Masakazu Haruta

List of Publications by Year
in descending order

44 papers	732 citations	623734 14 h-index	552781 26 g-index
44 all docs	44 docs citations	44 times ranked	1121 citing authors

#	Article	IF	Citations
1	Perfluoroinated Ionomer as an Artificial SEI for Silicon Nano-Flake Anode in LiTFSI/Tetraglyme Solvate Ionic Liquid. Journal of the Electrochemical Society, 2022, 169, 020519.	2.9	3
2	Silicon LeafPowderÂ® Anode. , 2021, , 323-332.		0
3	Lithium-ion battery performance enhanced by the combination of Si thin flake anodes and binary ionic liquid systems. Materials Advances, 2020, 1, 625-631.	5.4	9
4	Dilution Effects of Highly Concentrated LiBF₄/DMC with Fluorinated Esters on Charge/Dishcharge Properties of Ni-rich LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Positive Electrode. Journal of the Electrochemical Society, 2020, 167, 040508.	2.9	2
5	Improvement of Cycleability and Rateâ€Capability of LiNi 0.5 Co 0.2 Mn 0.3 O 2 Cathode Materials Coated with Lithium Boron Oxide by an Antisolvent Precipitation Method. ChemistrySelect, 2019, 4, 8676-8681.	1.5	14
6	Extension of Anodic Potential Window of Ester-Based Electrolyte Solutions for High-Voltage Lithium Ion Batteries. ACS Applied Energy Materials, 2019, 2, 7728-7732.	5.1	8
7	Effect of Lithium Silicate Addition on the Microstructure and Crack Formation of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode Particles. ACS Applied Materials & Interfaces, 2019, 11, 39910-39920.	8.0	23
8	Oxygen-Content Dependence of Cycle Performance and Morphology Changes in Amorphous-SiO<i>_x</i> Thin-Film Negative Electrodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A258-A263.	2.9	19
9	Communicationâ€”Enhancement of Structural Stability of LiNi0.5Co0.2Mn0.3O2 Cathode Particles against High-Voltage Cycling by Lithium Silicate Addition. Journal of the Electrochemical Society, 2019, 166, A941-A943.	2.9	5
10	Dilution Effects of Highly Concentrated Dimethyl Carbonate-Based Electrolytes with a Hydrofluoroether on Charge/Discharge Properties of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Positive Electrode. Journal of the Electrochemical Society, 2019, 166, A4005-A4013.	2.9	10
11	Fluoroalkyl ether-diluted dimethyl carbonate-based electrolyte solutions for high-voltage operation of LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ electrodes in lithium ion batteries. Sustainable Energy and Fuels, 2018, 2, 1197-1205.	4.9	22
12	Morphology changes and long-term cycling durability of Si flake powder negative electrode for lithium-ion batteries. Electrochimica Acta, 2018, 267, 94-101.	5.2	22
13	Artificial lithium fluoride surface coating on silicon negative electrodes for the inhibition of electrolyte decomposition in lithium-ion batteries: visualization of a solid electrolyte interphase using <i>in situ</i> AFM. Nanoscale, 2018, 10, 17257-17264.	5.6	35
14	Pre-Film Formation and Cycle Performance of Silicon-Flake-Powder Negative Electrode in a Solvate Ionic Liquid for Silicon-Sulfur Rechargeable Batteries. Journal of the Electrochemical Society, 2018, 165, A1874-A1879.	2.9	4
15	Temperature effects on SEI formation and cyclability of Si nanoflake powder anode in the presence of SEI-forming additives. Electrochimica Acta, 2017, 224, 186-193.	5.2	68
16	Adsorbed Water on Nano-Silicon Powder and Its Effects on Charge and Discharge Characteristics as Anode in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A6084-A6087.	2.9	14
17	Silicon Nano-flake Powder as an Anode for The Next Generation Lithium-ion Batteries: Current Status and Challenges. Electrochemistry, 2017, 85, 623-629.	1.4	14
18	High Rate Charge and Discharge Characteristics of Graphite/SiO<i>_x</i> Composite Electrodes. Electrochemistry, 2017, 85, 403-408.	1.4	5

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19	In situ Scanning Electron Microscopy of Silicon Anode Reactions in Lithium-Ion Batteries during Charge/Discharge Processes. Scientific Reports, 2016, 6, 36153.	3.3	65
20	Si/Li₂S Battery with Solvate Ionic Liquid Electrolyte. Electrochemistry, 2016, 84, 887-890.	1.4	27
21	Orientation control of LiCoO2 epitaxial thin films on metal substrates. Thin Solid Films, 2016, 600, 175-178.	1.8	13
22	Preparation and in-situ characterization of well-defined solid electrolyte/electrode interfaces in thin-film lithium batteries. Solid State Ionics, 2016, 285, 118-121.	2.7	47
23	Cycle Performances of Si-flake-powder Anodes in Lithium Salt-tetraglyme Complex Electrolytes. Electrochemistry, 2015, 83, 837-839.	1.4	15
24	Li Pre-doping of Amorphous Silicon Electrode in Li-Naphthalene Complex Solutions. Electrochemistry, 2015, 83, 843-845.	1.4	27
25	Preparation and Charge/Discharge Characteristics of Carbon-modified Ramsdellite TiO₂ as a High Potential Anode. Electrochemistry, 2015, 83, 867-869.	1.4	1
26	Evidence for enhancement of vortex matching field above 5â€‰T and oxygen-deficient annuli around barium-niobate nanorods. Journal of Applied Physics, 2015, 118, 133907.	2.5	4
27	Negligible â€œNegative Space-Charge Layer Effectsâ€•at Oxide-Electrolyte/Electrode Interfaces of Thin-Film Batteries. Nano Letters, 2015, 15, 1498-1502.	9.1	119
28	Behavior of Yâ€Based Highâ€Criticalâ€Temperature Superconductors in Modulated Rotating Magnetic Fields. Electronics and Communications in Japan, 2014, 97, 10-18.	0.5	0
29	Fabrication of all-solid-state battery using epitaxial LiCoO2 thin films. Journal of Power Sources, 2014, 267, 881-887.	7.8	65
30	Relationship between vortex pinning properties and microstructure in Baâ€“Nbâ€“O-doped YBa2Cu3Oy and ErBa2Cu3Oy films. Physica C: Superconductivity and Its Applications, 2013, 494, 158-162.	1.2	3
31	Relationship between grain size and the degrees of orientation in a twinned ErBa2Cu3Oy superconductor oriented in modulated rotating magnetic fields. Materials Research Society Symposia Proceedings, 2013, 1434, 69.	0.1	0
32	Magnetic tri-axial grain alignment in misfit-layered bismuth-based cobaltites. Journal of Applied Physics, 2012, 112, 043913.	2.5	2
33	Influence of Deposition Temperature on Critical Current Properties for Nd:YAG-PLD-YBa2Cu3Oy Thin Films with Nanorods. Physics Procedia, 2012, 36, 1576-1581.	1.2	2
34	Fabrication and critical current properties in Nd:YAG-PLD REBa2Cu3Oy (RE=Y and Er) thin films. Physics Procedia, 2012, 27, 220-223.	1.2	0
35	Growth-Temperature-Independent Nanostructure in (Y$_{1-x}$Er$_{x}$)Ba$_{2}$Cu$_{3}$O$_{y}$ Films with Baâ€“Nbâ€“O Nanorods. Applied Physics Express, 2012, 5, 073102.	2.4	4
36	Rare-Earth-Dependent Tri-axial Magnetic Anisotropies and Growth Conditions in REBa₂Cu₄O₈. Japanese Journal of Applied Physics, 2012, 51, 010107.	1.5	25

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37	Rare-Earth-Dependent Tri-axial Magnetic Anisotropies and Growth Conditions in REBa₂Cu₄O₈. Japanese Journal of Applied Physics, 2012, 51, 010107.	1.5	7
38	Behaviors of Y-based High-critical-temperature Superconductor in Modulated Rotating Magnetic Fields. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 397-403.	0.2	3
39	Large grain growth by annealing of Ag-covered Bi₂Sr₂CaCu₂O_{8 + Î´}thin films and its application in the fabrication of intrinsic Josephson junctions. Superconductor Science and Technology, 2010, 23, 115006.	3.5	7
40	Fabrication of thin-film-type Bi2Sr2CaCu2O8+Î´intrinsic Josephson junctions by pulsed-laser-deposition. Superconductor Science and Technology, 2009, 22, 125004.	3.5	10
41	Angular Dependence of Electric Field vs. Current Density Characteristics in YBa2Cu3Oy Superconductlng Thin Film with Columnar Defects. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	0
42	The Eâ€“J characteristics of MgB2 thin film prepared by electron beam evaporation method. Physica C: Superconductivity and Its Applications, 2005, 426-431, 174-178.	1.2	2
43	Angular Dependence of Pinning Properties of MgB2 Thin Films Prepared by an Electron-beam Evaporation Method. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2005, 40, 473-478.	0.1	2
44	Influence of columnar defects on pinning parameters in high-Tc superconductors. Physica C: Superconductivity and Its Applications, 2004, 412-414, 511-514.	1.2	5