

Ho-Jeong Chae

List of Publications by Year in descending order

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28
papers

868
citations

471509

17
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

1030
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Catalytic production of hydrogen through aqueous-phase reforming over platinum/ordered mesoporous carbon catalysts. <i>Green Chemistry</i> , 2011, 13, 1718.	9.0	71
4	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
5	Ru-supported lanthania-ceria composite as an efficient catalyst for CO _x -free H ₂ production from ammonia decomposition. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119831.	20.2	54
6	A review on the recent developments of ruthenium and nickel catalysts for CO _x -free H ₂ generation by ammonia decomposition. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1087-1103.	2.7	46
7	Boosting low temperature De-NO _x performance and SO ₂ resistance over Ce-doped two dimensional Mn-Cr layered double oxide catalyst. <i>Chemical Engineering Journal</i> , 2022, 434, 134676.	12.7	39
8	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
9	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
10	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
11	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
12	Ni/SIRAL-30 as a heterogeneous catalyst for ethylene oligomerization. <i>Applied Catalysis A: General</i> , 2018, 562, 87-93.	4.3	29
13	Facile one-pot synthesis of Ni-based catalysts by cation-anion double hydrolysis method as highly active Ru-free catalysts for green H ₂ production via NH ₃ decomposition. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121167.	20.2	29
14	Catalytic degradation of polyethylene over SBA-16. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1446-1451.	2.7	28
15	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
16	Effect of Metal Oxide-Support Interactions on Ethylene Oligomerization over Nickel Oxide/Silica-Alumina Catalysts. <i>Catalysts</i> , 2019, 9, 933.	3.5	26
17	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
18	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

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19	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
20	Dehydration of Bioethanol to Ethylene over H-ZSM-5 Catalysts: A Scale-Up Study. <i>Catalysts</i> , 2019, 9, 186.	3.5	13
21	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
22	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
23	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
24	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
25	Highly Selective Catalytic Dechlorination of Dichloromethane to Chloromethane over Al ³⁺ /Ti Mixed Oxide Catalysts. <i>ChemCatChem</i> , 2020, 12, 5098-5108.	3.7	8
26	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
27	CH ₄ Chlorination with Cl ₂ using zeolites having different surface polarities: Catalysis descriptors explaining the electrophilic pathway. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101318.	6.8	4
28	Kinetic Modeling of Direct Methane Chlorination in Both Free-Radical and Catalytic Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2434-2442.	3.7	2