

# Ho-Jeong Chae

## List of Publications by Year in descending order

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28  
papers

868  
citations

471509

17  
h-index

501196

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g-index

28  
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28  
docs citations

28  
times ranked

1030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile one-pot synthesis of Ni-based catalysts by cation-anion double hydrolysis method as highly active Ru-free catalysts for green H <sub>2</sub> production via NH <sub>3</sub> decomposition. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121167.	20.2	29
2	Kinetic Modeling of Direct Methane Chlorination in Both Free-Radical and Catalytic Reactions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 2434-2442.	3.7	2
3	Boosting low temperature De-NO <sub>x</sub> performance and SO <sub>2</sub> resistance over Ce-doped two dimensional Mn-Cr layered double oxide catalyst. <i>Chemical Engineering Journal</i> , 2022, 434, 134676.	12.7	39
4	Ru-supported lanthania-ceria composite as an efficient catalyst for CO <sub>x</sub> -free H <sub>2</sub> production from ammonia decomposition. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119831.	20.2	54
5	A review on the recent developments of ruthenium and nickel catalysts for CO <sub>x</sub> -free H <sub>2</sub> generation by ammonia decomposition. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1087-1103.	2.7	46
6	CH <sub>4</sub> Chlorination with Cl <sub>2</sub> using zeolites having different surface polarities: Catalysis descriptors explaining the electrophilic pathway. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 42, 101318.	6.8	4
7	Highly Selective Catalytic Dechlorination of Dichloromethane to Chloromethane over Al <sup>3+</sup> /Ti Mixed Oxide Catalysts. <i>ChemCatChem</i> , 2020, 12, 5098-5108.	3.7	8
8	Control of methane chlorination with molecular chlorine gas using zeolite catalysts: Effects of Si/Al ratio and framework type. <i>Catalysis Today</i> , 2020, 352, 111-117.	4.4	11
9	Effect of Metal Oxide-Support Interactions on Ethylene Oligomerization over Nickel Oxide/Silica-Alumina Catalysts. <i>Catalysts</i> , 2019, 9, 933.	3.5	26
10	Sulfated Tin Oxide as Highly Selective Catalyst for the Chlorination of Methane to Methyl Chloride. <i>ACS Catalysis</i> , 2019, 9, 9398-9410.	11.2	22
11	Dehydration of Bioethanol to Ethylene over H-ZSM-5 Catalysts: A Scale-Up Study. <i>Catalysts</i> , 2019, 9, 186.	3.5	13
12	One-pot cascade ethylene oligomerization using Ni/Siral-30 and H-ZSM-5 catalysts. <i>Applied Catalysis A: General</i> , 2019, 572, 226-231.	4.3	18
13	Oligomerization of light olefins over ZSM-5 and beta zeolite catalysts by modifying textural properties. <i>Applied Catalysis A: General</i> , 2018, 553, 15-23.	4.3	56
14	Synthesis and characterization of nanocrystalline TiAPSO-34 catalysts and their performance in the conversion of methanol to light olefins. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 60-66.	4.4	17
15	Oligomerization of 1-hexene over designed SBA-15 acid catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 397-405.	5.8	11
16	Comparative study of CHA- and AEI-type zeolytic catalysts for the conversion of chloromethane into light olefins. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1433-1440.	2.7	9
17	Ni/SIRAL-30 as a heterogeneous catalyst for ethylene oligomerization. <i>Applied Catalysis A: General</i> , 2018, 562, 87-93.	4.3	29
18	An integrated process for production of jet-fuel range olefins from ethylene using Ni- <i>Al</i> SBA-15 and Amberlyst-35 catalysts. <i>Applied Catalysis A: General</i> , 2017, 530, 48-55.	4.3	29

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19	Structural and physicochemical effects of MFI zeolite nanosheets for the selective synthesis of propylene from methanol. <i>Microporous and Mesoporous Materials</i> , 2016, 222, 1-8.	4.4	36
20	Butadiene production from bioethanol and acetaldehyde over tantalum oxide-supported spherical silica catalysts for circulating fluidized bed. <i>Chemical Engineering Journal</i> , 2015, 278, 217-223.	12.7	35
21	Butadiene production from bioethanol and acetaldehyde over tantalum oxide-supported ordered mesoporous silica catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 596-604.	20.2	87
22	Selective oxidation of refractory sulfur compounds for the production of low sulfur transportation fuel. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 509-517.	2.7	29
23	Catalytic production of hydrogen through aqueous-phase reforming over platinum/ordered mesoporous carbon catalysts. <i>Green Chemistry</i> , 2011, 13, 1718.	9.0	71
24	The application of Py-GC/MS for the catalytic upgrading of oil separated from summer food waste leachate. <i>Research on Chemical Intermediates</i> , 2011, 37, 1283-1291.	2.7	6
25	Physicochemical Characteristics of SAPO-34 Molecular Sieves Synthesized with Mixed Templates as MTO Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 195-202.	0.9	26
26	Catalytic degradation of polyethylene over SBA-16. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1446-1451.	2.7	28
27	Catalytic degradation of high-density polyethylene over SAPO-34 synthesized with various templates. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1768-1772.	2.7	12
28	Effect of crystallite size of SAPO-34 catalysts on their induction period and deactivation in methanol-to-olefin reactions. <i>Applied Catalysis A: General</i> , 2009, 369, 60-66.	4.3	115