# Isao Ogino

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5910375/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 55 papers | 1,078 citations | 471509 17 h-index | 434195 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. Nature Chemistry, 2010, 2, 1062-1068. | 13.6 | 103 |
| 2 | Delamination of Layered Zeolite Precursors under Mild Conditions: Synthesis of UCB-1 via Fluoride/Chloride Anion-Promoted Exfoliation. Journal of the American Chemical Society, 2011, 133, 3288-3291. | 13.7 | 98 |
| 3 | The fluoride-based route to all-silica molecular sieves; a strategy for synthesis of new materials based upon close-packing of guestâ€“host products. Comptes Rendus Chimie, 2005, 8, 267-282. | 0.5 | 94 |
| 4 | Exfoliation of Graphite Oxide in Water without Sonication: Bridging Length Scales from Nanosheets to Macroscopic Materials. Chemistry of Materials, 2014, 26, 3334-3339. | 6.7 | 74 |
| 5 | Tuning the Pore Structure and Surface Properties of Carbon-Based Acid Catalysts for Liquid-Phase Reactions. ACS Catalysis, 2015, 5, 4951-4958. | 11.2 | 70 |
| 6 | Heteroatom-Tolerant Delamination of Layered Zeolite Precursor Materials. Chemistry of Materials, 2013, 25, 1502-1509. | 6.7 | 51 |
| 7 | Esterification of levulinic acid with ethanol catalyzed by sulfonated carbon catalysts: Promotional effects of additional functional groups. Catalysis Today, 2018, 314, 62-69. | 4.4 | 46 |
| 8 | Molecular Chemistry in a Zeolite: Genesis of a Zeolite Y-Supported Ruthenium Complex Catalyst. Journal of the American Chemical Society, 2008, 130, 13338-13346. | 13.7 | 37 |
| 9 | Nonaqueous Fluoride/Chloride Anion-Promoted Delamination of Layered Zeolite Precursors: Synthesis and Characterization of UCB-2. Chemistry of Materials, 2011, 23, 5404-5408. | 6.7 | 37 |
| 10 | Binderfree synthesis of high-surface-area carbon electrodes via CO2 activation of resorcinolâ€“formaldehyde carbon xerogel disks: Analysis of activation process. Carbon, 2014, 76, 240-249. | 10.3 | 36 |
| 11 | X-ray absorption spectroscopy for single-atom catalysts: Critical importance and persistent challenges. Chinese Journal of Catalysis, 2017, 38, 1481-1488. | 14.0 | 32 |
| 12 | Structure-Directing Agent Location and Non-Centrosymmetric Structure of Fluoride-Containing Zeolite SSZ-55. Journal of Physical Chemistry B, 2006, 110, 5273-5278. | 2.6 | 26 |
| 13 | Zeolite-supported metal complexes of rhodium and of ruthenium: a general synthesis method influenced by molecular sieving effects. Dalton Transactions, 2010, 39, 8423. | 3.3 | 26 |
| 14 | Carbon Paper with a High Surface Area Prepared from Carbon Nanofibers Obtained through the Liquid Pulse Injection Technique. ACS Omega, 2018, 3, 691-697. | 3.5 | 23 |
| 15 | Synthesis of a Monolithic Carbon-Based Acid Catalyst with a Honeycomb Structure for Flow Reaction Systems. Industrial & Engineering Chemistry Research, 2013, 52, 15372-15376. | 3.7 | 21 |
| 16 | Optimizing the dimensions of magnesium ammonium phosphate to maximize its ammonia uptake ability. Advanced Powder Technology, 2013, 24, 520-524. | 4.1 | 20 |
| 17 | Marked Increase in Hydrophobicity of Monolithic Carbon Cryogels via HCl Aging of Precursor Resorcinolâ€“Formaldehyde Hydrogels: Application to 1-Butanol Recovery from Dilute Aqueous Solutions. Journal of Physical Chemistry C, 2014, 118, 6866-6872. | 3.1 | 19 |
| 18 | Role of the Support in Catalysis: Activation of a Mononuclear Ruthenium Complex for Ethene Dimerization by Chemisorption on Dealuminated Zeoliteâ€¦Y. Chemistry - A European Journal, 2009, 15, 6827-6837. | 3.3 | 18 |

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|---|---|---|---|
| 19 | Effect of the mesopores of carbon supports on the CO tolerance of Pt 2 Ru 3 polymer electrolyte fuel cell anode catalyst. International Journal of Hydrogen Energy, 2016, 41, 13697-13704. | 7.1 | 17 |
| 20 | Cost-effective synthesis of activated carbons with high surface areas for electrodes of non-aqueous electric double layer capacitors. Separation and Purification Technology, 2019, 214, 174-180. | 7.9 | 15 |
| 21 | Adsorption of phenol in flow systems by a monolithic carbon cryogel with a microhoneycomb structure. Adsorption, 2016, 22, 1051-1058. | 3.0 | 14 |
| 22 | Synthesis of Mgâ€“Al Mixed Oxides with Markedly High Surface Areas from Layered Double Hydroxides with Organic Sulfonates. ACS Omega, 2018, 3, 16916-16923. | 3.5 | 14 |
| 23 | Reactions of Highly Uniform Zeolite H-Î²-Supported Rhodium Complexes: Transient Characterization by Infrared and X-ray Absorption Spectroscopies. Journal of Physical Chemistry C, 2010, 114, 8405-8413. | 3.1 | 12 |
| 24 | Synthesis of a Microhoneycomb-Type Silica-Supported Ammonium Molybdophosphate for Cesium Separation. Journal of Chemical Engineering of Japan, 2013, 46, 616-619. | 0.6 | 12 |
| 25 | Size-activity threshold of titanium dioxide-supported Cu cluster in CO oxidation. Environmental Pollution, 2021, 279, 116899. | 7.5 | 12 |
| 26 | Essentially Molecular Metal Complexes Anchored to Zeolite Î²: Synthesis and Characterization of Rhodium Complexes and Ruthenium Complexes Prepared from Rh(acac)(Î·<sup>2</sup>-C<sub>2</sub>H<sub>4</sub>)<sub>2</sub>andcis-Ru(acac)<sub>2</sub>(Î·<sup>2</sup>-C<sub>2</sub> Journal of Physical Chemistry C, 2010, 114, 2685-2693. | 3.1 | 11 |
| 27 | Bruce Gates: A Career in Catalysis. ACS Catalysis, 2020, 10, 11912-11935. | 11.2 | 10 |
| 28 | Sonication-Free Exfoliation of Graphite Oxide via Rapid Phase Change of Water. Topics in Catalysis, 2015, 58, 522-528. | 2.8 | 9 |
| 29 | Development of TiO<sub>2</sub>â€“SiO<sub>2</sub> Photocatalysts Having a Microhoneycomb Structure by the Ice Templating Method. ACS Omega, 2018, 3, 14274-14279. | 3.5 | 9 |
| 30 | Molecular sieve synthesis using alkylated sparteine derivatives as structure-directing agents. Microporous and Mesoporous Materials, 2004, 67, 67-78. | 4.4 | 8 |
| 31 | Transient Spectroscopic Characterization of the Genesis of a Ruthenium Complex Catalyst Supported on Zeolite Y. Journal of Physical Chemistry C, 2009, 113, 20036-20043. | 3.1 | 8 |
| 32 | A Zeoliteâ€Supported Molecular Ruthenium Complex with Î·<sup>6</sup>â€C<sub>6</sub>H<sub>6</sub> Ligands: Chemistry Elucidated by Using Spectroscopy and Density Functional Theory. Chemistry - A European Journal, 2010, 16, 7427-7436. | 3.3 | 7 |
| 33 | Synthesis of Sulfonic Acid Functionalized Silica Honeycombs. Industrial & Engineering Chemistry Research, 2013, 52, 15293-15297. | 3.7 | 7 |
| 34 | Effect of Activation Degree of Resorcinolâ€“Formaldehyde Carbon Gels on Carbon monoxide Tolerance of Platinumâ€“Ruthenium Polymer Electrolyte Fuel Cell Anode Catalyst. Journal of Physical Chemistry C, 2014, 118, 23003-23010. | 3.1 | 7 |
| 35 | Flexible film-type catalysts encapsulating urease within Îº-carrageenan hydrogel network. Chemical Engineering Journal, 2015, 278, 122-128. | 12.7 | 7 |
| 36 | The impact of thermal activation conditions on physicochemical properties of nanosheet-derived Mg-Al mixed oxides. Microporous and Mesoporous Materials, 2018, 263, 181-189. | 4.4 | 7 |

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|---|---|---|---|
| 37 | Analysis of the Growth Behavior of Carbon Nanofibers Synthesized Using the Liquid Pulse Injection Technique. Industrial & Engineering Chemistry Research, 2013, 52, 15281-15286. | 3.7 | 6 |
| 38 | Carbon Nanotube Synthesis via the Calciothermic Reduction of Carbon Dioxide with Iron Additives. ECS Solid State Letters, 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. Industrial & Engineering Chemistry Research, 2017, 56, 2834-2839. | 3.7 | 6 |
| 40 | The critical role of bulk density of graphene oxide in tuning its defect concentration through microwave-driven annealing. Journal of Energy Chemistry, 2018, 27, 1468-1474. | 12.9 | 6 |
| 41 | Continuous-flow separation of cesium ion by ammonium molybdophosphate immobilized in a silica microhoneycomb (AMP-SMH). Adsorption, 2019, 25, 1089-1098. | 3.0 | 6 |
| 42 | Immobilization of magnesium ammonium phosphate crystals within microchannels for efficient ammonia removal. Water Science and Technology, 2013, 67, 359-365. | 2.5 | 5 |
| 43 | Genesis of Delaminated-Zeolite Morphology: 3-D Characterization of Changes by STEM Tomography. Journal of Physical Chemistry Letters, 2015, 6, 2598-2602. | 4.6 | 5 |
| 44 | Catalytic Activity for Oxygen Reduction Reaction of Ni-Mn-Fe Layered Double Hydroxide-Carbon Gel Composite. Chemistry Letters, 2019, 48, 696-699. | 1.3 | 4 |
| 45 | New method for introducing mesopores into carbon microhoneycombs using dextran. Microporous and Mesoporous Materials, 2016, 231, 171-177. | 4.4 | 3 |
| 46 | Moâ€“Vâ€“O nanocrystals synthesized in the confined space of a mesoporous carbon. Applied Catalysis A: General, 2021, 624, 118294. | 4.3 | 3 |
| 47 | Optimization of practical activation depth for effective CO2 activation using PMMA-templated carbons with a tailorable pore system of meso- and macropores. Journal of Porous Materials, 2017, 24, 1497-1506. | 2.6 | 2 |
| 48 | Enhancing the efficiency of gas-liquid-solid reactions using a monolithic microhoneycomb catalyst. Catalysis Today, 2023, 407, 244-251. | 4.4 | 2 |
| 49 | Carbon gel monoliths with introduced straight microchannels for phenol adsorption. Adsorption, 2019, 25, 1241-1249. | 3.0 | 1 |
| 50 | Genesis of micropores by thermal activation of Mg-Al layered double hydroxides possessing interlayer organic sulfonates under oxygen-free environments. Catalysis Today, 2020, 356, 11-17. | 4.4 | 1 |
| 51 | Intercalation chemistry and thermal characteristics of layered double hydroxides possessing organic phosphonates and sulfonates. New Journal of Chemistry, 2020, 44, 10002-10010. | 2.8 | 1 |
| 52 | Understanding atomically dispersed supported metal catalysts: structure and performance of active sites. Catalysis, 2019, , 166-197. | 1.0 | 1 |
| 53 | PMMA-Templated Carbon Gel Monoliths with Independently Tunable Micro-, Meso-, and Macropores. Journal of Chemical Engineering of Japan, 2017, 50, 315-323. | 0.6 | 1 |
| 54 | The Fluoride-Based Route to All-Silica Molecular Sieves; a Strategy for Synthesis of New Materials Based Upon Close-Packing of Guestâ€”Host Products. ChemInform, 2005, 36, no. | 0.0 | 0 |

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|---|---|---|---|
| 55 | Zeolite-supported Molecular Metal Complex Catalysts. RSC Catalysis Series, 2014, , 27-54. | 0.1 | 0 |