

# Sang-Eon Park

## List of Publications by Year in descending order

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78  
papers

3,867  
citations

136950

32  
h-index

128289

60  
g-index

81  
all docs

81  
docs citations

81  
times ranked

4088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic adsorption/desorption of p-xylene on nanomorphous MFI zeolites: Effect of zeolite crystal thickness and mesopore architecture. <i>Journal of Hazardous Materials</i> , 2021, 403, 123659.	12.4	23
2	Oxidative Dehydrogenation of Ethane with CO <sub>2</sub> as a Soft Oxidant over a PtCe Bimetallic Catalyst. <i>ACS Catalysis</i> , 2021, 11, 9221-9232.	11.2	24
3	Hierarchical Mg/ZSM-5 catalysts for methanol-to-propylene reaction via one-step acid treatment. <i>Research on Chemical Intermediates</i> , 2021, 47, 249-268.	2.7	6
4	Ethane Dehydrogenation with CO <sub>2</sub> as a soft oxidant over a Cr-TUD-1 catalyst. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 39, 101184.	6.8	21
5	Industrial carbon dioxide capture and utilization: state of the art and future challenges. <i>Chemical Society Reviews</i> , 2020, 49, 8584-8686.	38.1	610
6	High-Performance Microwave Synthesized Mesoporous TS-1 Zeolite for Catalytic Oxidation of Cyclic Olefins. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 3567-3574.	3.7	32
7	Ceria-zirconia mixed oxides: Synthetic methods and applications. <i>Catalysis Reviews - Science and Engineering</i> , 2018, 60, 177-277.	12.9	142
8	An Efficient Cr-TUD-1 Catalyst for Oxidative Dehydrogenation of Propane to Propylene with CO <sub>2</sub> as Soft Oxidant. <i>Catalysis Letters</i> , 2018, 148, 576-585.	2.6	26
9	Carbon dioxide assisted toluene side-chain alkylation with methanol over Cs-X zeolite catalyst. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 26, 254-261.	6.8	22
10	Direct synthesis of acetic acid by simultaneous co-activation of methane and CO <sub>2</sub> over Cu-exchanged ZSM-5 catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 215, 50-59.	20.2	86
11	Novelty of Dynamic Process in the Synthesis of Biocompatible Silica Nanotubes by Biomimetic Glycylododecylamide as a Soft Template. <i>Langmuir</i> , 2017, 33, 10707-10714.	3.5	9
12	Aromatization of iso-butanol with CO <sub>2</sub> as an enhancer over ZSM-5 catalysts. <i>Research on Chemical Intermediates</i> , 2017, 43, 7223-7239.	2.7	7
13	PdCl <sub>2</sub> immobilized on metal-organic framework CuBTC with the aid of ionic liquids: enhanced catalytic performance in selective oxidation of cyclohexene. <i>RSC Advances</i> , 2016, 6, 33048-33054.	3.6	34
14	Highly selective BTX from catalytic fast pyrolysis of lignin over supported mesoporous silica. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 278-293.	7.5	37
15	CO <sub>2</sub> as a soft oxidant for oxidative dehydrogenation reaction: An eco benign process for industry. <i>Journal of CO<sub>2</sub> Utilization</i> , 2016, 16, 301-312.	6.8	105
16	Ethylbenzene to styrene over alkali doped TiO <sub>2</sub> -ZrO <sub>2</sub> with CO <sub>2</sub> as soft oxidant. <i>Applied Catalysis A: General</i> , 2015, 495, 192-199.	4.3	32
17	Metal-organic frameworks HKUST-1 as porous matrix for encapsulation of basic ionic liquid catalyst: effect of chemical behaviour of ionic liquid in solvent. <i>Journal of Porous Materials</i> , 2015, 22, 247-259.	2.6	69
18	Microwave-assisted Knoevenagel condensation in aqueous over triazine-based microporous network. <i>Research on Chemical Intermediates</i> , 2014, 40, 67-75.	2.7	7

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19	Microwave synthesis of hydrophobic Ti-TUD-1 mesoporous silica for catalytic oxidation of cycloolefins. <i>Applied Catalysis A: General</i> , 2014, 476, 39-44.	4.3	13
20	Chemoselective O- versus C-alkylation of substituted phenols with cyclohexene over mesoporous ZSM-5. <i>Applied Catalysis A: General</i> , 2014, 472, 184-190.	4.3	13
21	CO <sub>2</sub> promoted oxidative dehydrogenation of n-butane over VO <sub>x</sub> /MO <sub>2</sub> â€“ZrO <sub>2</sub> (M=Ce or Ti) catalysts. <i>Journal of CO<sub>2</sub> Utilization</i> , 2014, 5, 41-46.	6.8	41
22	Cu( <sup>ii</sup> ) PBS-bridged PMOs catalyzed one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles in water through click chemistry. <i>RSC Advances</i> , 2014, 4, 29772-29781.	3.6	22
23	Carbon dioxide augmented oxidation of aromatic alcohols over mesoporous carbon nitride as a metal free catalyst. <i>Catalysis Science and Technology</i> , 2013, 3, 1261.	4.1	26
24	Oxidative Dehydrogenation of Ethylbenzene to Styrene with CO <sub>2</sub> Over V <sub>2</sub> O <sub>5</sub> â€“Sb <sub>2</sub> O <sub>5</sub> â€“CeO <sub>2</sub> /TiO <sub>2</sub> â€“ZrO <sub>2</sub> Catalysts. <i>Topics in Catalysis</i> , 2013, 56, 1724-1730.	2.8	12
25	High surface area TiO <sub>2</sub> â€“ZrO <sub>2</sub> prepared by caustic solution treatment, and its catalytic efficiency in the oxidative dehydrogenation of para-ethyltoluene by CO <sub>2</sub> . <i>Catalysis Science and Technology</i> , 2012, 2, 514-520.	4.1	22
26	Carbon dioxide utilization as a soft oxidant and promoter in catalysis. <i>Energy and Environmental Science</i> , 2012, 5, 9419.	30.8	226
27	Synthesis of porphyrin-bridged periodic mesoporous organosilica and their catalytic applications. <i>Research on Chemical Intermediates</i> , 2012, 38, 1237-1248.	2.7	17
28	Synthesis of C <sub>4</sub> olefins from n-butane over a novel VO <sub>x</sub> /SnO <sub>2</sub> â€“ZrO <sub>2</sub> catalyst using CO <sub>2</sub> as soft oxidant. <i>Applied Catalysis A: General</i> , 2012, 423-424, 168-175.	4.3	44
29	Histidine-tagged enzyme conjugated heterogeneous magnetic mesoporous silica for high efficient biodegradation of catechol. , 2011, , .		1
30	Aerobic Baeyerâ€“Villiger Oxidation of Cyclic Ketones over Metalloporphyrins Bridged Periodic Mesoporous Organosilica. <i>ACS Catalysis</i> , 2011, 1, 855-863.	11.2	81
31	CO <sub>2</sub> activation and promotional effect in the oxidation of cyclic olefins over mesoporous carbon nitrides. <i>Green Chemistry</i> , 2011, 13, 1416.	9.0	148
32	Cu/SBA-15 is an Efficient Solvent-Free and Acid-Free Catalyst for the Rearrangement of Benzaldoxime into Benzamide. <i>Catalysis Letters</i> , 2011, 141, 1865-1871.	2.6	27
33	Ti-containing mesoporous silica for methylene blue photodegradation. <i>Applied Catalysis A: General</i> , 2011, 393, 359-366.	4.3	22
34	Chiral Cu(II) Complexes as Recyclable Catalysts for Asymmetric Nitroaldol (Henry) Reaction in Ionic Liquids as Greener Reaction Media. <i>Catalysis Letters</i> , 2010, 140, 189-196.	2.6	27
35	Microwave Synthesized Mesoporous Vanadium-MFI Catalysts for Epoxidation of Styrene Using Molecular Oxygen. <i>Topics in Catalysis</i> , 2010, 53, 238-246.	2.8	10
36	Asymmetric Catalysis in Confined Space Provided by l-Proline Functionalized Mesoporous Silica with Plugs in the Pore. <i>Topics in Catalysis</i> , 2010, 53, 192-199.	2.8	17

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37	Asymmetric Epoxidation of $\alpha,\beta$ -Unsaturated Ketones over Heterogenized Chiral Proline Diamide Complex Catalyst in the Solvent-Free Condition. <i>Topics in Catalysis</i> , 2010, 53, 1381-1386.	2.8	17
38	Aromatic Transformations Over Mesoporous ZSM-5: Advantages and Disadvantages. <i>Topics in Catalysis</i> , 2010, 53, 1457-1469.	2.8	37
39	Catalytic behavior of melamine glyoxal resin towards consecutive oxidation and oxy-Michael addition. <i>Research on Chemical Intermediates</i> , 2010, 36, 677-684.	2.7	6
40	Direct synthesis of carbon-templating mesoporous ZSM-5 using microwave heating. <i>Journal of Catalysis</i> , 2010, 276, 327-334.	6.2	137
41	Novel CeO <sub>2</sub> promoted TiO <sub>2</sub> -ZrO <sub>2</sub> nano-oxide catalysts for oxidative dehydrogenation of p-diethylbenzene utilizing CO <sub>2</sub> as soft oxidant. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 472-480.	20.2	60
42	MgO Encapsulated Mesoporous Zeolite for the Side Chain Alkylation of Toluene with Methanol. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 227-232.	0.9	13
43	Synthesis and catalytic behavior of tetrakis(4-carboxyphenyl) porphyrin-periodic mesoporous organosilica. <i>Journal of Materials Chemistry</i> , 2010, 20, 10869.	6.7	60
44	Epoxidation of Linear Olefins over Stacked TS-1 Zeolite Catalysts. <i>Topics in Catalysis</i> , 2009, 52, 169-177.	2.8	18
45	Effect of ceria on the structure and catalytic activity of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> -ZrO <sub>2</sub> for oxidative dehydrogenation of ethylbenzene to styrene utilizing CO <sub>2</sub> as soft oxidant. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 649-656.	20.2	79
46	Utilization of carbon dioxide as soft oxidant for oxidative dehydrogenation of ethylbenzene to styrene over V <sub>2</sub> O <sub>5</sub> -CeO <sub>2</sub> /TiO <sub>2</sub> -ZrO <sub>2</sub> catalyst. <i>Applied Catalysis B: Environmental</i> , 2009, 87, 230-238.	20.2	70
47	Organocatalytic Application of Direct Organo-Functionalized Mesoporous Catalysts Prepared by Microwave. <i>Topics in Catalysis</i> , 2009, 52, 91-100.	2.8	22
48	Catalytic Efficiency of Ceria-Zirconia and Ceria-Hafnia Nanocomposite Oxides for Soot Oxidation. <i>Catalysis Letters</i> , 2008, 123, 327-333.	2.6	88
49	Oxidative Dehydrogenation of Ethylbenzene to Styrene with Carbon Dioxide over Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> -ZrO <sub>2</sub> Catalyst: Influence of Chloride. <i>Catalysis Letters</i> , 2008, 124, 357-363.	2.6	24
50	Surfactant-Controlled and Microwave-Assisted Synthesis of Highly Active Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> Nano-Oxides for CO Oxidation. <i>Catalysis Letters</i> , 2008, 126, 125-133.	2.6	20
51	Dehydrogenation of Ethylbenzene to Styrene with Carbon Dioxide Over ZrO <sub>2</sub> -based Composite Oxide Catalysts. <i>Catalysis Surveys From Asia</i> , 2008, 12, 56-69.	2.6	50
52	Enhancement of catalytic activity in dehydrogenation of n-dodecane over nano-structured Pt-Sn/SBA-16 catalysts by microwave drying. <i>Research on Chemical Intermediates</i> , 2008, 34, 755-760.	2.7	5
53	Styrene epoxidation over a SBA-15-supported Mn(III) Schiff-base complex. <i>Research on Chemical Intermediates</i> , 2008, 34, 871-880.	2.7	7
54	Lewis-type catalytic activity of direct incorporated Zr- and Sn-SBA-16 catalysts. <i>Research on Chemical Intermediates</i> , 2008, 34, 507-517.	2.7	17

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55	Microwave synthesis of SBA-15 mesoporous silica material for beneficial effect on the hydrothermal stability. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 25-28.	1.5	2
56	An Overview on the Dehydrogenation of Alkylbenzenes with Carbon Dioxide over Supported Vanadium–Antimony Oxide Catalysts. <i>Catalysis Surveys From Asia</i> , 2007, 11, 59-69.	2.6	27
57	CO <sub>2</sub> utilization as an oxidant in the dehydrogenation of ethylbenzene to styrene over MnO <sub>2</sub> -ZrO <sub>2</sub> catalysts. <i>Catalysis Today</i> , 2006, 115, 242-247.	4.4	60
58	Photoreduction of Carbondioxide on Surface Functionalized Nanoporous Catalysts. <i>Topics in Catalysis</i> , 2005, 35, 311-319.	2.8	91
59	Selective formation of styrene via oxidative dehydrogenation of 4-vinylcyclohexene over ZrO <sub>2</sub> -Supported iron oxide catalysts. <i>Studies in Surface Science and Catalysis</i> , 2004, 153, 347-350.	1.5	5
60	Supramolecular Interactions and Morphology Control in Microwave Synthesis of Nanoporous Materials. <i>Catalysis Surveys From Asia</i> , 2004, 8, 91-110.	2.6	163
61	Template-Free Synthesis of the Nanoporous Nickel Phosphate VSB-5 under Microwave Irradiation. <i>Chemistry of Materials</i> , 2004, 16, 1394-1396.	6.7	43
62	Crystal morphology control of AFI type molecular sieves with microwave irradiation. <i>Journal of Materials Chemistry</i> , 2004, 14, 280.	6.7	107
63	Preparation and application of nanocatalysts via surface functionalization of mesoporous materials. <i>Research on Chemical Intermediates</i> , 2003, 29, 921-938.	2.7	27
64	Utilization of carbon dioxide as soft oxidant in the dehydrogenation of ethylbenzene over supported vanadium–antimony oxide catalysts. <i>Green Chemistry</i> , 2003, 5, 587-590.	9.0	77
65	Alkylation of benzene with 1- dodecene over usy zeolite catalyst: Effect of pretreatment and reaction conditions. <i>Korean Journal of Chemical Engineering</i> , 2002, 19, 607-610.	2.7	16
66	Comparative Study on Partial Oxidation of Methane over Ni/ZrO <sub>2</sub> , Ni/CeO <sub>2</sub> and Ni/Ce–ZrO <sub>2</sub> Catalysts. <i>Catalysis Letters</i> , 2002, 78, 215-222.	2.6	100
67	Title is missing!. <i>Catalysis Letters</i> , 2002, 81, 169-173.	2.6	31
68	A Highly Active and Stable Catalyst for Carbon Dioxide Reforming of Methane: Ni/Ce–ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Letters</i> , 2002, 81, 147-151.	2.6	46
69	Catalytic conversion of butadiene to ethylbenzene over the nanoporous nickel(ii) phosphate, VSB-1. <i>Chemical Communications</i> , 2001, , 859-860.	4.1	47
70	Photocatalytic activation of CO <sub>2</sub> under visible light by Rhenium complex encapsulated in molecular sieves. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 919-923.	2.7	12
71	CO <sub>2</sub> reforming of methane over modified Ni/ZrO <sub>2</sub> catalysts. <i>Applied Organometallic Chemistry</i> , 2001, 15, 109-112.	3.5	40
72	Benzene Alkylation with 1-Dodecene over H-Mordenite Zeolite. <i>Catalysis Letters</i> , 2001, 76, 99-103.	2.6	35

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73	Identification and Influence of Acidity on Alkylation of Phenol with Propylene over ZSM-5. Catalysis Letters, 2001, 76, 219-224.	2.6	11
74	Investigation of catalytic property in the t-butylation of 1,2-dihydroxybenzene using FT-IR and XPS study. Research on Chemical Intermediates, 2001, 27, 561-570.	2.7	2
75	CO2 utilization for the formation of styrene from ethylbenzene over zirconia-supported iron oxide catalysts. Applied Organometallic Chemistry, 2000, 14, 815-818.	3.5	29
76	Photoinduced activation of CO2 by rhenium complexes encapsulated in molecular sieves. Applied Organometallic Chemistry, 2000, 14, 826-830.	3.5	31
77	Title is missing!. Catalysis Letters, 2000, 69, 93-101.	2.6	14
78	Beneficial Effect of Carbon Dioxide in Dehydrogenation of Ethylbenzene to Styrene over Zeolite-Supported Iron Oxide Catalyst. Chemistry Letters, 1997, 26, 1123-1124.	1.3	58