

Masayuki Kawaguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1063545/publications.pdf>

Version: 2024-02-01

49
papers

1,696
citations

394421

19
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

1592
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Graphitic Carbon Materials with Various Nanostructures Decorated with Fe-N-C Catalytically Active Sites for Air Electrodes. <i>Electrocatalysis</i> , 2022, 13, 219-229. | 3.0 | 2 |
| 2 | Soft X-ray absorption near-edge structures of B/C and B/C/N materials and the analysis of their electronic state using the first-principle calculations. <i>Tanso</i> , 2019, 2019, 67-73. | 0.1 | 1 |
| 3 | Intercalation of Calcium into a Graphite-like Layered Material. <i>Chemistry Letters</i> , 2018, 47, 891-893. | 1.3 | 8 |
| 4 | The Role of Boron in B/C/N and B/C Materials as an Anode of Sodium Ion Batteries. <i>Electrochemistry</i> , 2015, 83, 452-458. | 1.4 | 16 |
| 5 | Heteroatom-substituted carbon alloys for use in energy conversion and storage systems. <i>Tanso</i> , 2015, 2015, 84-93. | 0.1 | 4 |
| 6 | Preparation, properties and applications of carbonaceous materials of B/C/N and C/N systems. <i>Tanso</i> , 2013, 2013, 165-170. | 0.1 | 1 |
| 7 | Intercalation of magnesium into a graphite-like layered material of composition BC ₂ N. <i>Chemical Communications</i> , 2012, 48, 6897. | 4.1 | 31 |
| 8 | Intercalation of sodium into graphite-like layered material BC ₂ N. <i>Tanso</i> , 2011, 2011, 161-167. | 0.1 | 7 |
| 9 | Factors for Active Site Generation and Pore Development in Fuel Cell Catalysts Formed from Glucose/Nitrogen Source/Fe Salts. <i>Electrochemistry</i> , 2011, 79, 318-321. | 1.4 | 1 |
| 10 | Effect of the perfluoroalkyl groups on the preparation of carbon-based transparent and conductive thin films from silylated graphite oxides. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 669-672. | 1.7 | 3 |
| 11 | Direct synthesis of a carbonaceous fuel cell catalyst from solid containing small organic molecules and metal salts. <i>Carbon</i> , 2010, 48, 3271-3276. | 10.3 | 10 |
| 12 | Intercalation Chemistry and Electronic Structure of Graphite-Like Layered Material BC ₂ N. <i>Journal of the Electrochemical Society</i> , 2010, 157, P13. | 2.9 | 26 |
| 13 | Preparation and Capacitive Properties of a Carbonaceous Material Containing Nitrogen. <i>Journal of the Electrochemical Society</i> , 2010, 157, A35. | 2.9 | 14 |
| 14 | Use of purine and pyrimidine bases as nitrogen sources of active site in oxygen reduction catalyst. <i>Journal of Power Sources</i> , 2009, 194, 655-661. | 7.8 | 29 |
| 15 | Preparation of carbon alloys composed of B/C/N system by CVD method. <i>Tanso</i> , 2009, 2009, 253-257. | 0.1 | 5 |
| 16 | Electronic structure and intercalation chemistry of graphite-like layered material with a composition of BC ₆ N. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1171-1178. | 4.0 | 40 |
| 17 | Application of nitrogen-rich amino acids to active site generation in oxygen reduction catalyst. <i>Journal of Power Sources</i> , 2008, 182, 489-495. | 7.8 | 39 |
| 18 | Intercalation of alkali metals into graphite-like layered material of composition BC ₂ N. <i>Tanso</i> , 2008, 2008, 145-147. | 0.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Preparation and characterization of carbonaceous materials containing nitrogen as electrochemical capacitor. <i>Journal of Power Sources</i> , 2007, 172, 481-486. | 7.8 | 70 |
| 20 | Influence of activated carbon pore structure on oxygen reduction at catalyst layers supported on rotating disk electrodes. <i>Carbon</i> , 2004, 42, 3115-3121. | 10.3 | 55 |
| 21 | Electrical properties of polymer/ MX 2 nanocomposites. , 2002, , . | | 4 |
| 22 | Preparation of layered B/C/N thin films on nickel single crystal by LPCVD. <i>Solid State Sciences</i> , 2002, 4, 1521-1527. | 3.2 | 10 |
| 23 | Air stability and surface passivation of acceptor-type graphite intercalation compounds. <i>Carbon</i> , 2000, 38, 1775-1783. | 10.3 | 10 |
| 24 | Electrochemical Intercalation of Lithium or Perchlorate Ion into Graphite-Like Layered Material of BC ₆ N. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 479-484. | 0.3 | 3 |
| 25 | Formation and Properties of Boron Nitride Nanocapsules with Metals and Semiconductor Nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 787-792. | 0.3 | 4 |
| 26 | Soft X-ray Emission Band Spectra of BC ₆ N and Its Electronic State. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5869-5870. | 2.6 | 7 |
| 27 | Microstructure analysis of CN-based nanocage materials by high-resolution electron microscopy. <i>Diamond and Related Materials</i> , 2000, 9, 906-910. | 3.9 | 14 |
| 28 | Crystallinity and In-plane Atomic Arrangement of Graphite-like Layered Material, BC ₆ N. <i>Tanso</i> , 2000, 2000, 365-370. | 0.1 | 3 |
| 29 | Preparation and Properties of a New Hard Material of Composition C ₃ N _{3.6-4.5} O _{1.1-1.2} H _{4.1-4.2} . <i>Chemistry Letters</i> , 1997, 26, 1003-1004. | 1.3 | 16 |
| 30 | B/C/N Materials Based on the Graphite Network. <i>Advanced Materials</i> , 1997, 9, 615-625. | 21.0 | 249 |
| 31 | Syntheses and Structures of New Graphite-like Materials of Composition BC _n (H) and BC _{3n} (H). <i>Chemistry of Materials</i> , 1996, 8, 1197-1201. | 6.7 | 213 |
| 32 | Synthesis, Structure, and Characteristics of the New Host Material [(C ₃ N ₃) ₂ (NH) ₃] _n . <i>Chemistry of Materials</i> , 1995, 7, 257-264. | 6.7 | 111 |
| 33 | Carbon dioxide laser desorption/ionization mass spectrometry of a mixture of s-triazine oligomers analyzed by a method which assumes a pattern of chemical formulae. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 465-470. | 1.5 | 3 |
| 34 | A new negative electrode matrix, BC ₂ N, for rechargeable lithium batteries. <i>Journal of Power Sources</i> , 1993, 43, 75-80. | 7.8 | 24 |
| 35 | Synthesis of a new graphite-like layered material of composition BC ₃ N. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1133. | 2.0 | 57 |
| 36 | Growth Mechanisms and Properties of Coiled Whisker of Silicon Nitride and Carbon*. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 105-115. | 1.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Behavior of BC ₂ N treated under Various Temperatures as a Negative Electrode Matrix for Rechargeable Lithium Batteries. <i>Electrochemistry</i> , 1993, 61, 1395-1402. | 0.3 | 17 |
| 38 | Synthesis of a New Graphite-Like Material of Composition BC _x N (X=3 and 7) as an Electrode Matrix. <i>Electrochemistry</i> , 1993, 61, 1403-1408. | 0.3 | 12 |
| 39 | Layered Structure of BC ₂ N as a Negative Electrode Matrix for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1992, 139, 1227-1230. | 2.9 | 98 |
| 40 | Preparation of coiled carbon fibers by catalytic pyrolysis of acetylene, and its morphology and extension characteristics. <i>Carbon</i> , 1991, 29, 379-385. | 10.3 | 123 |
| 41 | Photoluminescence characteristics of BN(C, H) prepared by chemical vapour deposition. <i>Journal of Materials Science</i> , 1991, 26, 3926-3930. | 3.7 | 34 |
| 42 | Growth of regularly coiled carbon filaments by Ni catalyzed pyrolysis of acetylene, and their morphology and extension characteristics. <i>Applied Physics Letters</i> , 1990, 56, 321-323. | 3.3 | 191 |
| 43 | Electrical conductivity and chemical bond of graphite intercalation compound with fluorine and metal fluoride. <i>Solid State Ionics</i> , 1983, 11, 65-69. | 2.7 | 10 |
| 44 | Graphite intercalation compound of fluorine with lithium fluoride. <i>Synthetic Metals</i> , 1983, 7, 117-124. | 3.9 | 36 |
| 45 | Graphite Intercalation Compound of Fluorine with Lithium Fluoride. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Physics</i> , 1983, 283-286. | 0.1 | 3 |
| 46 | The Preparation of Poly(dicarbon monofluoride) via the Graphite Intercalation Compound. <i>Bulletin of the Chemical Society of Japan</i> , 1983, 56, 455-457. | 3.2 | 4 |
| 47 | Graphite Intercalation Compound of Fluorine with Lithium Fluoride. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Physics</i> , 1982, 1084-1091. | 0.1 | 1 |
| 48 | Ternary Intercalation Compound of Graphite with Aluminum Fluoride and Fluorine. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1981, 36, 1419-1423. | 0.7 | 30 |
| 49 | TERNARY INTERCALATION COMPOUND OF GRAPHITE WITH ALUMINUM FLUORIDE AND FLUORINE. <i>Chemistry Letters</i> , 1981, 10, 1045-1048. | 1.3 | 14 |