The controlled preparation and performance of Fe, Co-modified porous ceria nanorods for the total oxidation of propane. <i>Molecular Catalysis</i> , 2020 , 480, 110663	3.3	8
132	Critical roles of Cu(OH) ₂ in low-temperature moisture-induced degradation of Cu-SAPO-34 SCR catalyst: Correlating reversible and irreversible deactivation. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119306	21.8	12
131	Potassium deactivation of Cu-SSZ-13 catalyst for NH ₃ -SCR: Evolution of salts, zeolite and copper species. <i>Chemical Engineering Journal</i> , 2020 , 383, 123080	14.7	24
130	V _x Mn _(4-x) Mo ₃ Ce ₃ /Ti catalysts for selective catalytic reduction of NO by NH ₃ . <i>Journal of Environmental Sciences</i> , 2020 , 88, 145-154	6.4	5
129	Size effect of Pt nanoparticles in acid-assisted soot oxidation in the presence of NO. <i>Journal of Environmental Sciences</i> , 2020 , 94, 64-71	6.4	2
128	Effects of SiO ₂ modification on the hydrothermal stability of the V ₂ O ₅ /WO ₃ /TiO ₂ NH ₃ -SCR catalyst: TiO ₂ structure and vanadia species. <i>Catalysis Science and Technology</i> , 2019 , 9, 3711-3720	5.5	9
127	Crystal orientation-dependent activity of tungsten-based catalysts for selective catalytic reduction of NO _x with NH ₃ . <i>Journal of Catalysis</i> , 2019 , 375, 294-303	7.3	11
126	Low-Temperature Solid-State Ion-Exchange Method for Preparing Cu-SSZ-13 Selective Catalytic Reduction Catalyst. <i>ACS Catalysis</i> , 2019 , 9, 6962-6973	13.1	27
125	Synthesizing multilayer graphene from amorphous activated carbon via ammonia-assisted hydrothermal method. <i>Carbon</i> , 2019 , 152, 24-32	10.4	17
124	Ozone activated Ag/CeO ₂ catalysts for soot combustion: The surface and structural influences. <i>Chemical Engineering Journal</i> , 2019 , 375, 121961	14.7	17
123	A comprehensive study on sulfur tolerance of niobia modified CeO ₂ /WO ₃ -TiO ₂ catalyst for low-temperature NH ₃ -SCR. <i>Applied Catalysis A: General</i> , 2019 , 580, 121-130	5.1	19
122	A robust core-shell silver soot oxidation catalyst driven by Co ₃ O ₄ : Effect of tandem oxygen delivery and Co ₃ O ₄ -CeO ₂ synergy. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 132-142	21.8	45
121	Deactivation of Cu-SAPO-34 by urea-related deposits at low temperatures and the regeneration. <i>Journal of Environmental Sciences</i> , 2019 , 81, 43-51	6.4	4
120	Thermally stable Ag/Al ₂ O ₃ confined catalysts with high diffusion-induced oxidation activity. <i>Catalysis Today</i> , 2019 , 332, 189-194	5.3	9

119	Tuning nonstoichiometric defects in single-phase MnOx for methane complete oxidation. <i>Molecular Catalysis</i> , 2019 , 467, 120-127	3.3	5
118	Atomic palladium on graphitic carbon nitride as a hydrogen evolution catalyst under visible light irradiation. <i>Communications Chemistry</i> , 2019 , 2,	6.3	35
117	Enhanced low-temperature NO oxidation by iron-modified MnO2 catalysts. <i>Catalysis Communications</i> , 2019 , 119, 139-143	3.2	10
116	Pd Catalyst of Core-Shell Structure for Low Temperature Oxidation of Toluene Under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1761-1769	3.8	14
115	Quantitative control and identification of copper species in CuSAPO-34: a combined UV-vis spectroscopic and H2-TPR analysis. <i>Research on Chemical Intermediates</i> , 2019 , 45, 1309-1325	2.8	9
114	SO2 promoted V2O5-MoO3/TiO2 catalyst for NH3-SCR of NO at low temperatures. <i>Applied Catalysis A: General</i> , 2019 , 570, 42-50	5.1	40
113	Ceria-modified WO3-TiO2-SiO2 monolithic catalyst for high-temperature NH3-SCR. <i>Catalysis Communications</i> , 2019 , 120, 55-58	3.2	18
112	Simple Strategy Generating Hydrothermally Stable Core-Shell Platinum Catalysts with Tunable Distribution of Acid Sites. <i>ACS Catalysis</i> , 2018 , 8, 2796-2804	13.1	23
111	A high-surface-area La-Ce-Mn mixed oxide with enhanced activity for CO and C3H8 oxidation. <i>Catalysis Communications</i> , 2018 , 105, 26-30	3.2	12
110	Sulphation and ammonia regeneration of a Pt/MnOx/TiO2/Al2O3 catalyst for NOx-assisted soot oxidation. <i>Catalysis Science and Technology</i> , 2018 , 8, 1621-1631	5.5	10
109	Urea-related reactions and their active sites over Cu-SAPO-34: Formation of NH3 and conversion of HNCO. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 198-208	21.8	16
108	TRA and DRIFTS studies of the fast SCR reaction over CeO2/TiO2 catalyst at low temperatures. <i>Applied Catalysis A: General</i> , 2018 , 557, 46-54	5.1	40
107	Controlled pore size of Pt/KIT-6 used for propane total oxidation. <i>Rare Metals</i> , 2018 , 37, 123-128	5.5	8
106	Fabrication of hollow-structured FeO-MnO oxidative catalysts with ultra-large surface area. <i>Catalysis Communications</i> , 2018 , 104, 13-16	3.2	11
105	Roles of cobalt and cerium species in three-dimensionally ordered macroporous CoCeO catalysts for the catalytic oxidation of diesel soot. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 579-587	9.3	23
104	Study of Ag promoted Fe2O3@CeO2 as superior soot oxidation catalysts: The role of Fe2O3 crystal plane and tandem oxygen delivery. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 251-262	21.8	57
103	MnOx/CeO2 mixed oxides for diesel soot oxidation: a review. <i>Catalysis Surveys From Asia</i> , 2018 , 22, 230-248	21.8	21
102	Roles of oxygen vacancy and OH in oxidation reactions over CeO2 and Ag/CeO2 nanorod model catalysts. <i>Journal of Catalysis</i> , 2018 , 368, 365-378	7.3	65

101	ZrO ₂ -supported MnO ₂ : Improving low-temperature activity and stability for catalytic oxidation of methane. <i>Progress in Natural Science: Materials International</i> , 2018 , 28, 296-300	3.6	2
100	Improved activity and durability of Rh-based three-way catalyst under diverse aging atmospheres by ZrO support. <i>Journal of Environmental Sciences</i> , 2017 , 52, 197-203	6.4	16
99	An exploration of soot oxidation over CeO ₂ -ZrO ₂ nanocubes: Do more surface oxygen vacancies benefit the reaction?. <i>Catalysis Today</i> , 2017 , 281, 454-459	5.3	43
98	A novel insight into enhanced propane combustion performance on PtUSY catalyst. <i>Rare Metals</i> , 2017 , 36, 1-9	5.5	52
97	Effect of barium sulfate modification on the SO tolerance of VO/TiO catalyst for NH-SCR reaction. <i>Journal of Environmental Sciences</i> , 2017 , 57, 110-117	6.4	22
96	Comparative study on sulfur poisoning of V ₂ O ₅ -Sb ₂ O ₃ /TiO ₂ and V ₂ O ₅ -WO ₃ /TiO ₂ monolithic catalysts for low-temperature NH ₃ -SCR. <i>Catalysis Communications</i> , 2017 , 93, 33-36	3.2	31
95	Activation and deactivation of Ag/CeO ₂ during soot oxidation: influences of interfacial ceria reduction. <i>Catalysis Science and Technology</i> , 2017 , 7, 2129-2139	5.5	39
94	Decomposition behavior of ammonium nitrate on ceria catalysts and its role in the NH ₃ -SCR reaction. <i>Catalysis Science and Technology</i> , 2017 , 7, 2531-2541	5.5	17
93	Controllable synthesis of supported platinum catalysts: acidic support effect and soot oxidation catalysis. <i>Catalysis Science and Technology</i> , 2017 , 7, 3268-3274	5.5	7
92	Nb-modified Mn/Ce/Ti catalyst for the selective catalytic reduction of NO with NH ₃ at low temperature. <i>Applied Catalysis A: General</i> , 2017 , 545, 64-71	5.1	65
91	Study of Ag/CeO ₂ catalysts for naphthalene oxidation: Balancing the oxygen availability and oxygen regeneration capacity. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 231-240	21.8	42
90	Aggregation and redispersion of silver species on alumina and sulphated alumina supports for soot oxidation. <i>Catalysis Science and Technology</i> , 2017 , 7, 3524-3530	5.5	15
89	Migration, reactivity, and sulfur tolerance of copper species in SAPO-34 zeolite toward NO _x reduction with ammonia. <i>RSC Advances</i> , 2017 , 7, 37787-37796	3.7	9
88	Ageing resistance of rhodium supported on CeO ₂ /ZrO ₂ and ZrO ₂ : Rhodium nanoparticle structure and Rh/support interaction under diverse ageing atmosphere. <i>Catalysis Today</i> , 2017 , 281, 490-499	5.3	28
87	Study of Ag/Ce Nd ₁ -O ₂ nanocubes as soot oxidation catalysts for gasoline particulate filters: Balancing catalyst activity and stability by Nd doping. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 116-126	21.8	67
86	Evolution of copper species on Cu/SAPO-34 SCR catalysts upon hydrothermal aging. <i>Catalysis Today</i> , 2017 , 281, 596-604	5.3	67
85	Optimizing the crystallinity and acidity of H-SAPO-34 by fluoride for synthesizing Cu/SAPO-34 NH ₃ -SCR catalyst. <i>Journal of Environmental Sciences</i> , 2016 , 41, 244-251	6.4	16
84	Effects of silica additive on the NH ₃ -SCR activity and thermal stability of a V ₂ O ₅ /WO ₃ -TiO ₂ catalyst. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1340-1346	11.3	32

83	NO catalytic oxidation over an ultra-large surface area LaMnO ₃ -perovskite synthesized by an acid-etching method. <i>RSC Advances</i> , 2016 , 6, 69855-69860	3-7	17
82	Modification of Cu/ZSM-5 catalyst with CeO ₂ for selective catalytic reduction of NO _x with ammonia. <i>Journal of Rare Earths</i> , 2016 , 34, 1004-1009	3-7	33
81	Effect of water vapor on sulfur poisoning of MnO _x /CeO ₂ /Al ₂ O ₃ catalyst for diesel soot oxidation. <i>RSC Advances</i> , 2016 , 6, 57033-57040	3-7	8
80	NH ₃ -SCR reaction mechanisms of NbO _x /Ce _{0.75} Zr _{0.25} O ₂ catalyst: DRIFTS and kinetics studies. <i>Journal of Molecular Catalysis A</i> , 2016 , 423, 172-180		80
79	Two-step thermochemical looping using modified ceria-based materials for splitting CO ₂ . <i>Journal of Materials Science</i> , 2016 , 51, 2299-2306	4-3	15
78	Modification of PdO/CeO ₂ /ZrO ₂ catalyst by MnO _x for water-gas shift reaction: redox property and valence state of Pd. <i>Journal of Materials Science</i> , 2016 , 51, 5377-5387	4-3	5
77	Phase structures, morphologies, and NO catalytic oxidation activities of single-phase MnO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2016 , 514, 24-34	5-1	76
76	Soot oxidation over CeO ₂ and Ag/CeO ₂ : Factors determining the catalyst activity and stability during reaction. <i>Journal of Catalysis</i> , 2016 , 337, 188-198	7-3	204
75	Nanostructured platinum in ordered mesoporous silica as novel efficient catalyst for propane total oxidation. <i>RSC Advances</i> , 2016 , 6, 30170-30175	3-7	9
74	Localized Surface Plasmon Resonance Assisted Photothermal Catalysis of CO and Toluene Oxidation over Pd/CeO ₂ Catalyst under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 29116-29125	3-8	47
73	Regeneration of sintered Rh/ZrO ₂ catalysts via Rh re-dispersion and Rh/ZrO ₂ interaction. <i>Science China Technological Sciences</i> , 2016 , 59, 1023-1028	3-5	3
72	Modification of MnCo ₂ O _x catalysts by NbO _x for low temperature selective catalytic reduction of NO with NH ₃ . <i>RSC Advances</i> , 2016 , 6, 97004-97011	3-7	6
71	Formation of BaMnO ₃ in Ba/MnO _x /CeO ₂ catalyst upon the hydrothermal ageing and its effects on oxide sintering and soot oxidation activity. <i>Catalysis Today</i> , 2015 , 253, 83-88	5-3	11
70	Pt/Zeolite Catalysts for Soot Oxidation: Influence of Hydrothermal Aging. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17218-17227	3-8	21
69	Effects of WO ₃ doping on stability and N ₂ O escape of MnO _x /CeO ₂ mixed oxides as a low-temperature SCR catalyst. <i>Catalysis Communications</i> , 2015 , 69, 188-192	3-2	36
68	A facile ceria-zirconia binary oxide used for degradation of 2-chloroethyl ethyl sulfide. <i>Journal of Materials Science</i> , 2015 , 50, 6268-6276	4-3	14
67	Potassium poisoning of titania supported deNO _x catalysts: Preservation of vanadia and sacrifice of tungsten oxide. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1287-1294	11-3	14
66	Low-temperature SCR activity and SO ₂ deactivation mechanism of Ce-modified V ₂ O ₅ /WO ₃ /TiO ₂ catalyst. <i>Progress in Natural Science: Materials International</i> , 2015 , 25, 342-352	3-6	62

65	NH ₃ -SCR activity, hydrothermal stability and poison resistance of a zirconium phosphate/Ce _{0.5} Zr _{0.5} O ₂ catalyst in simulated diesel exhaust. <i>RSC Advances</i> , 2015 , 5, 83594-83599	3.7	16
64	Effect of water vapor on NH ₃ -NO/NO ₂ SCR performance of fresh and aged MnO _x -NbO _x -CeO ₂ catalysts. <i>Journal of Environmental Sciences</i> , 2015 , 31, 240-7	6.4	26
63	Potassium poisoning on Cu-SAPO-34 catalyst for selective catalytic reduction of NO _x with ammonia. <i>Chemical Engineering Journal</i> , 2015 , 267, 191-200	14.7	44
62	Selective catalytic reduction of NO by ammonia over phosphate-containing Ce _{0.75} Zr _{0.25} O ₂ solids. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 223-232	21.8	100
61	Durability of Cu/SAPO-34 catalyst for NO reduction by ammonia: Potassium and sulfur poisoning. <i>Catalysis Communications</i> , 2015 , 59, 35-39	3.2	28
60	Impacts of niobia loading on active sites and surface acidity in NbO ₂ /CeO ₂ -ZrO ₂ NH ₃ SCR catalysts. <i>Applied Catalysis B: Environmental</i> , 2015 , 179, 380-394	21.8	165
59	A new insight into the effects of barium addition on Pd-only catalysts: Pd-support interface and CO+NO reaction pathway. <i>Applied Catalysis A: General</i> , 2015 , 501, 17-26	5.1	15
58	Re-dispersion of Pd on Ce _{0.5} Zr _{0.5} O ₂ upon cooling in the presence of oxygen. <i>Catalysis Today</i> , 2015 , 253, 51-56	5.3	13
57	Ceria-based catalysts for soot oxidation: a review. <i>Journal of Rare Earths</i> , 2015 , 33, 567-590	3.7	154
56	Roles of Acid Sites on Pt/H-ZSM5 Catalyst in Catalytic Oxidation of Diesel soot. <i>ACS Catalysis</i> , 2015 , 5, 909-919	13.1	83
55	Rare earth containing catalysts for selective catalytic reduction of NO _x with ammonia: A Review. <i>Journal of Rare Earths</i> , 2014 , 32, 907-917	3.7	73
54	Active oxygen-assisted NO-NO ₂ recycling and decomposition of surface oxygenated species on diesel soot with Pt/Ce _{0.6} Zr _{0.4} O ₂ catalyst. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 407-415	11.3	27
53	Facile synthesis of hierarchical porous γ-Al ₂ O ₃ hollow microspheres for water treatment. <i>Journal of Colloid and Interface Science</i> , 2014 , 417, 369-78	9.3	35
52	Effects of baria on propane oxidation activity of Pd/Al ₂ O ₃ catalyst: PdBaO interaction and reaction routes. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 280-286	3.6	7
51	Chemical deactivation of V ₂ O ₅ -WO ₃ /TiO ₂ SCR catalyst by combined effect of potassium and chloride. <i>Frontiers of Environmental Science and Engineering</i> , 2013 , 7, 420-427	5.8	34
50	Sulfation of Pt/Al ₂ O ₃ catalyst for soot oxidation: High utilization of NO ₂ and oxidation of surface oxygenated complexes. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 199-211	21.8	51
49	Importance of re-oxidation of palladium by interaction with lanthana for propane combustion over Pd/Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2013 , 201, 19-24	5.3	26
48	Lattice oxygen mobility and acidity improvements of NiO/CeO ₂ -ZrO ₂ catalyst by sulfation for NO _x reduction by ammonia. <i>Catalysis Today</i> , 2013 , 201, 122-130	5.3	76

47	Synergistic effect between MnO and CeO ₂ in the physical mixture: Electronic interaction and NO oxidation activity. <i>Journal of Rare Earths</i> , 2013 , 31, 1141-1147	3.7	37
46	Preparation of MnO _x -CeO ₂ -Al ₂ O ₃ mixed oxides for NO _x -assisted soot oxidation: Activity, structure and thermal stability. <i>Chemical Engineering Journal</i> , 2013 , 226, 105-112	14.7	50
45	Regeneration of Sulfated MnO _x -CeO ₂ -Al ₂ O ₃ Soot Oxidation Catalyst by Reduction with Hydrogen. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 716-721	3.9	15
44	Effects of tungsten oxide on the activity and thermal stability of a sulfate-derived titania supported platinum catalyst for propane oxidation. <i>Journal of Environmental Sciences</i> , 2012 , 24, 458-63	6.4	16
43	Effects of WO(x) modification on the activity, adsorption and redox properties of CeO ₂ catalyst for NO(x) reduction with ammonia. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1305-16	6.4	80
42	NO _x -Assisted Soot Oxidation on Pt/Mg/Al ₂ O ₃ Catalysts: Magnesium Precursor, Pt Particle Size, and Pt/Mg Interaction. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2271-2279	3.9	28
41	Total oxidation of propane on Pt/WO _x /Al ₂ O ₃ catalysts by formation of metastable Pt ^δ species interacted with WO _x clusters. <i>Journal of Hazardous Materials</i> , 2012 , 225-226, 146-54	12.8	69
40	Participation of sulfates in propane oxidation on Pt/SO ₄ ²⁻ /CeO ₂ /ZrO ₂ catalyst. <i>Journal of Molecular Catalysis A</i> , 2012 , 361-362, 98-103		23
39	A novel Nb ₂ O ₅ /WO _x /TiO ₂ catalyst with high NH ₃ -SCR activity and stability. <i>Catalysis Communications</i> , 2012 , 27, 97-100	3.2	65
38	Combined promoting effects of platinum and MnO _x -CeO ₂ supported on alumina on NO _x -assisted soot oxidation: Thermal stability and sulfur resistance. <i>Chemical Engineering Journal</i> , 2012 , 203, 25-35	14.7	60
37	Sulfur poisoning and regeneration of MnO _x -CeO ₂ -Al ₂ O ₃ catalyst for soot oxidation. <i>Journal of Rare Earths</i> , 2012 , 30, 659-664	3.7	25
36	Thermal behavior of zirconia-doped mullite gel fibers. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 213-218	3.6	3
35	Synergistic effect between ceria and tungsten oxide on WO ₃ -CeO ₂ -TiO ₂ catalysts for NH ₃ -SCR reaction. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 265-272	3.6	55
34	NH ₃ -SCR activity, hydrothermal stability, sulfur resistance and regeneration of Ce _{0.75} Zr _{0.25} O ₂ -PO ₄ ³⁻ catalyst. <i>Catalysis Communications</i> , 2012 , 17, 146-149	3.2	57
33	Synergistic effects between copper and tungsten on the structural and acidic properties of CuO _x /WO _x -ZrO ₂ catalyst. <i>Catalysis Science and Technology</i> , 2011 , 1, 453	5.5	35
32	Textural/Structural properties and soot oxidation activity of MnO-CeO ₂ mixed oxides. <i>Catalysis Communications</i> , 2011 , 12, 345-348	3.2	32
31	Modification of CeO ₂ -ZrO ₂ catalyst by potassium for NO _x -assisted soot oxidation. <i>Journal of Environmental Sciences</i> , 2011 , 23, 145-50	6.4	33
30	Preparation methods and thermal stability of Ba-Mn-Ce oxide catalyst for NO(x)-assisted soot oxidation. <i>Journal of Environmental Sciences</i> , 2011 , 23, 1205-10	6.4	10

29	Preparation and thermal stability of zirconia-doped mullite fibers via sol-gel method. <i>Progress in Natural Science: Materials International</i> , 2011 , 21, 117-121	3.6	12
28	Structure and oxygen storage capacity of Pr-doped Ce _{0.26} Zr _{0.74} O ₂ mixed oxides. <i>Journal of Rare Earths</i> , 2011 , 29, 1053-1059	3.7	21
27	Effect of barium loading on CuO/CeO ₂ catalysts: NO _x storage capacity, NO oxidation ability and soot oxidation activity. <i>Catalysis Today</i> , 2011 , 175, 124-132	5.3	44
26	Effects of tungsten oxide on soot oxidation activity and sulfur poisoning resistance of Pt/Al ₂ O ₃ catalyst. <i>Catalysis Science and Technology</i> , 2011 , 1, 644	5.5	24
25	MnO _x -CeO ₂ -Al ₂ O ₃ mixed oxides for soot oxidation: activity and thermal stability. <i>Journal of Hazardous Materials</i> , 2011 , 187, 283-90	12.8	103
24	Role of stable nitrates stored on BaCoCe in soot catalytic oxidation. <i>Catalysis Communications</i> , 2010 , 11, 749-752	3.2	7
23	Modifications of CeO ₂ /ZrO ₂ solid solutions by nickel and sulfate as catalysts for NO reduction with ammonia in excess O ₂ . <i>Catalysis Communications</i> , 2010 , 11, 1045-1048	3.2	78
22	Effects of sulfation on the activity of Ce _{0.67} Zr _{0.33} O ₂ supported Pt catalyst for propane oxidation. <i>Catalysis Communications</i> , 2010 , 11, 1229-1232	3.2	28
21	Nitrate storage behavior of Ba/MnO _x -CeO ₂ catalyst and its activity for soot oxidation with heat transfer limitations. <i>Journal of Hazardous Materials</i> , 2010 , 181, 722-8	12.8	53
20	Effects of adsorbed and gaseous NO _x species on catalytic oxidation of diesel soot with MnO _x /CeO ₂ mixed oxides. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 101-109	21.8	120
19	Influence of H ₂ /O ₂ redox treatments at different temperatures on Pd-CeO ₂ catalyst: Structure and oxygen storage capacity. <i>Catalysis Today</i> , 2010 , 153, 111-117	5.3	21
18	NO _x -assisted soot oxidation over K/CuCe catalyst. <i>Journal of Rare Earths</i> , 2010 , 28, 542-546	3.7	21
17	Roles of Lewis and Brønsted acid sites in NO reduction with ammonia on CeO ₂ -ZrO ₂ -NiO-SO ₄ ²⁻ catalyst. <i>Journal of Rare Earths</i> , 2010 , 28, 727-731	3.7	16
16	Effect of SO ₂ Treatment at High Temperature on Soot Oxidation Activity of Cu/Ce/Al Mixed Oxides. <i>Catalysis Letters</i> , 2009 , 131, 463-468	2.8	5
15	NO ₂ -aided Soot Oxidation on LaMn _{0.7} Ni _{0.3} O ₃ Perovskite-type Catalyst. <i>Catalysis Letters</i> , 2009 , 131, 494-499	12	12
14	Selective oxidation of soot over Cu doped ceria/ceria/zirconia catalysts. <i>Catalysis Communications</i> , 2008 , 9, 202-206	3.2	63
13	Promotional effect of potassium on soot oxidation activity and SO ₂ -poisoning resistance of Cu/CeO ₂ catalyst. <i>Catalysis Communications</i> , 2008 , 9, 1898-1901	3.2	37
12	Thermal ageing of Pt on low-surface-area CeO ₂ /ZrO ₂ /Al ₂ O ₃ mixed oxides: Effect on the OSC performance. <i>Applied Catalysis B: Environmental</i> , 2008 , 81, 38-48	21.8	183

11	Oxygen activation on Cu/Mn/Ce mixed oxides and the role in diesel soot oxidation. <i>Catalysis Today</i> , 2008 , 139, 113-118	5.3	173
10	Role of CeO ₂ /ZrO ₂ in diesel soot oxidation and thermal stability of potassium catalyst. <i>Catalysis Communications</i> , 2007 , 8, 1274-1278	3.2	55
9	The catalytic activity of CuO/CeO ₂ mixed oxides for diesel soot oxidation with a NO/O ₂ mixture. <i>Catalysis Communications</i> , 2007 , 8, 2110-2114	3.2	77
8	Role of Surface Area in Oxygen Storage Capacity of Ceria/Zirconia as Soot Combustion Catalyst. <i>Catalysis Letters</i> , 2007 , 119, 265-270	2.8	44
7	Study of oxidation-resistant NiCrAl coatings co-deposited by electrophoresis on nickel foams. <i>Scripta Materialia</i> , 2006 , 55, 107-110	5.6	13
6	Modification of the structure and properties of SAPO-11 using rare earths. <i>Acta Physico-chimica Sinica</i> , 2006 , 22, 1495-1500		6
5	Development of uniform and porous Al coatings on FeCrAl substrate by electrophoretic deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 287, 16-23	5.1	7
4	Effects of plasma-sprayed NiCrAl/ZrO ₂ intermediate on the combination ability of coatings. <i>Surface and Coatings Technology</i> , 2001 , 140, 231-237	4.4	24
3	Structure and performance of Alumina washcoat deposited by plasma spraying. <i>Surface and Coatings Technology</i> , 2001 , 145, 226-232	4.4	49
2	A Facile One Step Synthesis of MoS ₂ /g-C ₃ N ₄ Photocatalyst with Enhanced Visible Light Photocatalytic Hydrogen Production. <i>Catalysis Letters</i> , 1	2.8	3
1	An isolation strategy to anchor atomic Ni or Co cocatalysts on TiO ₂ (A) for photocatalytic hydrogen production. <i>Nano Research</i> , 1	10	2