

Yoshiaki Matsuo

List of Publications by Year in descending order

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106
papers

2,828
citations

236833

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109
times ranked

3012
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of a flexible self-standing graphene-like graphite thin film and its application to anode materials for thin-film all-solid-state lithium-ion batteries. , 2022, 1, 142-146.		6
2	Effect of Additives on the Interfacial Degradation Phenomena of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Thin-Film Electrodes. Journal of the Electrochemical Society, 2021, 168, 080539.	1.3	4
3	Graphene-like Graphite as a Novel Cathode Material with a Large Capacity and Moderate Operating Potential for Dual Carbon Batteries. Journal of the Electrochemical Society, 2021, 168, 010528.	1.3	7
4	Microscopic characterization of the C-F bonds in fluorine-graphite intercalation compounds. Journal of Power Sources, 2020, 445, 227320.	4.0	27
5	Deoxofluorination of graphite oxide with sulfur tetrafluoride. Dalton Transactions, 2020, 49, 47-56.	1.6	7
6	Charge-discharge behavior of fluorine-intercalated graphite for the positive electrode of fluoride ion shuttle battery. Electrochemistry Communications, 2020, 110, 106626.	2.3	16
7	Function of Porous Carbon Electrode during the Fabrication of Multiporous-Layered-Electrode Perovskite Solar Cells. Photonics, 2020, 7, 133.	0.9	11
8	Effect of hydrogen-gas treatment on the local structure of graphene-like graphite. Carbon, 2020, 163, 162-168.	5.4	9
9	Accommodation of a Large Amount of Lithium Ions in Silsesquioxane-pillared Carbon: A Potential Anode of an All-solid-state Lithium Ion Battery. Chemistry Letters, 2020, 49, 757-759.	0.7	1
10	Graphene-Like Graphite Negative Electrode Rapidly Chargeable at Constant Voltage. Journal of the Electrochemical Society, 2020, 167, 110518.	1.3	5
11	Electrochemical Properties of Pillared Carbons for the Electrode of Electric Double Layer Capacitor. Electrochemistry, 2020, 88, 53-56.	0.6	0
12	Synthesis of Ordered Carbonaceous Framework with Microporosity from Porphyrin with Ethynyl Groups. Chemistry Letters, 2020, 49, 619-623.	0.7	14
13	Discharge Characteristic of Fluorinated Graphene-like Graphite as a Cathode of Lithium Primary Battery. Electrochemistry, 2020, 88, 437-440.	0.6	9
14	Effects of Pre-Lithiation on the Electrochemical Properties of Graphene-Like Graphite. Electrochemistry, 2019, 87, 260-264.	0.6	11
15	Water Electrolysis using Flame-Annealed Pencil-Graphite Rods. ACS Sustainable Chemistry and Engineering, 2019, 7, 5681-5689.	3.2	11
16	Coatable Photomobile Polymer Films Using Spring-Like Photochromic Compounds. Macromolecular Chemistry and Physics, 2018, 219, 1700602.	1.1	9
17	Electrochemical properties of nitrogen-doped carbons prepared by the thermal reduction of furfurylamine-intercalated graphite oxide. Tanso, 2018, 2018, 2-7.	0.1	6
18	Electrochemical Intercalation Behaviors of Lithium Ions into Graphene-Like Graphite. Journal of the Electrochemical Society, 2018, 165, A2409-A2414.	1.3	20

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19	Effect of oxygen contents in graphene like graphite anodes on their capacity for lithium ion battery. <i>Journal of Power Sources</i> , 2018, 396, 134-140.	4.0	29
20	¹³ C/ ¹⁹ F high-resolution solid-state NMR studies on layered carbon-fluorine compounds. <i>Carbon</i> , 2018, 138, 179-187.	5.4	27
21	Electrochemical properties of nitrogen-doped carbons prepared by the thermal reduction of furfurylamine-intercalated graphite oxide. <i>Tanso</i> , 2018, 2018, 227-227.	0.1	0
22	Functional group dependence of spin magnetism in graphene oxide. <i>Polyhedron</i> , 2017, 136, 155-158.	1.0	16
23	Synthesis of ordered carbonaceous frameworks from organic crystals. <i>Nature Communications</i> , 2017, 8, 109.	5.8	60
24	Graphene-Like-Graphite as Fast-Chargeable and High-Capacity Anode Materials for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 14782.	1.6	116
25	Selective Detection of Acetone Vapor Using Hydrophobized Pillared Carbon Thin Films. <i>Frontiers in Materials</i> , 2017, 4, .	1.2	0
26	Vanadium-Ion Redox Reactions in a Three-Dimensional Network of Reduced Graphite Oxide. <i>ChemElectroChem</i> , 2016, 3, 650-657.	1.7	16
27	Preparation and structure of graphite oxide functionalized with 1-aminopyrene. <i>Tanso</i> , 2016, 2016, 57-63.	0.1	1
28	Electrochemical oxidation of graphite in aqueous hydrofluoric acid solution at high current densities. <i>Journal of Fluorine Chemistry</i> , 2016, 185, 36-41.	0.9	17
29	Electrochemical Intercalation of Sodium Ions into Thermally Reduced Graphite Oxide. <i>Electrochemistry</i> , 2015, 83, 345-347.	0.6	7
30	Porous Properties of Pillared Carbons Prepared from the Thermal Reduction of Graphite Oxide Repeatedly Silylated with Methyltrichlorosilanes. <i>Frontiers in Materials</i> , 2015, 2, .	1.2	5
31	Pyrolytic carbon from graphite oxide as a negative electrode of sodium-ion battery. <i>Journal of Power Sources</i> , 2014, 263, 158-162.	4.0	41
32	Silica-pillared graphene sheets with iron-nitrogen units as an oxygen reduction catalyst. <i>Carbon</i> , 2014, 66, 327-333.	5.4	14
33	Preparation of pillared carbon thin films from the reduction of silylated graphite oxide by UV light irradiation and their size selective electrical response to various molecules. <i>Carbon</i> , 2014, 75, 271-276.	5.4	8
34	Preparation and applications of new intercalation compounds of graphite oxide. <i>Tanso</i> , 2014, 2014, 109-113.	0.1	0
35	Suppression of thermal quenching of fluorescence from rhodamine dyes attached to silylated magadiite containing perfluoroalkyl groups. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 220-223.	0.9	2
36	Preparation of microporous pillared magadiite from silylated magadiite and their unique inclusion behaviors of organic molecules. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 171-177.	2.2	11

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37	Preparation and Visible-light Photocatalytic Activity of Microporous Pillared Layered Titanate. Chemistry Letters, 2013, 42, 504-506.	0.7	0
38	Preparation of microporous pillared carbons from the silylated graphite oxide prepared by a two-step method. Journal of Physics and Chemistry of Solids, 2012, 73, 1424-1427.	1.9	17
39	Pillared carbons consisting of silsesquioxane bridged graphene layers for hydrogen storage materials. International Journal of Hydrogen Energy, 2012, 37, 10702-10708.	3.8	37
40	Preparation of pillared carbon thin films and their size selective electrical response to organic vapor. Carbon, 2012, 50, 5346-5348.	5.4	7
41	Effect of the addition of water on the preparation of pillared carbon from graphite oxide silylated by a two-step method. Tanso, 2012, 2012, 116-121.	0.1	1
42	Intercalation of various organic molecules into pillared carbon. Carbon, 2012, 50, 2280-2286.	5.4	20
43	Size-dependent inclusion of organic molecules into elastic pillared carbons. Chemical Communications, 2011, 47, 4409.	2.2	16
44	Electrochemical Impedance Spectroscopy of Stainless Steels in Soy Sauce. Zairyo To Kankyo/Corrosion Engineering, 2011, 60, 290-295.	0.0	0
45	Factors Affecting the Formation of Carbon Film on the Stainless Steels for the Bipolar Plate of Polymer Electrolyte Fuel Cells. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	6
46	Improvement in stability of LiMn2O4 thin-film electrodes by oxygen-plasma irradiation to precursor gel. Journal of Solid State Electrochemistry, 2011, 15, 503-510.	1.2	9
47	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.	0.9	3
48	Preparation of carbon-coated stainless steels and their properties as bipolar plate materials of polymer electrolyte fuel cells. Tanso, 2011, 2011, 54-58.	0.1	3
49	Preparation of Semiconducting Graphene-based Carbon Films from Silylated Graphite Oxide and Covalent Attachment of Dye Molecules. Chemistry Letters, 2010, 39, 636-637.	0.7	8
50	Preparation of carbon-based transparent and conductive thin films by pyrolysis of silylated graphite oxides. Carbon, 2010, 48, 4009-4014.	5.4	15
51	Ion-solvent interaction for lithium-ion transfer at the interface between carbonaceous thin-film electrode and electrolyte. Tanso, 2010, 2010, 188-191.	0.1	7
52	Preparation and properties of carbon thin films from the dispersion of graphite oxide or organically modified graphite oxides. Tanso, 2010, 2010, 200-205.	0.1	1
53	Preparation and dispersion behavior of silylated graphite oxide intercalated by n-hexadecylamine. Tanso, 2010, 2010, 93-96.	0.1	2
54	Preparation and characterization of pillared carbons obtained by pyrolysis of silylated graphite oxides. Carbon, 2009, 47, 804-811.	5.4	33

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55	The effect of alkyl chain length on the structure of pillared carbons prepared by the silylation of graphite oxide with alkyltrichlorosilanes. <i>Carbon</i> , 2009, 47, 2782-2788.	5.4	26
56	Covalent Attachment of Pyrene onto the Layer Surfaces of Silylated Magadiite at a High Concentration without Aggregation. <i>Chemistry Letters</i> , 2009, 38, 1130-1131.	0.7	3
57	Removal of formaldehyde from gas phase by silylated graphite oxide containing amino groups. <i>Carbon</i> , 2008, 46, 1162-1163.	5.4	84
58	XPS studies on passive film formed on stainless steel in a high-temperature and high-pressure methanol solution containing chloride ions. <i>Corrosion Science</i> , 2008, 50, 2840-2845.	3.0	59
59	Silylation of graphite oxide by dimethyloctylchlorosilane. <i>Tanso</i> , 2008, 2008, 115-118.	0.1	2
60	Improvement in Corrosion Properties of Carbon-coated Fe-based Metals for PEFC Bipolar Plate. <i>Electrochemistry</i> , 2007, 75, 152-154.	0.6	14
61	Preparation of Pillared Carbons by Pyrolysis of Silylated Graphite Oxide. <i>Chemistry Letters</i> , 2007, 36, 1050-1051.	0.7	34
62	Hydrophilic Treatment of Carbon-coated Metal by Plasma Fluorination. <i>Chemistry Letters</i> , 2007, 36, 1440-1441.	0.7	6
63	Preparation of intercalation compounds of graphite oxide. <i>Tanso</i> , 2007, 2007, 209-214.	0.1	3
64	Preparation of carbonaceous thin films by plasma-assisted chemical vapor deposition and their application to energy devices. <i>Tanso</i> , 2007, 2007, 352-361.	0.1	0
65	Preparation and characterization of alkylamine-intercalated graphite oxides. <i>Carbon</i> , 2007, 45, 1005-1012.	5.4	147
66	Introduction of amino groups into the interlayer space of graphite oxide using 3-aminopropylethoxysilanes. <i>Carbon</i> , 2007, 45, 1384-1390.	5.4	92
67	Synthesis, structure and properties of intercalation compounds containing perfluoroalkyl groups. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 336-343.	0.9	7
68	Carbon-coated stainless steel as PEFC bipolar plate material. <i>Journal of Power Sources</i> , 2007, 174, 199-205.	4.0	147
69	Preparation of carbonaceous thin films by plasma-assisted chemical vapor deposition using active fluorine atoms. <i>Tanso</i> , 2007, 2007, 293-298.	0.1	0
70	Monomeric Dispersion of Covalently Attached Pyrene Chromophores in Silylated Graphite Oxide. <i>Chemistry Letters</i> , 2006, 35, 530-531.	0.7	10
71	Reaction between dibutyltin oxide and graphite oxide. <i>Carbon</i> , 2006, 44, 3134-3135.	5.4	11
72	Dispersion of Organic Dyes in n-Hexadecylamine-Intercalated Vanadium Xerogel Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 452, 137-158.	0.4	8

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73	Preparation of surface-modified carbonaceous thin-film electrodes by NF ₃ plasma and their electrochemical properties. <i>Journal of Power Sources</i> , 2005, 146, 151-155.	4.0	18
74	Cathode properties of birnessite type manganese oxide prepared by using vanadium xerogel. <i>Journal of Power Sources</i> , 2005, 146, 300-303.	4.0	8
75	Preparation and characterization of silylated graphite oxide. <i>Carbon</i> , 2005, 43, 2875-2882.	5.4	108
76	Battery application of graphite intercalation compounds. , 2005, , 397-417.		1
77	Preparation of LiMn ₂ O ₄ Thin-Film Electrode by the Oxygen Plasma-Assisted Sol-Gel Method. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A481.	2.2	8
78	Enhanced Fluorescence from Rhodamine B Intercalated into Hydrophobized Graphite Oxides Containing Perfluoroalkyl Chains. <i>Chemistry Letters</i> , 2004, 33, 1432-1433.	0.7	16
79	Preparation of High Nitrogen Containing Stainless Steels by Mechanical Alloying Method and Their Localized Corrosion Behavior. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2004, 53, 1175-1179.	0.1	12
80	Characterization of n-hexadecylalkylamine-intercalated graphite oxides as sorbents. <i>Carbon</i> , 2003, 41, 1545-1550.	5.4	42
81	Preparation and Fluorescent Properties of Rhodamine B-hexadecylamine-intercalated Graphite Oxide Thin Film. <i>Chemistry Letters</i> , 2003, 32, 1004-1005.	0.7	17
82	Surface Plasma Modification of Carbonaceous Thin Film Electrodes. <i>Electrochemistry</i> , 2003, 71, 1111-1113.	0.6	8
83	Surface Modification Of Carbonaceous Thin Films By Nf ₃ Plasma And Their Effects On Electrochemical Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 388, 117-122.	0.4	7
84	Control of Roughness in Mo/Al Multilayer Film Fabricated by DC Magnetron Sputtering. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5338-5341.	0.8	11
85	Photochemical dimerization of acenaphthylene in hydrophobized graphite oxide. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 386, 45-50.	0.4	13
86	Synthesis of polyaniline-intercalated layered materials via exchange reaction. <i>Journal of Materials Chemistry</i> , 2002, 12, 1592-1596.	6.7	79
87	Photochemical dimerization of acenaphthylene in surfactant-intercalated graphite oxide. <i>Carbon</i> , 2002, 40, 958-961.	5.4	15
88	Hybridization-dependent Electrochemical Responses of Anthraquinone-modified Oligonucleotides. <i>Electrochemistry</i> , 2002, 70, 789-794.	0.6	3
89	Surface Layer Formation on Thin-Film LiMn ₂ O ₄ Electrodes at Elevated Temperatures. <i>Journal of the Electrochemical Society</i> , 2001, 148, A687.	1.3	121
90	Cyclic Voltammetric Responses in Hybrid Formation of 2'-Anthraquinone-Modified Oligonucleotide with DNA. <i>Chemistry Letters</i> , 2001, 30, 1132-1133.	0.7	6

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91	Charge-Discharge Characteristic of Polyaniline Intercalated Graphite Oxide. <i>Electrochemistry</i> , 2001, 69, 530-535.	0.6	7
92	Electrochemical Lithiation of Carbon Prepared from Pyrolysis of Graphite Oxide. <i>Journal of the Electrochemical Society</i> , 1999, 146, 2011-2014.	1.3	27
93	Interfacial studies of a thin-film Li ₂ Mn ₄ O ₉ electrode. <i>Electrochimica Acta</i> , 1999, 45, 225-233.	2.6	30
94	Preparation and characterization of cationic surfactant-intercalated graphite oxide. <i>Carbon</i> , 1999, 37, 897-901.	5.4	106
95	Monomer emission from pyrene adsorbed in surfactant-intercalated graphite oxide. <i>Chemical Communications</i> , 1999, , 43-44.	2.2	42
96	Selective Intercalation of Aromatic Molecules into Alkyltrimethylammonium Ion-Intercalated Graphite Oxide. <i>Chemistry Letters</i> , 1999, 28, 1109-1110.	0.7	37
97	Electrochemical fluorination of graphite in 47% HF aqueous solution. <i>Journal of Fluorine Chemistry</i> , 1998, 87, 145-150.	0.9	20
98	Electrochemical Intercalation of Lithium into Pyrolytic Carbon from Graphite Oxide. <i>Electrochemistry</i> , 1998, 66, 1288-1290.	0.3	5
99	Structure and thermal properties of poly(ethylene oxide)-intercalated graphite oxide. <i>Carbon</i> , 1997, 35, 113-120.	5.4	189
100	Electrochemical properties of fluorinated fullerene C ₆₀ . <i>Electrochimica Acta</i> , 1996, 41, 15-19.	2.6	25
101	Synthesis and spectroscopic study of fluorinated fullerene, C ₆₀ . <i>Journal of Fluorine Chemistry</i> , 1996, 78, 7-13.	0.9	32
102	Synthesis of fluorine-graphite intercalation compounds by elemental fluorine and high oxidation-state transition-metal fluorides. <i>Carbon</i> , 1996, 34, 1595-1598.	5.4	19
103	Vanadium Oxide Fluoride-Graphite Intercalation Compounds: Structural Characteristics and Electrochemical Insertion of Lithium Cations. <i>Journal of the Electrochemical Society</i> , 1996, 143, 2093-2099.	1.3	10
104	Carbon-Fluorine Bondings of Fluorinated Fullerene and Graphite. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1995, 621, 1943-1950.	0.6	19
105	Formation process and structure of graphite oxide. <i>Carbon</i> , 1994, 32, 469-475.	5.4	378
106	Preparation of Fluorine-Graphite Intercalation Compound by Electrochemical Method Using a Fluoride Ion Conductor. <i>Tanso</i> , 1993, 1993, 272-278.	0.1	4