

Isao Ogino

List of Publications by Year in descending order

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55
papers

1,078
citations

471061

17
h-index

433756

31
g-index

59
all docs

59
docs citations

59
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the efficiency of gas-liquid-solid reactions using a monolithic microhoneycomb catalyst. <i>Catalysis Today</i> , 2023, 407, 244-251.	2.2	2
2	Size-activity threshold of titanium dioxide-supported Cu cluster in CO oxidation. <i>Environmental Pollution</i> , 2021, 279, 116899.	3.7	12
3	MoO ₃ nanocrystals synthesized in the confined space of a mesoporous carbon. <i>Applied Catalysis A: General</i> , 2021, 624, 118294.	2.2	3
4	Genesis of micropores by thermal activation of Mg-Al layered double hydroxides possessing interlayer organic sulfonates under oxygen-free environments. <i>Catalysis Today</i> , 2020, 356, 11-17.	2.2	1
5	Bruce Gates: A Career in Catalysis. <i>ACS Catalysis</i> , 2020, 10, 11912-11935.	5.5	10
6	Intercalation chemistry and thermal characteristics of layered double hydroxides possessing organic phosphonates and sulfonates. <i>New Journal of Chemistry</i> , 2020, 44, 10002-10010.	1.4	1
7	Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. <i>Chemistry Letters</i> , 2019, 48, 696-699.	0.7	4
8	Continuous-flow separation of cesium ion by ammonium molybdophosphate immobilized in a silica microhoneycomb (AMP-SMH). <i>Adsorption</i> , 2019, 25, 1089-1098.	1.4	6
9	Carbon gel monoliths with introduced straight microchannels for phenol adsorption. <i>Adsorption</i> , 2019, 25, 1241-1249.	1.4	1
10	Cost-effective synthesis of activated carbons with high surface areas for electrodes of non-aqueous electric double layer capacitors. <i>Separation and Purification Technology</i> , 2019, 214, 174-180.	3.9	15
11	Understanding atomically dispersed supported metal catalysts: structure and performance of active sites. <i>Catalysis</i> , 2019, , 166-197.	0.6	1
12	Carbon Paper with a High Surface Area Prepared from Carbon Nanofibers Obtained through the Liquid Pulse Injection Technique. <i>ACS Omega</i> , 2018, 3, 691-697.	1.6	23
13	Esterification of levulinic acid with ethanol catalyzed by sulfonated carbon catalysts: Promotional effects of additional functional groups. <i>Catalysis Today</i> , 2018, 314, 62-69.	2.2	46
14	The critical role of bulk density of graphene oxide in tuning its defect concentration through microwave-driven annealing. <i>Journal of Energy Chemistry</i> , 2018, 27, 1468-1474.	7.1	6
15	The impact of thermal activation conditions on physicochemical properties of nanosheet-derived Mg-Al mixed oxides. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 181-189.	2.2	7
16	Synthesis of Mg-Al Mixed Oxides with Markedly High Surface Areas from Layered Double Hydroxides with Organic Sulfonates. <i>ACS Omega</i> , 2018, 3, 16916-16923.	1.6	14
17	Development of TiO ₂ /SiO ₂ Photocatalysts Having a Microhoneycomb Structure by the Ice Templating Method. <i>ACS Omega</i> , 2018, 3, 14274-14279.	1.6	9
18	Optimization of practical activation depth for effective CO ₂ activation using PMMA-templated carbons with a tailorable pore system of meso- and macropores. <i>Journal of Porous Materials</i> , 2017, 24, 1497-1506.	1.3	2

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19	CO ₂ Separation in a Flow System by Silica Microhoneycombs Loaded with an Ionic Liquid Prepared by the Ice-Templating Method. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2834-2839.	1.8	6
20	X-ray absorption spectroscopy for single-atom catalysts: Critical importance and persistent challenges. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1481-1488.	6.9	32
21	PMMA-Templated Carbon Gel Monoliths with Independently Tunable Micro-, Meso-, and Macropores. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 315-323.	0.3	1
22	Effect of the mesopores of carbon supports on the CO tolerance of Pt ₂ Ru ₃ polymer electrolyte fuel cell anode catalyst. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13697-13704.	3.8	17
23	Adsorption of phenol in flow systems by a monolithic carbon cryogel with a microhoneycomb structure. <i>Adsorption</i> , 2016, 22, 1051-1058.	1.4	14
24	New method for introducing mesopores into carbon microhoneycombs using dextran. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 171-177.	2.2	3
25	Tuning the Pore Structure and Surface Properties of Carbon-Based Acid Catalysts for Liquid-Phase Reactions. <i>ACS Catalysis</i> , 2015, 5, 4951-4958.	5.5	70
26	Carbon Nanotube Synthesis via the Calciothermic Reduction of Carbon Dioxide with Iron Additives. <i>ECS Solid State Letters</i> , 2015, 4, M19-M22.	1.4	6
27	Genesis of Delaminated-Zeolite Morphology: 3-D Characterization of Changes by STEM Tomography. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2598-2602.	2.1	5
28	Sonication-Free Exfoliation of Graphite Oxide via Rapid Phase Change of Water. <i>Topics in Catalysis</i> , 2015, 58, 522-528.	1.3	9
29	Flexible film-type catalysts encapsulating urease within κ -carrageenan hydrogel network. <i>Chemical Engineering Journal</i> , 2015, 278, 122-128.	6.6	7
30	Binderfree synthesis of high-surface-area carbon electrodes via CO ₂ activation of resorcinol-formaldehyde carbon xerogel disks: Analysis of activation process. <i>Carbon</i> , 2014, 76, 240-249.	5.4	36
31	Exfoliation of Graphite Oxide in Water without Sonication: Bridging Length Scales from Nanosheets to Macroscopic Materials. <i>Chemistry of Materials</i> , 2014, 26, 3334-3339.	3.2	74
32	Zeolite-supported Molecular Metal Complex Catalysts. <i>RSC Catalysis Series</i> , 2014, , 27-54.	0.1	0
33	Effect of Activation Degree of Resorcinol-Formaldehyde Carbon Gels on Carbon monoxide Tolerance of Platinum-Ruthenium Polymer Electrolyte Fuel Cell Anode Catalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23003-23010.	1.5	7
34	Marked Increase in Hydrophobicity of Monolithic Carbon Cryogels via HCl Aging of Precursor Resorcinol-Formaldehyde Hydrogels: Application to 1-Butanol Recovery from Dilute Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6866-6872.	1.5	19
35	Optimizing the dimensions of magnesium ammonium phosphate to maximize its ammonia uptake ability. <i>Advanced Powder Technology</i> , 2013, 24, 520-524.	2.0	20
36	Synthesis of Sulfonic Acid Functionalized Silica Honeycombs. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15293-15297.	1.8	7

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37	Heteroatom-Tolerant Delamination of Layered Zeolite Precursor Materials. <i>Chemistry of Materials</i> , 2013, 25, 1502-1509.	3.2	51
38	Synthesis of a Monolithic Carbon-Based Acid Catalyst with a Honeycomb Structure for Flow Reaction Systems. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15372-15376.	1.8	21
39	Analysis of the Growth Behavior of Carbon Nanofibers Synthesized Using the Liquid Pulse Injection Technique. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15281-15286.	1.8	6
40	Immobilization of magnesium ammonium phosphate crystals within microchannels for efficient ammonia removal. <i>Water Science and Technology</i> , 2013, 67, 359-365.	1.2	5
41	Synthesis of a Microhoneycomb-Type Silica-Supported Ammonium Molybdophosphate for Cesium Separation. <i>Journal of Chemical Engineering of Japan</i> , 2013, 46, 616-619.	0.3	12
42	Nonaqueous Fluoride/Chloride Anion-Promoted Delamination of Layered Zeolite Precursors: Synthesis and Characterization of UCB-2. <i>Chemistry of Materials</i> , 2011, 23, 5404-5408.	3.2	37
43	Delamination of Layered Zeolite Precursors under Mild Conditions: Synthesis of UCB-1 via Fluoride/Chloride Anion-Promoted Exfoliation. <i>Journal of the American Chemical Society</i> , 2011, 133, 3288-3291.	6.6	98
44	A Zeolite-Supported Molecular Ruthenium Complex with C_6H_6 Ligands: Chemistry Elucidated by Using Spectroscopy and Density Functional Theory. <i>Chemistry - A European Journal</i> , 2010, 16, 7427-7436.	1.7	7
45	A bioinspired approach for controlling accessibility in calix[4]arene-bound metal cluster catalysts. <i>Nature Chemistry</i> , 2010, 2, 1062-1068.	6.6	103
46	Zeolite-supported metal complexes of rhodium and of ruthenium: a general synthesis method influenced by molecular sieving effects. <i>Dalton Transactions</i> , 2010, 39, 8423.	1.6	26
47	Essentially Molecular Metal Complexes Anchored to Zeolite H^2 : Synthesis and Characterization of Rhodium Complexes and Ruthenium Complexes Prepared from $\text{Rh}(\text{acac})(\text{C}_2\text{H}_4)_2$ and <i>cis</i> - $\text{Ru}(\text{acac})_2(\text{C}_2\text{H}_4)_2$. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2685-2693.	1.5	11
48	Reactions of Highly Uniform Zeolite H^2 -Supported Rhodium Complexes: Transient Characterization by Infrared and X-ray Absorption Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8405-8413.	1.5	12
49	Role of the Support in Catalysis: Activation of a Mononuclear Ruthenium Complex for Ethene Dimerization by Chemisorption on Dealuminated Zeolite Y. <i>Chemistry - A European Journal</i> , 2009, 15, 6827-6837.	1.7	18
50	Transient Spectroscopic Characterization of the Genesis of a Ruthenium Complex Catalyst Supported on Zeolite Y. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20036-20043.	1.5	8
51	Molecular Chemistry in a Zeolite: Genesis of a Zeolite Y-Supported Ruthenium Complex Catalyst. <i>Journal of the American Chemical Society</i> , 2008, 130, 13338-13346.	6.6	37
52	Structure-Directing Agent Location and Non-Centrosymmetric Structure of Fluoride-Containing Zeolite SSZ-55. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5273-5278.	1.2	26
53	The fluoride-based route to all-silica molecular sieves; a strategy for synthesis of new materials based upon close-packing of guest-host products. <i>Comptes Rendus Chimie</i> , 2005, 8, 267-282.	0.2	94
54	The Fluoride-Based Route to All-Silica Molecular Sieves; a Strategy for Synthesis of New Materials Based Upon Close-Packing of Guest-Host Products. <i>ChemInform</i> , 2005, 36, no.	0.1	0

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55	Molecular sieve synthesis using alkylated sparteine derivatives as structure-directing agents. <i>Microporous and Mesoporous Materials</i> , 2004, 67, 67-78.	2.2	8