

Dong Wook Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,283
citations

471509

17
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552781

26
g-index

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all docs

26
docs citations

26
times ranked

1085
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of ceria on the activity and SO ₂ resistance of catalysts for the selective catalytic reduction of NO _x by NH ₃ . Applied Catalysis B: Environmental, 2015, 166-167, 37-44.	20.2	184
2	Characteristics of the HCHO oxidation reaction over Pt/TiO ₂ catalysts at room temperature: The effect of relative humidity on catalytic activity. Applied Catalysis B: Environmental, 2015, 163, 436-443.	20.2	143
3	Enhancement of SCR activity and SO ₂ resistance on VO _x /TiO ₂ catalyst by addition of molybdenum. Chemical Engineering Journal, 2016, 284, 315-324.	12.7	141
4	Influence of tungsten on the activity of a Mn/Ce/W/Ti catalyst for the selective catalytic reduction of NO with NH ₃ at low temperatures. Applied Catalysis A: General, 2015, 497, 160-166.	4.3	115
5	DRIFT study on promotion effects of tungsten-modified Mn/Ce/Ti catalysts for the SCR reaction at low-temperature. Applied Catalysis A: General, 2017, 542, 55-62.	4.3	105
6	The influence on SCR activity of the atomic structure of V ₂ O ₅ /TiO ₂ catalysts prepared by a mechanochemical method. Applied Catalysis A: General, 2013, 451, 227-235.	4.3	69
7	The role of molybdenum on the enhanced performance and SO ₂ resistance of V/Mo-Ti catalysts for NH ₃ -SCR. Applied Surface Science, 2019, 481, 1167-1177.	6.1	69
8	Exploration of surface properties of Sb-promoted copper vanadate catalysts for selective catalytic reduction of NO _x by NH ₃ . Applied Catalysis B: Environmental, 2018, 236, 314-325.	20.2	60
9	Promotional effect of tungsten-doped CeO ₂ /TiO ₂ for selective catalytic reduction of NO _x with ammonia. Applied Surface Science, 2015, 356, 181-190.	6.1	50
10	A dual catalytic strategy by the nature of the functionalization effect as well as active species on vanadium-based catalyst for enhanced low temperature SCR. Applied Catalysis B: Environmental, 2021, 289, 120032.	20.2	50
11	Reversibility of Mn Valence State in MnO _x /TiO ₂ Catalysts for Low-temperature Selective Catalytic Reduction for NO with NH ₃ . Catalysis Letters, 2013, 143, 246-253.	2.6	46
12	Influence of VO surface density and vanadyl species on the selective catalytic reduction of NO by NH ₃ over VO _x /TiO ₂ for superior catalytic activity. Applied Catalysis A: General, 2015, 499, 1-12.	4.3	37
13	Influence of attrition milling on V/Ti catalysts for the selective oxidation of ammonia. Applied Catalysis A: General, 2015, 505, 557-565.	4.3	25
14	Er composition (X)-mediated catalytic properties of Ce _{1-x} Er _x V ₂ O ₈ surfaces for selective catalytic NO _x reduction with NH ₃ at elevated temperatures. Catalysis Today, 2021, 359, 65-75.	4.4	24
15	SO ₃ ²⁻ /SO ₄ ²⁻ functionalization-tailorable catalytic surface features of Sb-promoted Cu ₃ V ₂ O ₈ on TiO ₂ for selective catalytic reduction of NO _x with NH ₃ . Applied Catalysis A: General, 2019, 570, 355-366.	4.3	23
16	Enhancement of performance and sulfur resistance of ceria-doped V/Sb/Ti by sulfation for selective catalytic reduction of NO _x with ammonia. RSC Advances, 2016, 6, 1169-1181.	3.6	22
17	Unveiling the traits of rare earth metal (RM)-substituted bimetallic Ce _{0.5} RM _{0.5} V ₁ O ₄ phases to activate selective NH ₃ oxidation and NO _x reduction. Applied Surface Science, 2020, 518, 146238.	6.1	21
18	Influence of support composition on enhancing the performance of Ce-V on TiO ₂ comprised tungsten-silica for NH ₃ -SCR. Catalysis Today, 2021, 359, 112-123.	4.4	18

#	ARTICLE	IF	CITATIONS
19	New insight into the role of Mo–Sb addition towards VMoSbTi catalysts with enhanced activity for selective catalytic reduction with NH ₃ . <i>Chemical Engineering Journal</i> , 2022, 428, 132078.	12.7	18
20	Establishment of surface/bulk-like species functionalization by controlling the sulfation temperature of Sb/V/Ce/Ti for NH ₃ -SCR. <i>Applied Surface Science</i> , 2019, 481, 1503-1514.	6.1	15
21	Structural characteristics of V-based catalyst with Sb on selective catalytic NO _x reduction with NH ₃ . <i>Applied Surface Science</i> , 2021, 538, 148088.	6.1	14
22	Influence of Mn valence state and characteristic of TiO ₂ on the performance of Mn–Ti catalysts in ozone decomposition. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2785-2792.	2.2	13
23	Promotional effect of antimony on the selective catalytic reduction NO with NH ₃ over V-Sb/Ti catalyst. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2577-2587.	2.2	10
24	Effect of Vanadium Structure and Lattice Oxygen in V-Based TiO ₂ Catalysts on Selective Catalytic Reduction of NO _x by NH ₃ . <i>Journal of Chemical Engineering of Japan</i> , 2016, 49, 526-533.	0.6	8
25	Thermal stability of CeVO ₄ -based catalysts depending on support composition for the selective catalytic reduction of NO _x by ammonia. <i>Research on Chemical Intermediates</i> , 2022, 48, 647-667.	2.7	2
26	The Optimization of Milling Parameters on the Activity for V ₂ O ₅ /TiO ₂ Catalysts by Mechanochemical Processing. <i>Journal of Chemical Engineering of Japan</i> , 2015, 48, 463-471.	0.6	1