

Yoshihiro Sugi

List of Publications by Year in descending order

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100
papers

1,905
citations

218677

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302126

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all docs

100
docs citations

100
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	Substitutional isomerism of triisopropyl naphthalenes in the isopropylation of naphthalene. Assignment by gas chromatography and confirmation by DFT calculation. <i>Research on Chemical Intermediates</i> , 2022, 48, 869-884.	2.7	4
2	The Isopropylation of Naphthalene over USY Zeolite with FAU Topology. The Selectivities of the Products. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 606-615.	3.2	5
3	The isopropylation of naphthalene over a beta zeolite with BEA topology. The selectivity of the products. <i>Molecular Catalysis</i> , 2021, 505, 111521.	2.0	4
4	Tailoring the Pore Size, Basicity, and Binding Energy of Mesoporous C ₃ N ₅ for CO ₂ Capture and Conversion. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3999-4005.	3.3	23
5	Lanthanide oxide modified H-Mordenites: Deactivation of external acid sites in the isopropylation of naphthalene. <i>Microporous and Mesoporous Materials</i> , 2016, 230, 217-226.	4.4	5
6	The isopropylation of biphenyl over transition metal substituted aluminophosphates: MAPO-5 (M: Co) <small>Tj ETQq0 0 0 rgBT /Overlock 10 TF</small>	4.8	6
7	Shape-Selective Catalysis in the Alkylation of Naphthalene: Steric Interaction with the Nanospace of Zeolites. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9369-9381.	0.9	14
8	Alkaline Earth Metal Modified H-Mordenites. Their Catalytic Properties in the Isopropylation of Biphenyl. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12283-12292.	3.7	3
9	Alkylation of Biphenyl over Zeolites: Shape-Selective Catalysis in Zeolite Channels. <i>Catalysis Surveys From Asia</i> , 2015, 19, 188-200.	2.6	15
10	The isopropylation of naphthalene with propene over H-mordenite: The catalysis at the internal and external acid sites. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 543-552.	4.8	15
11	Ceria and lanthana as blocking modifiers for the external surface of MFI zeolite. <i>Applied Catalysis A: General</i> , 2014, 476, 175-185.	4.3	23
12	The isopropylation of biphenyl over H-mordenite – Roles of 3- and 4-isopropylbiphenyls. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1043-1050.	2.7	6
13	Isopropylation of biphenyl over ZSM-12 zeolites. <i>Journal of Molecular Catalysis A</i> , 2013, 367, 23-30.	4.8	13
14	Isomerization and Cracking of Hexane over Beta Zeolites Synthesized by Dry Gel Conversion Method. <i>Journal of the Japan Petroleum Institute</i> , 2012, 55, 120-131.	0.6	3
15	Deactivation of External Acid Sites of H-Mordenite by Modification with Lanthanide Oxides for the Isopropylation of Biphenyl and the Cracking of 1,3,5-Triisopropylbenzene and Cumene. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 12214-12221.	3.7	12
16	The isopropylation of diphenyl ether over H-mordenite catalysts. <i>Journal of Molecular Catalysis A</i> , 2012, 355, 113-122.	4.8	1
17	Preparation of [Fe]-SSZ-24 through the isomorphous substitution of [B]-SSZ-24 with iron, and its catalytic properties in the isopropylation of biphenyl. <i>Journal of Molecular Catalysis A</i> , 2011, 350, 1-8.	4.8	5
18	SSZ-60: Synthetic investigation and catalytic application to the alkylation of biphenyl and naphthalene. <i>Microporous and Mesoporous Materials</i> , 2011, 143, 383-391.	4.4	5

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19	Isopropylation of naphthalene over H-mordenite, H-Y, and H-beta zeolites: Roles of isopropyl naphthalene isomers. Korean Journal of Chemical Engineering, 2011, 28, 409-417.	2.7	7
20	Shape-selective Alkylation of Naphthalene over Zeolites: Steric Interaction of Reagents with Zeolites. Journal of the Chinese Chemical Society, 2010, 57, 1-13.	1.4	38
21	Further Investigations on the Promoting Effect of Mesoporous Silica on Base-Catalyzed Aldol Reaction. Topics in Catalysis, 2010, 53, 492-499.	2.8	55
22	Convenient Synthesis of Mesoporous Aluminosilicates by Using Pre-heated Sodium Aluminosilicate Gel. Topics in Catalysis, 2010, 53, 529-534.	2.8	1
23	Highly stable aluminosilicates with a dual pore system: Simultaneous formation of meso- and microporosities with zeolitic BEA building units. Microporous and Mesoporous Materials, 2010, 133, 82-90.	4.4	14
24	Alkylation of Biphenyl and Naphthalene over Zeolites: Characteristics of Shape-selective Catalysis in Zeolite Channels. Journal of the Japan Petroleum Institute, 2010, 53, 263-275.	0.6	13
25	Na-Y Zeolite as a Highly Active Catalyst for the Hydroamination of α,β -Unsaturated Compounds with Aromatic Amines. Catalysis Letters, 2009, 128, 203-209.	2.6	8
26	The alkylation of naphthalene over MCM-68 with MSE topology. Journal of Molecular Catalysis A, 2009, 297, 80-85.	4.8	31
27	Nanosized β -zeolites with tunable particle sizes: Synthesis by the dry gel conversion (DGC) method in the presence of surfactants, characterization and catalytic properties. Microporous and Mesoporous Materials, 2009, 119, 322-330.	4.4	46
28	The isomerization of 4,4'-diisopropylbiphenyl at external acid sites of H-mordenite during the isopropylation of biphenyl. Journal of Molecular Catalysis A, 2009, 304, 22-27.	4.8	7
29	Selective Isopropylation of Isobutylbenzene over H-Mordenite in Supercritical CO ₂ Medium: Remarkable Enhancement in Catalytic Activity and Selectivity for 4-Isobutylcumene. Catalysis Letters, 2008, 123, 259-263.	2.6	0
30	The alkylation of biphenyl over three-dimensional large pore zeolites: The influence of zeolite structure and alkylating agent on the selectivity for 4,4'-dialkylbiphenyl. Catalysis Today, 2008, 131, 413-422.	4.4	16
31	The alkylation of naphthalene over three-dimensional large pore zeolites: The influence of zeolite structure and alkylating agent on the selectivity for dialkyl naphthalenes. Catalysis Today, 2008, 132, 27-37.	4.4	30
32	Synthetic investigation on MCM-68 zeolite with MSE topology and its application for shape-selective alkylation of biphenyl. Microporous and Mesoporous Materials, 2008, 116, 216-226.	4.4	45
33	The isopropylation of biphenyl over one-dimensional zeolites with corrugated channels. Journal of Molecular Catalysis A, 2008, 279, 27-36.	4.8	12
34	The ethylation of biphenyl over H-mordenite: Reactivities of the intermediates in the catalysis. Journal of Molecular Catalysis A, 2008, 285, 101-110.	4.8	4
35	A new synthesis route to nano-sized β -zeolite with organic silane containing surfactant. Studies in Surface Science and Catalysis, 2008, 174, 225-228.	1.5	0
36	The Alkylation of Naphthalene over One-Dimensional Twelve-Membered Ring Zeolites. The Influence of Zeolite Structure and Alkylating Agent on the Selectivity for Dialkyl naphthalenes. Bulletin of the Chemical Society of Japan, 2008, 81, 1534-1534.	3.2	1

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37	The Alkylation of Naphthalene over One-Dimensional Twelve-Membered Ring Zeolites. The Influence of Zeolite Structure and Alkylating Agent on the Selectivity for Dialkyl-naphthalenes. Bulletin of the Chemical Society of Japan, 2008, 81, 897-905.	3.2	15
38	The Alkylation of Naphthalene over One-Dimensional Fourteen-Membered Ring Zeolites. The Influence of Zeolite Structure and Alkylating Agent on the Selectivity for Dialkyl-naphthalenes. Bulletin of the Chemical Society of Japan, 2008, 81, 1166-1174.	3.2	14
39	QUINOLINE-CARBOIMINE PALLADIUM COMPLEX IMMOBILIZED ON MCM-41 AS A VERSATILE CATALYST FOR SONOGASHIRA CROSS-COUPPLING REACTION. , 2008, , .		0
40	Novel Route to Synthesize Nanosized β -Zeolite with High Surface Area. Chemistry Letters, 2007, 36, 894-895.	1.3	12
41	Shape-Selective Alkylation of Biphenyl over H-[Al]-SSZ-24 Zeolites with AFI Topology. Bulletin of the Chemical Society of Japan, 2007, 80, 215-223.	3.2	21
42	The Alkylation of Biphenyl over Fourteen-Membered Ring Zeolites. The Influence of Zeolite Structure and Alkylating Agent on the Selectivity for 4,4'-Dialkylbiphenyl. Bulletin of the Chemical Society of Japan, 2007, 80, 1418-1428.	3.2	21
43	The Alkylation of Biphenyl over One-Dimensional Twelve-Membered Ring Zeolites. The Influence of Zeolite Structure and Alkylating Agent on the Selectivity for 4,4'-Dialkylbiphenyl. Bulletin of the Chemical Society of Japan, 2007, 80, 2232-2242.	3.2	15
44	Hydrothermal synthesis of metallosilicate SSZ-24 from metallosilicate beta as precursors. Microporous and Mesoporous Materials, 2007, 101, 115-126.	4.4	44
45	Shape-selective alkylation of biphenyl over metalloaluminophosphates with AFI topology. Journal of Molecular Catalysis A, 2007, 263, 238-246.	4.8	20
46	Shape-selective isopropylation of biphenyl over CIT-5 zeolites with CFI topology. Journal of Molecular Catalysis A, 2007, 274, 24-32.	4.8	9
47	Organic-Inorganic Hybrid Catalysts Based on Ordered Porous Structures for Carbon-Carbon Bond Forming Reactions. Catalysis Surveys From Asia, 2007, 11, 158-170.	2.6	17
48	Vapor-Phase Ethylation of Biphenyl over MTW Zeolites. Bulletin of the Chemical Society of Japan, 2006, 79, 1451-1461.	3.2	1
49	Shape-selective alkylation and related reactions of mononuclear aromatic hydrocarbons over H-ZSM-5 zeolites modified with lanthanum and cerium oxides. Applied Catalysis A: General, 2006, 299, 157-166.	4.3	66
50	The Di-t-butylation of p-cresol with t-butanol in Supercritical CO ₂ over Tungstophosphoric Acid Supported on Ordered Mesoporous Silica. Catalysis Letters, 2006, 108, 31-35.	2.6	5
51	Friedel-Crafts benzylation of aromatics with benzyl alcohols catalyzed by heteropoly acids supported on mesoporous silica. Journal of Chemical Technology and Biotechnology, 2006, 81, 981-988.	3.2	33
52	Seeding on the Synthesis of MCM-22 (MWW) Zeolite by Dry-Gel Conversion Method and its Catalytic Properties on the Skeleton Isomerization and the Cracking of Hexane. Materials Transactions, 2005, 46, 2651-2658.	1.2	8
53	Zincoaluminophosphate Molecular Sieves with AFI and ATS Topologies: Synthesis by Dry-Gel Conversion Methods and Their Catalytic Properties in the Isopropylation of Biphenyl. Materials Transactions, 2005, 46, 2659-2667.	1.2	18
54	Magnesoaluminophosphate molecular sieves with ATS topology: Synthesis by dry-gel conversion method and catalytic properties in the isopropylation of biphenyl. Microporous and Mesoporous Materials, 2005, 81, 277-287.	4.4	18

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55	The Hydroamination of methyl acrylates with amines over zeolites. <i>Catalysis Letters</i> , 2005, 102, 191-196.	2.6	22
56	ZrOCl ₂ ·8H ₂ O catalysts for the esterification of long chain aliphatic carboxylic acids and alcohols. The enhancement of catalytic performance by supporting on ordered mesoporous silica. <i>Green Chemistry</i> , 2005, 7, 677.	9.0	65
57	Stereoselective Hydroformylation, Carbonylation and Carboxylation Reactions. , 2005, , 225-250.		0
58	Pore structure and shape-selectivity in the isopropylation of biphenyl catalyzed by one-dimensional large pore zeolites. <i>Studies in Surface Science and Catalysis</i> , 2004, , 2228-2238.	1.5	9
59	Selective Isopropylation of Biphenyl to 4,4'-DIPB over Mordenite (MOR) Type Zeolite Obtained from a Layered Sodium Silicate Magadiite. <i>Catalysis Letters</i> , 2004, 94, 17-24.	2.6	14
60	Deactivation of external acid sites of H-mordenite by silica-modification in the isopropylation of biphenyl. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 83, 329-335.	0.6	4
61	Rare-earth metal triflates as versatile catalysts for the chloromethylation of aromatic hydrocarbons. <i>Green Chemistry</i> , 2004, 6, 57.	9.0	27
62	The Isopropylation of Biphenyl over H-Mordenites. Roles of External Surface in Shape-Selective Catalysis. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2004, 83, 1045-1052.	0.2	0
63	Shape-selective alkylation of biphenyl catalyzed by H-[Al]-SSZ-31 zeolite. <i>Journal of Molecular Catalysis A</i> , 2003, 197, 133-146.	4.8	20
64	New Heat-Resistant and Soluble Aramids Synthesized by Palladium-Catalyzed Carbonylation-Polycondensation. <i>Materials Transactions</i> , 2002, 43, 326-331.	1.2	6
65	Catalytic performance of silicoaluminophosphate (SAPO) molecular sieves in the isopropylation of biphenyl. <i>Applied Catalysis A: General</i> , 2002, 225, 51-62.	4.3	44
66	Mesoporous Material from Zeolite. <i>Journal of Porous Materials</i> , 2002, 9, 43-48.	2.6	65
67	Title is missing!. <i>Journal of Porous Materials</i> , 2002, 9, 83-95.	2.6	29
68	Synthesis of high-silica [Al]-SSZ-31 by a steam-assisted conversion method and its catalytic performance in the isopropylation of biphenyl. <i>Journal of Materials Chemistry</i> , 2001, 11, 1869-1874.	6.7	20
69	Hydrothermal synthesis of [Al]-SSZ-31 from [Al]-BEA precursors. <i>Journal of Materials Chemistry</i> , 2001, 11, 2922-2924.	6.7	27
70	Zeolite Catalyzed Alkylation of Biphenyl. Where Does Shape-Selective Catalysis Occur?. <i>Catalysis Surveys From Asia</i> , 2001, 5, 43-56.	1.2	42
71	The Roles of 3- and 4-Isopropylbiphenyls in the Isopropylation of Biphenyl over a H-Mordenite. <i>Catalysis Letters</i> , 2001, 77, 159-163.	2.6	3
72	Synthesis of molecular sieves as environment conscious materials.. <i>Journal of Advanced Science</i> , 2001, 13, 363-366.	0.1	1

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73	Properties of a novel aromatic polyarylate.. Journal of Advanced Science, 2001, 13, 398-401.	0.1	1
74	A New Microporous Silicate With 12-Ring Channels. Materials Research Society Symposia Proceedings, 2000, 658, 6281.	0.1	0
75	Ceria-modification of H-mordenites. Catalysis Today, 2000, 60, 243-253.	4.4	33
76	Shape-selective alkylation of biphenyl catalyzed by H-Mordenites. Korean Journal of Chemical Engineering, 2000, 17, 1-11.	2.7	18
77	GUS-1: a mordenite-like molecular sieve with the 12-ring channel of ZSM-12. Chemical Communications, 2000, , 2363-2364.	4.1	18
78	Introduction to Shape-Selective Catalysis. ACS Symposium Series, 1999, , 1-16.	0.5	9
79	Encapsulated Products inside Pores of H-Mordenite in the Isopropylation of Biphenyl. ACS Symposium Series, 1999, , 271-281.	0.5	2
80	Influences of Bulkiness of Reagents in the Alkylation of Biphenyl over H-Mordenite. ACS Symposium Series, 1999, , 260-270.	0.5	1
81	Shape-selective isopropylation of biphenyl over H-mordenites. Applied Catalysis A: General, 1999, 189, 251-261.	4.3	59
82	Synthesis of borosilicate zeolites by the dry gel conversion method and their characterization. Microporous and Mesoporous Materials, 1999, 32, 81-91.	4.4	53
83	Effects of reaction temperature on the isopropylation of biphenyl over H-mordenite. Catalysis Letters, 1999, 57, 217-220.	2.6	9
84	Preparation of Highly Ordered Mesoporous Thin Film with Alkyltrimethylammonium(CnTMA+). Materials Research Society Symposia Proceedings, 1999, 581, 423.	0.1	2
85	High-Resolution Electron Microscopy Study of ZSM-12 (MTW). Chemistry of Materials, 1998, 10, 3958-3965.	6.7	29
86	Shape-selective Alkylation of Polynuclear Aromatic Hydrocarbons over H-Mordenites.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 1998, 41, 193-206.	0.1	2
87	The influence of reagents on shape-selective alkylation of biphenyls over H-mordenite. Studies in Surface Science and Catalysis, 1997, , 1317-1324.	1.5	8
88	The effect of propylene pressure on shape-selective isopropylation of biphenyl over H-mordenite. Catalysis Today, 1996, 31, 3-10.	4.4	25
89	Shape-selective ethylation of biphenyl over a highly dealuminated H-mordenite. Microporous Materials, 1995, 3, 593-595.	1.6	12
90	Cerium impregnated H-mordenite as a catalyst for shape-selective isopropylation of naphthalene. Selective deactivation of acid sites on the external surface. Applied Catalysis A: General, 1995, 131, 15-32.	4.3	80

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91	Effect of ratio of H-mordenite on the propylation of naphthalene with propylene. Microporous Materials, 1995, 5, 113-121.	1.6	69
92	Chapter 7 Shape-selective alkylation of polynuclear aromatics. Catalysis Today, 1994, 19, 187-211.	4.4	100
93	Shape-selective alkylation of biphenyl over mordenite: cerium exchanged sodium mordenite and unmodified H-mordenite with low SiO ₂ /Al ₂ O ₃ ratio. Catalysis Letters, 1994, 27, 315-322.	2.6	33
94	Shape-selective alkylation of biphenyl over mordenites: effects of dealumination on shape-selectivity and coke deposition. Catalysis Letters, 1994, 26, 181-187.	2.6	28
95	The Selectivity of Zeolite Catalysts in the Alkylation of Biphenyl.. Sekiyu Gakkaishi (Journal of the Japan Tj ETQq1 1 0.784314 rgBT /Over 0.1 11P	0.1	11
96	Shape-selective isopropylation of biphenyl over a highly dealuminated mordenite: effect of propylene pressure. Catalysis Letters, 1993, 21, 71-75.	2.6	33
97	Isomer selectivity in isopropylation of biphenyl over solid acid catalysts.. Sekiyu Gakkaishi (Journal of Tj ETQq1 1 0.784314 rgBT /Over 0.1 32	0.1	32
98	Zeolite-catalysed alkylation of polynuclear aromatics. Catalysis, 0, , 55-84.	1.0	12
99	Synthesis and properties of a novel polyarylate with 9,10-dihydrophenanthrene-2,7-dicarbonylate moiety. , 0, , .		0
100	Beta Zeolites Modified with Lanthanum and Cerium Oxides for the Isomerization of Hexane. Materials Science Forum, 0, 539-543, 2323-2328.	0.3	1