

Takuya Masuda

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1178755/publications.pdf>

Version: 2024-02-01

26
papers

467
citations

687363

13
h-index

794594

19
g-index

28
all docs

28
docs citations

28
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> x-ray photoelectron spectroscopy for electrochemical reactions in ordinary solvents. Applied Physics Letters, 2013, 103, .	3.3	89
2	Potential-Dependent Adsorption and Desorption of Perfluorosulfonated Ionomer on a Platinum Electrode Surface Probed by Electrochemical Quartz Crystal Microbalance and Atomic Force Microscopy. Journal of Physical Chemistry C, 2013, 117, 15704-15709.	3.1	48
3	Semiconductor-Based Photoelectrochemical Conversion of Carbon Dioxide: Stepping Towards Artificial Photosynthesis. Chemistry - an Asian Journal, 2018, 13, 127-142.	3.3	47
4	Design of Low Pt Concentration Electrocatalyst Surfaces with High Oxygen Reduction Reaction Activity Promoted by Formation of a Heterogeneous Interface between Pt and CeO ₂ Nanowire. ACS Applied Materials & Interfaces, 2016, 8, 9059-9070.	8.0	44
5	Potential-Dependent Adsorption/Desorption Behavior of Perfluorosulfonated Ionomer on a Gold Electrode Surface Studied by Cyclic Voltammetry, Electrochemical Quartz Microbalance, and Electrochemical Atomic Force Microscopy. Langmuir, 2013, 29, 2420-2426.	3.5	34
6	Formation and Structure of Perfluorosulfonated Ionomer Thin Film on a Graphite Surface. Chemistry Letters, 2009, 38, 884-885.	1.3	29
7	<i>In Situ</i> Observation of Lithiation and Delithiation Reactions of a Silicon Thin Film Electrode for All-Solid-State Lithium-Ion Batteries by X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 6649-6654.	4.6	29
8	Formation of Functionalized Nanowires by Control of Self-Assembly Using Multiple Modified Amyloid Peptides. Advanced Functional Materials, 2013, 23, 4881-4887.	14.9	24
9	Crystalline boron monosulfide nanosheets with tunable bandgaps. Journal of Materials Chemistry A, 2021, 9, 24631-24640.	10.3	21
10	<i>In situ</i> X-ray photoelectron spectroscopy using a conventional Al-K α source and an environmental cell for liquid samples and solid-liquid interfaces. Applied Physics Letters, 2019, 114, .	3.3	16
11	Surface State Change of Lithium Metal Anode in Full Cell during Long Term Cycles. Electrochemistry, 2019, 87, 84-88.	1.4	15
12	Nanosized and metastable molybdenum oxides as negative electrode materials for durable high-energy aqueous Li-ion batteries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
13	Reactions of the Li ₂ MnO ₃ Cathode in an All-Solid-State Thin-Film Battery during Cycling. ACS Applied Materials & Interfaces, 2021, 13, 7650-7663.	8.0	13
14	Quantitative cross-sectional mapping of nanomechanical properties of composite films for lithium ion batteries using bimodal mode atomic force microscopy. Journal of Power Sources, 2019, 413, 29-33.	7.8	11
15	Various spectroelectrochemical cells for in situ observation of electrochemical processes at solid-liquid interfaces. Topics in Catalysis, 2018, 61, 2103-2113.	2.8	10
16	Solvent-Dependent Adsorption of Perfluorosulfonated Ionomers on a Pt(111) Surface Using Atomic Force Microscopy. Langmuir, 2020, 36, 13793-13798.	3.5	7
17	Nanostructural Study of Silicon-Cobalt/Nitrogen-Doped Reduced Graphene Oxide Composites by Electron Microscopy for Using as Anode Material in Lithium-Ion Batteries. Solid State Phenomena, 0, 283, 37-45.	0.3	4
18	Instrumentation for tracking electrochemical reactions by x-ray photoelectron spectroscopy under conventional vacuum conditions. Journal of Physics Communications, 2021, 5, 015001.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Preparation and Characterization of Rice Husks-Derived Silicon-Tin/Nitrogen-Doped Reduced Graphene Oxide Nanocomposites as Anode Materials for Lithium-Ion Batteries. <i>Solid State Phenomena</i> , 2018, 283, 46-54.	0.3	2
20	Self-Assembly: Formation of Functionalized Nanowires by Control of Self-Assembly Using Multiple Modified Amyloid Peptides (<i>Adv. Funct. Mater.</i> 39/2013). <i>Advanced Functional Materials</i> , 2013, 23, 4880-4880.	14.9	0
21	Change in Surface Chemistry of Magnesium by Alkylbromide Immersion Pretreatment. <i>Electrochemistry</i> , 2018, 86, 226-228.	1.4	0
22	Back to the Arizona. <i>Hyomen Kagaku</i> , 2017, 38, 44-45.	0.0	0
23	X-ray Photoelectron Spectroscopy for Solution Species Using a Laboratory Apparatus. <i>Vacuum and Surface Science</i> , 2019, 62, 564-567.	0.1	0
24	Annual Meeting of JVSS 2019 at Tsukuba. <i>Vacuum and Surface Science</i> , 2020, 63, 329-329.	0.1	0
25	SR Applications for Fuel Cell Electrodes. <i>Synchrotron Radiation News</i> , 2020, 33, 27-33.	0.8	0
26	Lithiation/delithiation of a Silicon Thin Film Electrode for All-Solid-State Batteries Using Operando X-ray Photoelectron Spectroscopy Apparatus. <i>Vacuum and Surface Science</i> , 2021, 64, 552-555.	0.1	0