

Youngchul Byun

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

512
citations

759233

12
h-index

677142

22
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26
all docs

26
docs citations

26
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Quick vaporization of sprayed sodium hypochlorite (NaClO ₂ (aq)) for simultaneous removal of nitrogen oxides (NO _x), sulfur dioxide (SO ₂), and mercury (Hg ⁰). Journal of the Air and Waste Management Association, 2019, 69, 857-866.	1.9	8
2	Stepped Propane Adsorption in Pure-Silica ITW Zeolite. Langmuir, 2018, 34, 4774-4779.	3.5	10
3	Zeolite-Catalyzed Disproportionation of <i>iso</i> -Propylbenzene: Identification of Reaction Intermediates and Mechanism. Journal of Physical Chemistry C, 2016, 120, 11552-11560.	3.1	4
4	<i>n</i> -Propylbenzene Disproportionation: An Efficient Tool for Assessing the Framework Topology of Large-Pore Zeolites. Journal of Physical Chemistry C, 2016, 120, 6125-6135.	3.1	7
5	A Family of Molecular Sieves Containing Framework-Bound Organic Structure-Directing Agents. Angewandte Chemie - International Edition, 2015, 54, 11097-11101.	13.8	15
6	1,2,4-Trimethylbenzene disproportionation over large-pore zeolites: An experimental and theoretical study. Journal of Catalysis, 2015, 323, 145-157.	6.2	11
7	Theoretical Investigation of the Isomerization and Disproportionation of <i>m</i> -Xylene over Medium-Pore Zeolites with Different Framework Topologies. ACS Catalysis, 2014, 4, 1764-1776.	11.2	29
8	Formation of chlorinated species through reaction of SO ₂ with NaClO ₂ powder and their role in the oxidation of NO and Hg ⁰ . Environmental Science and Pollution Research, 2014, 21, 8052-8058.	5.3	9
9	Stability of the Reaction Intermediates of Ethylbenzene Disproportionation over Medium-Pore Zeolites with Different Framework Topologies: A Theoretical Investigation. Journal of Physical Chemistry C, 2013, 117, 23626-23637.	3.1	23
10	Calibration of mercury analysers: assessment of agreement between four methods. Analytical Methods, 2012, 4, 3841.	2.7	1
11	Reaction of SO ₂ with sodium chlorate powder triggering oxidation of NO and Hg ⁰ . Chemical Engineering Journal, 2012, 189-190, 5-12.	12.7	6
12	Deconvolution of UV Spectrum for Selective Measurement of ClO ₂ Concentration Quantitatively in Solution Containing Various Chlorine Species. Daehan Hwan'gyeong Gonghag Hoeji, 2012, 34, 743-750.	1.1	0
13	Removal mechanism of elemental mercury by using non-thermal plasma. Chemosphere, 2011, 83, 69-75.	8.2	37
14	Polarity effect of pulsed corona discharge for the oxidation of gaseous elemental mercury. Chemosphere, 2011, 84, 1285-1289.	8.2	9
15	Preliminary evaluation of NaClO ₂ powder injection method for mercury oxidation: Bench scale experiment using iron-ore sintering flue gas. Korean Journal of Chemical Engineering, 2011, 28, 808-812.	2.7	4
16	Hydrogen recovery from the thermal plasma gasification of solid waste. Journal of Hazardous Materials, 2011, 190, 317-323.	12.4	57
17	Insight into the Unique Oxidation Chemistry of Elemental Mercury by Chlorine-Containing Species: Experiment and Simulation. Environmental Science & Technology, 2010, 44, 1624-1629.	10.0	13
18	Demonstration of Thermal Plasma Gasification/Vitrification for Municipal Solid Waste Treatment. Environmental Science & Technology, 2010, 44, 6680-6684.	10.0	74

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19	Reaction Pathways of NO Oxidation by Sodium Chlorite Powder. Environmental Science & Technology, 2009, 43, 5054-5059.	10.0	21
20	Effect of hydrogen generated by dielectric barrier discharge of NH ₃ on selective non-catalytic reduction process. Chemosphere, 2009, 75, 815-818.	8.2	10
21	Influence of HCl on oxidation of gaseous elemental mercury by dielectric barrier discharge process. Chemosphere, 2008, 71, 1674-1682.	8.2	47
22	Oxidation of elemental mercury using atmospheric pressure non-thermal plasma. Chemosphere, 2008, 72, 652-658.	8.2	40
23	Influence of gas components on the oxidation of elemental mercury by positive pulsed corona discharge. Main Group Chemistry, 2008, 7, 191-204.	0.8	19
24	Pulsed corona discharge for oxidation of gaseous elemental mercury. Applied Physics Letters, 2008, 92, .	3.3	26
25	Thermal Plasma Gasification of Municipal Solid Waste (MSW). , 0, , .		26