

# 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	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
2	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
3	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
4	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
5	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
6	Heteroatom-Tolerant Delamination of Layered Zeolite Precursor Materials. <i>Chemistry of Materials</i> , 2013, 25, 1502-1509.	3.2	51
7	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
8	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
9	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
10	Binderfree synthesis of high-surface-area carbon electrodes via CO <sub>2</sub> activation of resorcinol-formaldehyde carbon xerogel disks: Analysis of activation process. <i>Carbon</i> , 2014, 76, 240-249.	5.4	36
11	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
12	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
13	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
14	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
15	Synthesis of a Monolithic Carbon-Based Acid Catalyst with a Honeycomb Structure for Flow Reaction Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15372-15376.	1.8	21
16	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
17	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
18	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

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19	Effect of the mesopores of carbon supports on the CO tolerance of Pt <sub>2</sub> Ru <sub>3</sub> polymer electrolyte fuel cell anode catalyst. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13697-13704.	3.8	17
20	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
21	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
22	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
23	Reactions of Highly Uniform Zeolite H <sup>+</sup> -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
24	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
25	Size-activity threshold of titanium dioxide-supported Cu cluster in CO oxidation. <i>Environmental Pollution</i> , 2021, 279, 116899.	3.7	12
26	Essentially Molecular Metal Complexes Anchored to Zeolite H <sup>+</sup> : Synthesis and Characterization of Rhodium Complexes and Ruthenium Complexes Prepared from Rh(acac)( <i>i</i> -C <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> and <i>cis</i> -Ru(acac) <sub>2</sub> ( <i>i</i> -C <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2010, 114, 2685-2693.	1.5	11
27	Bruce Gates: A Career in Catalysis. <i>ACS Catalysis</i> , 2020, 10, 11912-11935.	5.5	10
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	Development of TiO <sub>2</sub> -SiO <sub>2</sub> Photocatalysts Having a Microhoneycomb Structure by the Ice Templating Method. <i>ACS Omega</i> , 2018, 3, 14274-14279.	1.6	9
30	Molecular sieve synthesis using alkylated sparteine derivatives as structure-directing agents. <i>Microporous and Mesoporous Materials</i> , 2004, 67, 67-78.	2.2	8
31	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
32	A Zeolite-Supported Molecular Ruthenium Complex with <i>trans</i> -C <sub>6</sub> H <sub>6</sub> Ligands: Chemistry Elucidated by Using Spectroscopy and Density Functional Theory. <i>Chemistry - A European Journal</i> , 2010, 16, 7427-7436.	1.7	7
33	Synthesis of Sulfonic Acid Functionalized Silica Honeycombs. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15293-15297.	1.8	7
34	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
35	Flexible film-type catalysts encapsulating urease within $\kappa$ -carrageenan hydrogel network. <i>Chemical Engineering Journal</i> , 2015, 278, 122-128.	6.6	7
36	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

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37	Analysis of the Growth Behavior of Carbon Nanofibers Synthesized Using the Liquid Pulse Injection Technique. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15281-15286.	1.8	6
38	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
39	CO <sub>2</sub> Separation in a Flow System by Silica Microhoneycombs Loaded with an Ionic Liquid Prepared by the Ice-Templating Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 2834-2839.	1.8	6
40	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
41	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
42	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
43	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
44	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
45	New method for introducing mesopores into carbon microhoneycombs using dextran. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 171-177.	2.2	3
46	MoO <sub>3</sub> nanocrystals synthesized in the confined space of a mesoporous carbon. <i>Applied Catalysis A: General</i> , 2021, 624, 118294.	2.2	3
47	Optimization of practical activation depth for effective CO <sub>2</sub> 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
48	Enhancing the efficiency of gas-liquid-solid reactions using a monolithic microhoneycomb catalyst. <i>Catalysis Today</i> , 2023, 407, 244-251.	2.2	2
49	Carbon gel monoliths with introduced straight microchannels for phenol adsorption. <i>Adsorption</i> , 2019, 25, 1241-1249.	1.4	1
50	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
51	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
52	Understanding atomically dispersed supported metal catalysts: structure and performance of active sites. <i>Catalysis</i> , 2019, , 166-197.	0.6	1
53	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
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	Zeolite-supported Molecular Metal Complex Catalysts. RSC Catalysis Series, 2014, , 27-54.	0.1	0