Masayuki Kawaguchi

List of Publications by Year in descending order

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

Version: 2024-02-01

394421 276875 49 1,696 19 41 citations g-index h-index papers 49 49 49 1592 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	B/C/N Materials Based on the Graphite Network. Advanced Materials, 1997, 9, 615-625.	21.0	249
2	Syntheses and Structures of New Graphite-like Materials of Composition BCN(H) and BC3N(H). Chemistry of Materials, 1996, 8, 1197-1201.	6.7	213
3	Growth of regularly coiled carbon filaments by Ni catalyzed pyrolysis of acetylene, and their morphology and extension characteristics. Applied Physics Letters, 1990, 56, 321-323.	3.3	191
4	Preparation of coiled carbon fibers by catalytic pyrolysis of acetylene, and its morphology and extension characteristics. Carbon, 1991, 29, 379-385.	10.3	123
5	Synthesis, Structure, and Characteristics of the New Host Material [(C3N3)2(NH)3]n. Chemistry of Materials, 1995, 7, 257-264.	6.7	111
6	Layeredâ€Structure  BC 2 N  as a Negative Electrode Matrix for Rechargeable Lithium Batteries. the Electrochemical Society, 1992, 139, 1227-1230.	. Journal o	f ₉₈
7	Preparation and characterization of carbonaceous materials containing nitrogen as electrochemical capacitor. Journal of Power Sources, 2007, 172, 481-486.	7.8	70
8	Synthesis of a new graphite-like layered material of composition BC3N. Journal of the Chemical Society Chemical Communications, 1993, , 1133.	2.0	57
9	Influence of activated carbon pore structure on oxygen reduction at catalyst layers supported on rotating disk electrodes. Carbon, 2004, 42, 3115-3121.	10.3	55
10	Electronic structure and intercalation chemistry of graphite-like layered material with a composition of BC6N. Journal of Physics and Chemistry of Solids, 2008, 69, 1171-1178.	4.0	40
11	Application of nitrogen-rich amino acids to active site generation in oxygen reduction catalyst. Journal of Power Sources, 2008, 182, 489-495.	7.8	39
12	Graphite intercalation compound of fluorine with lithium fluoride. Synthetic Metals, 1983, 7, 117-124.	3.9	36
13	Photoluminescence characteristics of BN(C, H) prepared by chemical vapour deposition. Journal of Materials Science, 1991, 26, 3926-3930.	3.7	34
14	Intercalation of magnesium into a graphite-like layered material of composition BC2N. Chemical Communications, 2012, 48, 6897.	4.1	31
15	Ternary Intercalation Compound of Graphite with Aluminum Fluoride and Fluorine. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1981, 36, 1419-1423.	0.7	30
16	Use of purine and pyrimidine bases as nitrogen sources of active site in oxygen reduction catalyst. Journal of Power Sources, 2009, 194, 655-661.	7.8	29
17	Growth Mechanisms and Properties of Coiled Whisker of Silicon Nitride and Carbon*. Japanese Journal of Applied Physics, 1993, 32, 105-115.	1.5	26
18	Intercalation Chemistry and Electronic Structure of Graphite-Like Layered Material BC[sub 2]N. Journal of the Electrochemical Society, 2010, 157, P13.	2.9	26

#	Article	IF	Citations
19	A new negative electrode matrix, BC2N, for rechargeable lithium batteries. Journal of Power Sources, 1993, 43, 75-80.	7.8	24
20	Behavior of BC ₂ N treated under Various Temperatures as a Negative Electrode Matrix for Rechargeable Lithium Batteries. Electrochemistry, 1993, 61, 1395-1402.	0.3	17
21	Preparation and Properties of a New Hard Material of Composition C3N3.6-4.5O1.1-1.2H4.1-4.2. Chemistry Letters, 1997, 26, 1003-1004.	1.3	16
22	The Role of Boron in B/C/N and B/C Materials as an Anode of Sodium Ion Batteries. Electrochemistry, 2015, 83, 452-458.	1.4	16
23	TERNARY INTERCALATION COMPOUND OF GRAPHITE WITH ALUMINUM FLUORIDE AND FLUORINE. Chemistry Letters, 1981, 10, 1045-1048.	1.3	14
24	Microstructure analysis of CN-based nanocage materials by high-resolution electron microscopy. Diamond and Related Materials, 2000, 9, 906-910.	3.9	14
25	Preparation and Capacitive Properties of a Carbonaceous Material Containing Nitrogen. Journal of the Electrochemical Society, 2010, 157, A35.	2.9	14
26	Synthesis of a New Graphite-Like Material of Composition BC _x N (X=3 and 7) as an Electrode Matrix. Electrochemistry, 1993, 61, 1403-1408.	0.3	12
27	Electrical conductivity and chemical bond of graphite intercalation compound with fluorine and metal fluoride. Solid State lonics, 1983 , 11 , 65 - 69 .	2.7	10
28	Air stability and surface passivation of acceptor-type graphite intercalation compounds. Carbon, 2000, 38, 1775-1783.	10.3	10
29	Preparation of layered B/C/N thin films on nickel single crystal by LPCVD. Solid State Sciences, 2002, 4, 1521-1527.	3.2	10
30	Direct synthesis of a carbonaceous fuel cell catalyst from solid containing small organic molecules and metal salts. Carbon, 2010, 48, 3271-3276.	10.3	10
31	Intercalation of Calcium into a Graphite-like Layered Material. Chemistry Letters, 2018, 47, 891-893.	1.3	8
32	Soft X-ray Emission Band Spectra of BC6N and Its Electronic State. Journal of Physical Chemistry B, 2000, 104, 5869-5870.	2.6	7
33	Intercalation of alkali metals into graphite-like layered material of composition BC2N. Tanso, 2008, 2008, 145-147.	0.1	7
34	Intercalation of sodium into graphite-like layered material BC2N. Tanso, 2011, 2011, 161-167.	0.1	7
35	Preparation of carbon alloys composed of B/C/N system by CVD method. Tanso, 2009, 2009, 253-257.	0.1	5
36	The Preparation of Poly(dicarbon monofluoride)viathe Graphite Intercalation Compound. Bulletin of the Chemical Society of Japan, 1983, 56, 455-457.	3.2	4

3

#	Article	IF	CITATIONS
37	Formation and Properties of Boron Nitride Nanocapsules with Metals and Semiconductor Nanoparticles. Molecular Crystals and Liquid Crystals, 2000, 340, 787-792.	0.3	4
38	Electrical properties of polymer/ MX 2 nanocomposites. , 2002, , .		4
39	Heteroatom-substituted carbon alloys for use in energy conversion and storage systems. Tanso, 2015, 2015, 84-93.	0.1	4
40	ãf•ãffç´ã•ãf•ãff化銅(II)ã®é»'é‱å± ë –"化å•̂物ã®å•戕 Nippon Kagaku Kaishi / Chemical Society of Jap 1983, 283-286.	an - Chem	istry and Ind
41	Carbon dioxide laser desorption/ionization mass spectrometry of a mixture ofs-triazine oligomers analyzed by a method which assumes a pattern of chemical formulae. Rapid Communications in Mass Spectrometry, 1994, 8, 465-470.	1.5	3
42	Electrochemical Intercalation of Lithium or Perchlorate Ion into Graphite-Like Layered Material of BC ₆ N. Molecular Crystals and Liquid Crystals, 2000, 340, 479-484.	0.3	3
43	Effect of the perfluoroalkyl groups on the preparation of carbon-based transparent and conductive thin films from silylated graphite oxides. Journal of Fluorine Chemistry, 2011, 132, 669-672.	1.7	3
44	Crystallinity and In-plane Atomic Arrangement of Graphite-like Layered Material, BC6N. Tanso, 2000, 2000, 365-370.	0.1	3
45	Graphitic Carbon Materials with Various Nanostructures Decorated with Fe-N-C Catalytically Active Sites for Air Electrodes. Electrocatalysis, 2022, 13, 219-229.	3.0	2
46	æ¶èžKH2F3ä¸ã§ã®ã¸ã¸ã,¢ãƒŽã¸ã,¢ãƒŸãƒ‰ã®é›»è§£ãƒ•ッç′化å応. Nippon Kagaku Kaishi / Chemical Societ 1982, 1982, 1084-1091.	y of Japan	- Chemistry a
47	Factors for Active Site Generation and Pore Development in Fuel Cell Catalysts Formed from Glucose/Nitrogen Source/Fe Salts. Electrochemistry, 2011, 79, 318-321.	1.4	1
48	Preparation, properties and applications of carbonaceous materials of B/C/N and C/N systems. Tanso, 2013, 2013, 165-170.	0.1	1
49	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. Tanso, 2019, 2019, 67-73.	0.1	1