

Masayuki Kawaguchi

List of Publications by Year in descending order

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49
papers

1,696
citations

394421

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41
g-index

49
all docs

49
docs citations

49
times ranked

1592
citing authors

#	ARTICLE	IF	CITATIONS
1	B/C/N Materials Based on the Graphite Network. <i>Advanced Materials</i> , 1997, 9, 615-625.	21.0	249
2	Syntheses and Structures of New Graphite-like Materials of Composition BCN(H) and BC ₃ N(H). <i>Chemistry of Materials</i> , 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. <i>Applied Physics Letters</i> , 1990, 56, 321-323.	3.3	191
4	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
5	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
6	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
7	Preparation and characterization of carbonaceous materials containing nitrogen as electrochemical capacitor. <i>Journal of Power Sources</i> , 2007, 172, 481-486.	7.8	70
8	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
9	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
10	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
11	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
12	Graphite intercalation compound of fluorine with lithium fluoride. <i>Synthetic Metals</i> , 1983, 7, 117-124.	3.9	36
13	Photoluminescence characteristics of BN(C, H) prepared by chemical vapour deposition. <i>Journal of Materials Science</i> , 1991, 26, 3926-3930.	3.7	34
14	Intercalation of magnesium into a graphite-like layered material of composition BC ₂ N. <i>Chemical Communications</i> , 2012, 48, 6897.	4.1	31
15	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
16	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
17	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
18	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

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19	A new negative electrode matrix, BC ₂ N, 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 C ₃ N _{3.6-4.5} O _{1.1-1.2} H _{4.1-4.2} . 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 Ionics, 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 BC ₆ N 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 BC ₂ N. Tanso, 2008, 2008, 145-147.	0.1	7
34	Intercalation of sodium into graphite-like layered material BC ₂ N. 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) via the Graphite Intercalation Compound. Bulletin of the Chemical Society of Japan, 1983, 56, 455-457.	3.2	4

