

# Yoshihiro Sugi

## List of Publications by Year in descending order

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218677

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100  
docs citations

100  
times ranked

1160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chapter 7 Shape-selective alkylation of polynuclear aromatics. <i>Catalysis Today</i> , 1994, 19, 187-211.	4.4	100
2	Cerium impregnated H-mordenite as a catalyst for shape-selective isopropylation of naphthalene. Selective deactivation of acid sites on the external surface. <i>Applied Catalysis A: General</i> , 1995, 131, 15-32.	4.3	80
3	Effect of ratio of H-mordenite on the propylation of naphthalene with propylene. <i>Microporous Materials</i> , 1995, 5, 113-121.	1.6	69
4	Shape-selective alkylation and related reactions of mononuclear aromatic hydrocarbons over H-ZSM-5 zeolites modified with lanthanum and cerium oxides. <i>Applied Catalysis A: General</i> , 2006, 299, 157-166.	4.3	66
5	Mesoporous Material from Zeolite. <i>Journal of Porous Materials</i> , 2002, 9, 43-48.	2.6	65
6	ZrOCl <sub>2</sub> ·8H <sub>2</sub> 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
7	Shape-selective isopropylation of biphenyl over H-mordenites. <i>Applied Catalysis A: General</i> , 1999, 189, 251-261.	4.3	59
8	Further Investigations on the Promoting Effect of Mesoporous Silica on Base-Catalyzed Aldol Reaction. <i>Topics in Catalysis</i> , 2010, 53, 492-499.	2.8	55
9	Synthesis of borosilicate zeolites by the dry gel conversion method and their characterization. <i>Microporous and Mesoporous Materials</i> , 1999, 32, 81-91.	4.4	53
10	Nanosized $\beta$ -zeolites with tunable particle sizes: Synthesis by the dry gel conversion (DGC) method in the presence of surfactants, characterization and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 322-330.	4.4	46
11	Synthetic investigation on MCM-68 zeolite with MSE topology and its application for shape-selective alkylation of biphenyl. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 216-226.	4.4	45
12	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
13	Hydrothermal synthesis of metallosilicate SSZ-24 from metallosilicate beta as precursors. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 115-126.	4.4	44
14	Zeolite Catalyzed Alkylation of Biphenyl. Where Does Shape-Selective Catalysis Occur?. <i>Catalysis Surveys From Asia</i> , 2001, 5, 43-56.	1.2	42
15	Shape-selective Alkylation of Naphthalene over Zeolites: Steric Interaction of Reagents with Zeolites. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 1-13.	1.4	38
16	Shape-selective isopropylation of biphenyl over a highly dealuminated mordenite: effect of propylene pressure. <i>Catalysis Letters</i> , 1993, 21, 71-75.	2.6	33
17	Shape-selective alkylation of biphenyl over mordenite: cerium exchanged sodium mordenite and unmodified H-mordenite with low SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> ratio. <i>Catalysis Letters</i> , 1994, 27, 315-322.	2.6	33
18	Ceria-modification of H-mordenites. <i>Catalysis Today</i> , 2000, 60, 243-253.	4.4	33

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19	Friedel-Crafts benzylation of aromatics with benzyl alcohols catalyzed by heteropoly acids supported on mesoporous silica. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 981-988.	3.2	33
20	Isomer selectivity in isopropylation of biphenyl over solid acid catalysts.. <i>Sekiyu Gakkaishi (Journal of Chemical Engineering of Japan)</i> , 2007, 38, 107-111.	0.1	32
21	The alkylation of naphthalene over MCM-68 with MSE topology. <i>Journal of Molecular Catalysis A</i> , 2009, 297, 80-85.	4.8	31
22	The alkylation of naphthalene over three-dimensional large pore zeolites: The influence of zeolite structure and alkylating agent on the selectivity for dialkyl-naphthalenes. <i>Catalysis Today</i> , 2008, 132, 27-37.	4.4	30
23	High-Resolution Electron Microscopy Study of ZSM-12 (MTW). <i>Chemistry of Materials</i> , 1998, 10, 3958-3965.	6.7	29
24	Title is missing!. <i>Journal of Porous Materials</i> , 2002, 9, 83-95.	2.6	29
25	Shape-selective alkylation of biphenyl over mordenites: effects of dealumination on shape-selectivity and coke deposition. <i>Catalysis Letters</i> , 1994, 26, 181-187.	2.6	28
26	Hydrothermal synthesis of [Al]-SSZ-31 from [Al]-BEA precursors. <i>Journal of Materials Chemistry</i> , 2001, 11, 2922-2924.	6.7	27
27	Rare-earth metal triflates as versatile catalysts for the chloromethylation of aromatic hydrocarbons. <i>Green Chemistry</i> , 2004, 6, 57.	9.0	27
28	The effect of propylene pressure on shape-selective isopropylation of biphenyl over H-mordenite. <i>Catalysis Today</i> , 1996, 31, 3-10.	4.4	25
29	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
30	Tailoring the Pore Size, Basicity, and Binding Energy of Mesoporous C <sub>3</sub> N <sub>5</sub> for CO <sub>2</sub> Capture and Conversion. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3999-4005.	3.3	23
31	The Hydroamination of methyl acrylates with amines over zeolites. <i>Catalysis Letters</i> , 2005, 102, 191-196.	2.6	22
32	Shape-Selective Alkylation of Biphenyl over H-[Al]-SSZ-24 Zeolites with AFI Topology. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 215-223.	3.2	21
33	The Alkylation of Biphenyl over Fourteen-Membered Ring Zeolites. The Influence of Zeolite Structure and Alkylating Agent on the Selectivity for 4,4'-Dialkylbiphenyl. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1418-1428.	3.2	21
34	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
35	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
36	Shape-selective alkylation of biphenyl over metalloaluminophosphates with AFI topology. <i>Journal of Molecular Catalysis A</i> , 2007, 263, 238-246.	4.8	20

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37	Shape-selective alkylation of biphenyl catalyzed by H-Mordenites. Korean Journal of Chemical Engineering, 2000, 17, 1-11.	2.7	18
38	GUS-1: a mordenite-like molecular sieve with the 12-ring channel of ZSM-12. Chemical Communications, 2000, , 2363-2364.	4.1	18
39	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
40	Magnesioaluminophosphate 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
41	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
42	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
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	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
45	The isopropylation of naphthalene with propene over H-mordenite: The catalysis at the internal and external acid sites. Journal of Molecular Catalysis A, 2014, 395, 543-552.	4.8	15
46	Alkylation of Biphenyl over Zeolites: Shape-Selective Catalysis in Zeolite Channels. Catalysis Surveys From Asia, 2015, 19, 188-200.	2.6	15
47	Selective Isopropylation of Biphenyl to 4,4-DIPB over Mordenite (MOR) Type Zeolite Obtained from a Layered Sodium Silicate Magadiite. Catalysis Letters, 2004, 94, 17-24.	2.6	14
48	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
49	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
50	Shape-Selective Catalysis in the Alkylation of Naphthalene: Steric Interaction with the Nanospace of Zeolites. Journal of Nanoscience and Nanotechnology, 2015, 15, 9369-9381.	0.9	14
51	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
52	Isopropylation of biphenyl over ZSM-12 zeolites. Journal of Molecular Catalysis A, 2013, 367, 23-30.	4.8	13
53	Shape-selective ethylation of biphenyl over a highly dealuminated H-mordenite. Microporous Materials, 1995, 3, 593-595.	1.6	12
54	Zeolite-catalysed alkylation of polynuclear aromatics. Catalysis, 0, , 55-84.	1.0	12

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55	Novel Route to Synthesize Nanosized $\hat{1}^2$ -Zeolite with High Surface Area. Chemistry Letters, 2007, 36, 894-895.	1.3	12
56	The isopropylation of biphenyl over one-dimensional zeolites with corrugated channels. Journal of Molecular Catalysis A, 2008, 279, 27-36.	4.8	12
57	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. Industrial & Engineering Chemistry Research, 2012, 51, 12214-12221.	3.7	12
58	The Selectivity of Zeolite Catalysts in the Alkylation of Biphenyl.. Sekiyu Gakkaishi (Journal of the Japan Tj ETQq0 0 0,rgBT /Overlock 10	0.1	11
59	Introduction to Shape-Selective Catalysis. ACS Symposium Series, 1999, , 1-16.	0.5	9
60	Effects of reaction temperature on the isopropylation of biphenyl over H-mordenite. Catalysis Letters, 1999, 57, 217-220.	2.6	9
61	Pore structure and shape-selectivity in the isopropylation of biphenyl catalyzed by one-dimensional large pore zeolites. Studies in Surface Science and Catalysis, 2004, , 2228-2238.	1.5	9
62	Shape-selective isopropylation of biphenyl over CIT-5 zeolites with CFI topology. Journal of Molecular Catalysis A, 2007, 274, 24-32.	4.8	9
63	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
64	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
65	Na-Y Zeolite as a Highly Active Catalyst for the Hydroamination of $\hat{1}^{\pm},\hat{1}^2$ -Unsaturated Compounds with Aromatic Amines. Catalysis Letters, 2009, 128, 203-209.	2.6	8
66	The isomerization of 4,4- $\hat{2}$ -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
67	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
68	New Heat-Resistant and Soluble Aramids Synthesized by Palladium-Catalyzed Carbonylation-Polycondensation. Materials Transactions, 2002, 43, 326-331.	1.2	6
69	The isopropylation of biphenyl over H-mordenite $\hat{2}$ Roles of 3- and 4-isopropylbiphenyls. Korean Journal of Chemical Engineering, 2013, 30, 1043-1050.	2.7	6
70	The isopropylation of biphenyl over transition metal substituted aluminophosphates: MAPO-5 (M: Co) Tj ETQq0 0 0,rgBT /Overlock 10 T	4.8	6
71	The Di-t-butylation of p-cresol with t-butanol in Supercritical CO <sub>2</sub> over Tungstophosphoric Acid Supported on Ordered Mesoporous Silica. Catalysis Letters, 2006, 108, 31-35.	2.6	5
72	Preparation of [Fe]-SSZ-24 through the isomorphous substitution of [B]-SSZ-24 with iron, and its catalytic properties in the isopropylation of biphenyl. Journal of Molecular Catalysis A, 2011, 350, 1-8.	4.8	5

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73	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
74	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
75	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
76	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
77	The ethylation of biphenyl over H-mordenite: Reactivities of the intermediates in the catalysis. <i>Journal of Molecular Catalysis A</i> , 2008, 285, 101-110.	4.8	4
78	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
79	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
80	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
81	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
82	Alkaline Earth Metal Modified H-Mordenites. Their Catalytic Properties in the Isopropylation of Biphenyl. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12283-12292.	3.7	3
83	Encapsulated Products inside Pores of H-Mordenite in the Isopropylation of Biphenyl. <i>ACS Symposium Series</i> , 1999, , 271-281.	0.5	2
84	Preparation of Highly Ordered Mesoporous Thin Film with Alkyltrimethylammonium(CnTMA+). <i>Materials Research Society Symposia Proceedings</i> , 1999, 581, 423.	0.1	2
85	Shape-selective Alkylation of Polynuclear Aromatic Hydrocarbons over H-Mordenites.. Sekiyu Gakkaishi ( <i>Journal of the Japan Petroleum Institute</i> ), 1998, 41, 193-206.	0.1	2
86	Influences of Bulkiness of Reagents in the Alkylation of Biphenyl over H-Mordenite. <i>ACS Symposium Series</i> , 1999, , 260-270.	0.5	1
87	Vapor-Phase Ethylation of Biphenyl over MTW Zeolites. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1451-1461.	3.2	1
88	Beta Zeolites Modified with Lanthanum and Cerium Oxides for the Isomerization of Hexane. <i>Materials Science Forum</i> , 0, 539-543, 2323-2328.	0.3	1
89	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. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1534-1534.	3.2	1
90	Convenient Synthesis of Mesoporous Aluminosilicates by Using Pre-heated Sodium Aluminosilicate Gel. <i>Topics in Catalysis</i> , 2010, 53, 529-534.	2.8	1

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91	The isopropylation of diphenyl ether over H-mordenite catalysts. Journal of Molecular Catalysis A, 2012, 355, 113-122.	4.8	1
92	Synthesis of molecular sieves as environment conscious materials.. Journal of Advanced Science, 2001, 13, 363-366.	0.1	1
93	Properties of a novel aromatic polyarylate.. Journal of Advanced Science, 2001, 13, 398-401.	0.1	1
94	A New Microporous Silicate With 12-Ring Channels. Materials Research Society Symposia Proceedings, 2000, 658, 6281.	0.1	0
95	Synthesis and properties of a novel polyarylate with 9,10-dihydrophenanthrene-2,7-dicarbonylate moiety. , 0, , .		0
96	Stereoselective Hydroformylation, Carbonylation and Carboxylation Reactions. , 2005, , 225-250.		0
97	Selective Isopropylation of Isobutylbenzene over H-Mordenite in Supercritical CO <sub>2</sub> Medium: Remarkable Enhancement in Catalytic Activity and Selectivity for 4-Isobutylcumene. Catalysis Letters, 2008, 123, 259-263.	2.6	0
98	A new synthesis route to nano-sized $\beta$ -zeolite with organic silane containing surfactant. Studies in Surface Science and Catalysis, 2008, 174, 225-228.	1.5	0
99	The Isopropylation of Biphenyl over H-Mordenites. Roles of External Surface in Shape-Selective Catalysis. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2004, 83, 1045-1052.	0.2	0
100	QUINOLINE-CARBOIMINE PALLADIUM COMPLEX IMMOBILIZED ON MCM-41 AS A VERSATILE CATALYST FOR SONOGASHIRA CROSS-COUPLING REACTION. , 2008, , .		0