

Masahiro Toyoda

List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	2D porous carbon nanosheets constructed using few-layer graphene sheets by a "medium-up" strategy for ultrahigh power-output EDLCs. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10331-10339.	10.3	35
2	Control of crystalline structure of porous carbons. <i>RSC Advances</i> , 2014, 4, 41411-41424.	3.6	32
3	Frame-filling C/C composite for high-performance EDLCs with high withstanding voltage. <i>Carbon</i> , 2018, 131, 184-192.	10.3	29
4	TiO ₂ Nanoparticles with High Photocatalytic Activity Under Visible Light. <i>Catalysis Letters</i> , 2009, 128, 36-39.	2.6	23
5	Frame-filling structural nanoporous carbon from amphiphilic carbonaceous mixture comprising graphite oxide. <i>Carbon</i> , 2016, 108, 225-233.	10.3	18
6	Effect of some thermally unstable magnesium compounds on the yield of char formed from poly(ethylene terephthalate). <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 1147-1154.	3.6	16
7	Performance of Asymmetric Electric Double Layer Capacitors " Predominant Contribution of the Negative Electrode. <i>Adsorption Science and Technology</i> , 2008, 26, 491-500.	3.2	13
8	Material Processing of Bamboo for Use as a Gas Diffusion Layer in Proton Exchange Membrane Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1374-1380.	6.7	13
9	Highly Conductive Hierarchical C/C Composites to Eliminate Conductive Agent in EDLC Electrodes. <i>ChemElectroChem</i> , 2017, 4, 2793-2800.	3.4	12
10	Contributions of micropores and mesopores in electrode carbon to electric double layer capacitance. <i>Tanso</i> , 2009, 2009, 230-238.	0.1	11
11	Role of the Hydroxyl Groups Coordinated to TiO ₂ Surface on the Photocatalytic Decomposition of Ethylene at Different Ambient Conditions. <i>Catalysts</i> , 2022, 12, 386.	3.5	10
12	Evaluation of Layered Graphene Prepared via Hydroxylation of Potassium-Graphite Intercalation Compounds. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	2.7	7
13	Enhancing the effects of exfoliated carbon nanofibers using bone morphogenetic protein in a rat spinal fusion model. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2892-2900.	2.3	6
14	Evaluation of edges for carbon materials via temperature-programmed desorption and temperature-programmed oxidation. <i>Carbon Letters</i> , 2019, 29, 109-114.	5.9	6
15	EDLC Characteristics of Carbon Materials Prepared from Coal Extract. <i>Electrochemistry</i> , 2020, 88, 119-126.	1.4	6
16	MgO-templated mesoporous carbons using a pitch-based thermosetting carbon precursor. <i>RSC Advances</i> , 2016, 6, 100546-100553.	3.6	5
17	A Novel Durable Electrode Catalyst of Pt/Ketjen Black Decorated with SnO ₂ Nanoparticles for Polymer Electrolyte Fuel Cells. <i>Electrochemistry</i> , 2011, 79, 334-336.	1.4	4
18	Degradation of the Pt/C Electrode Catalyst Monitored by Identical Location Scanning Electron Microscopy during Potential Pulse Durability Tests in HClO ₄ Solution. <i>Electrochemistry</i> , 2015, 83, 12-17.	1.4	4

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19	Preparation of few-layer graphene by the decomposition of K-THF-GICs using the addition of various solvents. Tanso, 2017, 2017, 139-151.	0.1	3
20	Highly Conductive Hierarchical C/C Composites to Eliminate Conductive Agent in EDLC Electrodes. ChemElectroChem, 2017, 4, 2726-2726.	3.4	2
21	Synthesis of ternary graphite intercalation compounds from pitch-based carbon fibers and its exfoliation. Tanso, 2008, 2008, 131-135.	0.1	1
22	A primary study of the carbon oxidation and oxygen evolution reactions of several carbon materials in a KOH aqueous solution using a rotating ring disk electrode technique. Tanso, 2016, 2016, 101-106.	0.1	1
23	Analysis of structural changes in and gas evolution from carbon materials during TPD, TPR and TPO. Tanso, 2016, 2016, 125-131.	0.1	1
24	Correlation Between Calcination Temperature and Bifunctional Catalytic Activity for Oxygen Electrode Reaction of Bismuth Ruthenate Pyrochlore in KOH Solution. Electrocatalysis, 2018, 9, 146-152.	3.0	1
25	TiO ₂ /C Photocatalyst Prepared by Ethanol Vapour Treatment of TiO(OH) ₂ . Journal of Advanced Oxidation Technologies, 2006, 9, .	0.5	0
26	Preparation of TiO ₂ /C Photocatalyst by Ethanol Modification of Hydrolysed Titania TiO(OH) ₂ in a Pressure Reactor. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	0
27	Oxidation of vapor grown carbon fibers in a KOH aqueous solution. Tanso, 2017, 2017, 207-210.	0.1	0
28	Preparation of few-layered graphene using K-THF-GICs with the addition of alcohol. Tanso, 2021, 2021, 87-94.	0.1	0
29	Exfoliation of Graphite and its applications. Tanso, 2008, 2008, 157-165.	0.1	0
30	Preparation of carbon fibers from Hyper Coal solution and their surface characteristics. Tanso, 2020, 2020, 106-112.	0.1	0
31	Rapid preparation of nitrogen-doped carbon and its use in electrochemical capacitors. Tanso, 2020, 2020, 113-121.	0.1	0
32	EDLC Characteristics of Carbon Materials Prepared from Coal Extract (Vol. 88, No. 3, 119-126). Electrochemistry, 2020, 88, 475-475.	1.4	0