

# Youngseok Ryou

## List of Publications by Year in descending order

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13  
papers

825  
citations

840776

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#	ARTICLE	IF	CITATIONS
1	Highly selective production of syngas (>99%) in the partial oxidation of methane at 480°C over Pd/CeO <sub>2</sub> catalyst promoted by HCl. Applied Surface Science, 2021, 560, 150043.	6.1	6
2	Comparative study of the mobility of Pd species in SSZ-13 and ZSM-5, and its implication for their activity as passive NO <sub>x</sub> adsorbers (PNAs) after hydro-thermal aging. Catalysis Science and Technology, 2019, 9, 163-173.	4.1	58
3	Comparison of NO <sub>x</sub> Adsorption/Desorption Behaviors over Pd/CeO <sub>2</sub> and Pd/SSZ-13 as Passive NO <sub>x</sub> Adsorbers for Cold Start Application. Emission Control Science and Technology, 2019, 5, 172-182.	1.5	28
4	Effect of reduction treatments (H <sub>2</sub> vs. CO) on the NO adsorption ability and the physicochemical properties of Pd/SSZ-13 passive NO <sub>x</sub> adsorber for cold start application. Applied Catalysis A: General, 2019, 569, 28-34.	4.3	61
5	Effect of various activation conditions on the low temperature NO adsorption performance of Pd/SSZ-13 passive NO <sub>x</sub> adsorber. Catalysis Today, 2019, 320, 175-180.	4.4	81
6	Influence of the Defect Concentration of Ceria on the Pt Dispersion and the CO Oxidation Activity of Pt/CeO <sub>2</sub> . Journal of Physical Chemistry C, 2018, 122, 4972-4983.	3.1	62
7	Low temperature NO adsorption over hydrothermally aged Pd/CeO <sub>2</sub> for cold start application. Catalysis Today, 2018, 307, 93-101.	4.4	55
8	Investigation of the active sites and optimum Pd/Al of Pd/ZSM-5 passive NO adsorbers for the cold-start application: Evidence of isolated-Pd species obtained after a high-temperature thermal treatment. Applied Catalysis B: Environmental, 2018, 226, 71-82.	20.2	89
9	Oxychlorination of methane over FeO <sub>x</sub> /CeO <sub>2</sub> catalysts. Korean Journal of Chemical Engineering, 2018, 35, 2185-2190.	2.7	10
10	Activation of Pd/SSZ-13 catalyst by hydrothermal aging treatment in passive NO adsorption performance at low temperature for cold start application. Applied Catalysis B: Environmental, 2017, 212, 140-149.	20.2	127
11	Effect of sulfur aging and regeneration on low temperature NO adsorption over hydrothermally treated Pd/CeO <sub>2</sub> and Pd/Ce <sub>0.58</sub> Zr <sub>0.42</sub> O <sub>2</sub> catalysts. Catalysis Today, 2017, 297, 53-59.	4.4	35
12	How Pt Interacts with CeO <sub>2</sub> under the Reducing and Oxidizing Environments at Elevated Temperature: The Origin of Improved Thermal Stability of Pt/CeO <sub>2</sub> Compared to CeO <sub>2</sub> . Journal of Physical Chemistry C, 2016, 120, 25870-25879.	3.1	185
13	Roles of ZrO <sub>2</sub> in SO <sub>2</sub> -poisoned Pd/(Ce-Zr)O <sub>2</sub> catalysts for CO oxidation. Catalysis Today, 2015, 258, 518-524.	4.4	28