

Soshi Shiraishi

List of Publications by Year in descending order

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4,823
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117571
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#	ARTICLE	IF	CITATIONS
1	Development of Novel Carbon Electrode for Electrochemical Energy Storage. Nano-sized Carbon and Classic Carbon Electrodes for Capacitors. <i>Electrochemistry</i> , 2021, 89, 491-499.	0.6	5
2	Regeneration of Fully-discharged Graphite-Fluoride Lithium Primary Battery as Electrochemical Capacitor. <i>Electrochemistry</i> , 2021, 89, 87-93.	0.6	5
3	A high-energy density hybrid capacitor derived from a graphite-oxide lithium primary battery. <i>Tanso</i> , 2021, 2021, 76-79.	0.1	1
4	High-Capacity Hard Carbon Synthesized from Macroporous Phenolic Resin for Sodium-Ion and Potassium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 135-140.	2.5	113
5	Nitrogen Doped Superactivated Carbons Prepared at Mild Conditions as Electrodes for Supercapacitors in Organic Electrolyte. <i>Journal of Carbon Research</i> , 2020, 6, 56.	1.4	3
6	Effect of the thickness of single-walled carbon nanotube electrodes on the discharge properties of Li-air batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114603.	1.9	9
7	Thermal Pore Stability of Activated Carbon Materials to Heat Treatment above 1000°C and Lithium-ion Capacitors Using Heated Silicon-carbide-derived Carbon. <i>Electrochemistry</i> , 2020, 88, 57-59.	0.6	1
8	Structural Analysis of Sucrose-Derived Hard Carbon and Correlation with the Electrochemical Properties for Lithium, Sodium, and Potassium Insertion. <i>Chemistry of Materials</i> , 2020, 32, 2961-2977.	3.2	150
9	Nitrogen-Doped Seamless Activated Carbon Electrode with Excellent Durability for Electric Double Layer Capacitor. <i>Journal of the Electrochemical Society</i> , 2020, 167, 060523.	1.3	17
10	Capacitance Properties and Durability of Various Single-Walled Carbon Nanotube Electrodes for Electric Double Layer Capacitor. <i>Electrochemistry</i> , 2020, 88, 369-373.	0.6	3
11	Capacitance and electrochemical stability of activated carbon electrodes in sulfone electrolytes for electric double layer capacitors. <i>Tanso</i> , 2019, 2019, 128-134.	0.1	2
12	Capacitance properties of activated Ketjenblack as an electrode active-material for an electric double layer capacitor. <i>Tanso</i> , 2019, 2019, 139-147.	0.1	3
13	Durability evaluation method of activated carbon electrode for electric double layer capacitor. <i>Tanso</i> , 2019, 2019, 154-158.	0.1	5
14	Electrode Carbon Material for Electric Double Layer Capacitors. <i>Vacuum and Surface Science</i> , 2019, 62, 703-708.	0.0	2
15	A carbon electrode prepared by defluorination for use in an electrochemical capacitor. <i>Carbon</i> , 2016, 107, 933.	5.4	1
16	Electrochemical Performance. , 2016, , 205-226.		3
17	A carbon electrode prepared by defluorination for use in an electrochemical capacitor. <i>Tanso</i> , 2016, 2016, 75-82.	0.1	2
18	Application of Carbon Materials Derived from Fluorocarbons in an Electrochemical Capacitor. , 2015, , 415-430.		3

19	Improvement of carbon materials performance by nitrogen functional groups in electrochemical capacitors in organic electrolyte at severe conditions. Carbon, 2015, 82, 205-213.	5.4	66
20	Carbonâ€‘carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. Carbon, 2014, 67, 792-794.	5.4	23
21	Activated Carbons. , 2014, , 1-7.		2
22	Characterization of Carbon Microstructure by Electrochemical Oxidation. Electrochemistry, 2010, 78, 517-522.	0.6	4
23	Electrochemical reaction of fructose dehydrogenase on carbon cryogel electrodes with controlled pore sizes. Electrochemistry Communications, 2010, 12, 446-449.	2.3	74
24	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. Carbon, 2010, 48, 1451-1456.	5.4	40
25	Synthesis and properties of 5,10,15,20-tetrakis[4-(alkoxysilyl)phenyl]porphyrins: an application of selective deprotection of benzaldehyde diethyl acetals in the presence of alkoxysilyl groups. Dalton Transactions, 2010, 39, 9421.	1.6	3
26	Nitrogenâ€™Enriched Nonporous Carbon Electrodes with Extraordinary Supercapacitance. Advanced Functional Materials, 2009, 19, 1800-1809.	7.8	720
27	Electromechanical behavior of a fully plastic actuator based on dispersed nano-carbon/ionic-liquid-gel electrodes. Carbon, 2009, 47, 1373-1380.	5.4	81
28	Influence of heating duration on high-voltage charging durability of an activated carbon electrode for electric double layer capacitors. Tanso, 2009, 2009, 226-229.	0.1	0
29	Preparation of Silicon Carbide-based Nanoporous Materials by Replica Technique. Chemistry Letters, 2008, 37, 574-575.	0.7	14
30	Polyion Complex Nanocomposite Electrode Incorporating Enzyme and Carbon Nanotube for Biofuel Cells. Electrochemistry, 2008, 76, 55-58.	0.6	19
31	Optimization of Enzyme Anode and Cathode with Polyion Complex for the Application to Biofuel Cells. Electrochemistry, 2008, 76, 619-624.	0.6	16
32	é»æ°—åĖ—ăŧă,făf’ă,-ă,ză@æ,-ăš. Electrochemistry, 2008, 76, 74-79.	0.6	2
33	Electrochemical capacitance of carbonized polyaniline. Tanso, 2008, 2008, 61-66.	0.1	10
34	Preparation of nanoporous carbons by defluorination. Tanso, 2008, 2008, 92-97.	0.1	1
35	Electric Double Layer Capacitance of Activated Carbon Nanofibers in Ionic Liquid: EMImBF ₄ . Electrochemistry, 2007, 75, 619-621.	0.6	23
36	Characterization of activated carbons for electric double layer capacitor and its attention. Tanso, 2007, 2007, 195-199.	0.1	10

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37	Dependence of electric double layer capacitance on electrolyte ion for carbon electrolyte interface. Tanso, 2007, 2007, 237-241.	0.1	5
38	Electric double layer capacitance of multi-walled carbon nanotubes and B-doping effect. Applied Physics A: Materials Science and Processing, 2006, 82, 585-591.	1.1	110
39	Electrochemical Lithium Ion Doping and Undoping Behavior of Carbyne-like Carbon Film Electrode. Chemistry Letters, 2005, 34, 1678-1679.	0.7	9
40	Electric Double Layer Capacitance of Activated Carbon Fibers in Ionic Liquid : EMImBF ₄ . Electrochemistry, 2005, 73, 593-596.	0.6	25
41	Raman spectral change during electrochemical lithium-ion doping/dedoping for carbon nanofiber prepared by polymer blend spinning technique. Tanso, 2005, 2005, 283-285.	0.1	0
42	Influence of organics adsorption on electric double layer capacitance for activated carbon electrode. Tanso, 2004, 2004, 255-257.	0.1	5
43	Preparation of porous carbon by defluorination of PTFE and its application to electric double layer capacitor. Tanso, 2004, 2004, 285-294.	0.1	13
44	Mechanism of heterogeneous graphitization observed in phenolic resin-derived thin carbon fibers heated at 3000 Å°C. Carbon, 2004, 42, 667-669.	5.4	78
45	Pyrolytically prepared carbon from fluorineâ€GIC. Carbon, 2003, 41, 1149-1156.	5.4	10
46	Heterogeneous graphitization of thin carbon fiber derived from phenolâ€formaldehyde resin. Carbon, 2003, 41, 1654-1656.	5.4	31
47	Influence of pore structure and surface chemistry on electric double layer capacitance in non-aqueous electrolyte. Carbon, 2003, 41, 1765-1775.	5.4	414
48	Preparation and pore control of highly mesoporous carbon from defluorinated PTFE. Carbon, 2003, 41, 1759-1764.	5.4	77
49	Direct conversion mechanism of fluorineâ€GIC into poly(carbon monofluoride), (CF). Carbon, 2003, 41, 1971-1977.	5.4	22
50	Application of Thin Carbon Fibers Prepared by Polymer-Blend Technique for Lithium-Ion Battery Negative Electrode. Electrochemistry, 2003, 71, 1157-1159.	0.6	4
51	Electric Double Layer Capacitors. , 2003, , 447-457.		10
52	Electrochemical Behavior of Al Current Collector of Rechargeable Lithium Batteries in Propylene Carbonate with LiCF ₃ SO ₃ , Li(CF ₃ SO ₂) ₂ N, or Li(C ₄ F ₉ SO ₃) ₂ N. J. Electrochem. Soc., 2003, 150, 1088-1094.	0.1	10
53	Preparation and Characterization of Porous Carbons By Defluorination of Ptfе with Alkali Metals - Effect of Alkali Metals on the Porous Structure -. Molecular Crystals and Liquid Crystals, 2002, 388, 45-50.	0.4	10
54	Double Layer Capacitance Of Porous Carbons Derived From Defluorination Of Ptfе. Molecular Crystals and Liquid Crystals, 2002, 388, 129-135.	0.4	10

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73	Quartz Crystal Microbalance Study for Lithium Deposition and Dissolution in Nonaqueous Electrolyte with HF. <i>Electrochemistry</i> , 1999, 67, 1264-1267.	0.6	4
74	Electrochemical deposition of lithium metal in nonaqueous electrolyte containing (C ₂ H ₅) ₄ NF(HF) ₄ additive. <i>Journal of Fluorine Chemistry</i> , 1998, 87, 235-243.	0.9	35
75	The Observation of Electrochemical Dissolution of Lithium Metal Using Electrochemical Quartz Crystal Microbalance and in-Situ Tapping Mode Atomic Force Microscopy. <i>Langmuir</i> , 1998, 14, 7082-7086.	1.6	17
76	Dynamic Observation of Surface Reactions of Lithium Foils Immersed in Diethyl Carbonate Electrolytes by Using in situ FTIR Measurement. <i>Electrochemistry</i> , 1998, 66, 272-278.	0.3	1
77	Study on Dynamic Behavior of Diethyl Carbonate Electrolyte on Lithium Metal Surface Using In Situ FTIR Spectroscopy. <i>Chemistry Letters</i> , 1997, 26, 41-42.	0.7	1
78	Chemical Reaction of Lithium Surface during Immersion in LiClO ₄ or LiPF ₆ /DEC Electrolyte. <i>Journal of the Electrochemical Society</i> , 1997, 144, 1900-1906.	1.3	110
79	Study of the Surface Composition of Highly Smooth Lithium Deposited in Various Carbonate Electrolytes Containing HF. <i>Langmuir</i> , 1997, 13, 3542-3549.	1.6	90
80	XPS Analysis of the Surface of a Carbon Electrode Intercalated by Lithium Ions. <i>Chemistry of Materials</i> , 1997, 9, 1797-1804.	3.2	73
81	Membrane knobs of unfixed Babesia bovis-infected erythrocytes: new findings as revealed by atomic force microscopy and surface potential spectroscopy. <i>Parasitology International</i> , 1997, 46, 241-246.	0.6	9
82	Electrochemical Deposition of Very Smooth Lithium Using Nonaqueous Electrolytes Containing HF. <i>Journal of the Electrochemical Society</i> , 1996, 143, 2187-2197.	1.3	212
83	Membrane Knobs of Unfixed Plasmodium falciparum Infected Erythrocytes: New Findings as Revealed by Atomic Force Microscopy and Surface Potential Spectroscopy. <i>Experimental Parasitology</i> , 1996, 84, 339-343.	0.5	49
84	Studies on electrochemical oxidation of non-aqueous electrolyte on the LiCoO ₂ thin film electrode. <i>Journal of Electroanalytical Chemistry</i> , 1996, 419, 77-84.	1.9	89
85	Electrochemical Oxidation Processes on Ni Electrodes in Propylene Carbonate Containing Various Electrolyte Salts. <i>Journal of the Electrochemical Society</i> , 1996, 143, 2548-2558.	1.3	39
86	Morphology Control of Lithium Deposited in Nonaqueous Media. <i>Chemistry Letters</i> , 1995, 24, 209-210.	0.7	17
87	XPS analysis for the lithium surface immersed in γ -butyrolactone containing various salts. <i>Electrochimica Acta</i> , 1995, 40, 913-921.	2.6	90
88	Effect of surface modification using various acids on electrodeposition of lithium. <i>Journal of Applied Electrochemistry</i> , 1995, 25, 584-591.	1.5	49
89	Morphology and chemical compositions of surface films of lithium deposited on a Ni substrate in nonaqueous electrolytes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 394, 49-62.	1.9	145
90	Studies on Electrochemical Oxidation of Nonaqueous Electrolytes Using In Situ FTIR Spectroscopy: I. The Effect of Type of Electrode on Onset Potential for Electrochemical Oxidation of Propylene Carbonate Containing 1.0 mol dm ⁻³ . <i>Journal of the Electrochemical Society</i> , 1995, 142, 1383-1389.	1.3	71

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91	XPS Analysis of Lithium Surfaces Following Immersion in Various Solvents Containing LiBF ₄ . Journal of the Electrochemical Society, 1995, 142, 340-347.	1.3	233
92	Electrochemical Deposition of Uniform Lithium on an Ni Substrate in a Nonaqueous Electrolyte. Journal of the Electrochemical Society, 1994, 141, L108-L110.	1.3	95
93	X-ray Photoelectron Spectroscopic Analysis and Scanning Electron Microscopic Observation of the Lithium Surface Immersed in Nonaqueous Solvents. Journal of the Electrochemical Society, 1994, 141, 2379-2385.	1.3	121
94	XPS Analysis for Lithium Surface Immersed in Tetrahydrofuran Containing Various Salts. Electrochemistry, 1993, 61, 1377-1382.	0.3	7
95	Heat-Treatment and Nitrogen-Doping of Activated Carbons for High Voltage Operation of Electric Double Layer Capacitor. Key Engineering Materials, 0, 497, 80-86.	0.4	33