Takashi Tsuda

List of Publications by Year
in descending order

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18	258	933447 10	940533 16
papers	citations	h-index	g-index

18	18	18	277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Improved High-rate Discharging Performance of â€œUnbalancedâ€•LiFePO₄ Cathodes with Different LiFePO₄ Loadings by a Grid-patterned Micrometer Size-holed Electrode Structuring. Electrochemistry, 2019, 87, 370-378.	1.4	10
2	An improved pre-lithiation of graphite anodes using through-holed cathode and anode electrodes in a laminated lithium ion battery. Electrochimica Acta, 2019, 324, 134848.	5.2	25
3	Improvement of high-rate discharging performance of LiFePO4 cathodes by forming micrometer-sized through-holed electrode structures with a pico-second pulsed laser. Electrochimica Acta, 2019, 296, 27-38.	5.2	29
4	Optimization of synthesis condition of water-resistant and thin titanium oxide layer-coated Ni-rich layered cathode materials and their cathode performance. Journal of Applied Electrochemistry, 2019, 49, 99-110.	2.9	10
5	Improvement of high-rate performance of LiFePO4 cathode with through-holed LiFePO4/Activated carbon hybrid electrode structure fabricated with a pico-second pulsed laser. Electrochimica Acta, 2019, 298, 827-834.	5.2	14
6	Optimization of calcination temperature in preparation of a high capacity Li-rich solid-solution Li[Li0.2Ni0.18Co0.03Mn0.58]O2 material and its cathode performance in lithium ion battery. Electrochimica Acta, 2018, 269, 321-330.	5.2	15
7	Relationship between Hole Design on Anode Electrode, the Reaction Temperature and the Rate of Li⁺ Ion Pre-doping Reaction to Porous Laminated Graphite Anodes. Electrochemistry, 2018, 86, 10-18.	1.4	7
8	Improvement of high-rate charging/discharging performance of a lithium ion battery composed of laminated LiFePO4 cathodes/ graphite anodes having porous electrode structures fabricated with a pico-second pulsed laser. Electrochimica Acta, 2018, 291, 267-277.	5.2	33
9	Elucidation of key factors of water-resistance of Li-rich solid-solution layered oxide cathode materials applicable to a water-based cathode preparation process for Li-ion battery. Electrochimica Acta, 2018, 283, 478-487.	5.2	4
10	Study on Li Metal Deposition, SEI Formation on Anodes and Cathode Potential Change during the Pre-Lithiation Process in a Cell Prepared with Laminated Porous Anodes and Cathodes. ECS Transactions, 2018, 85, 1507-1515.	0.5	9
11	Dependences of Discharge Capacity, Retention of Discharge Capacity, Average Discharge Voltage and Energy Density, and Rate Capability on the Composition ofxLi2MnO3-yLiNi1/2Mn1/2O2-(1-x-y)LiNi1/3Co1/3Mn1/3O2Li-rich Solid-Solution Cathode Materials for Li-Ion Battery. ECS Transactions, 2017, 75, 173-187.	0.5	3
12	Preparation of Water-Resistant Surface Coated High-Voltage LiNi0.5Mn1.5O4 Cathode and Its Cathode Performance to Apply a Water-Based Hybrid Polymer Binder to Li-Ion Batteries. Electrochimica Acta, 2017, 224, 429-438.	5.2	28
13	Fabrication of Porous Graphite Anodes with Pico-Second Pulse Laser and Enhancement of Pre-Doping of Li ⁺ Ions to Laminated Graphite Anodes with Micrometre-Sized Holes Formed on the Porous Graphite Anodes. ECS Transactions, 2017, 77, 1897-1903.	0.5	18
14	Fabrication of Porous Electrodes with a Picosecond Pulsed Laser and Improvement of the Rate Performance of a Porous Graphite Anode and LiFePO₄Cathode. ECS Transactions, 2017, 80, 1391-1397.	0.5	5
15	Improvement of Rate Performance of LiFePO₄ Cathode with Porous LiFePO₄/Activated Carbon Hybrid Electrode Structure. Electrochemistry, 2017, 85, 447-450.	1.4	6
16	Relationship between Pore Design on Current Collectors, the Reaction Temperature and the Rate of Li⁺ Ion Pre-doping Reaction to Laminated Graphite/Porous Current Collector Anodes. Electrochemistry, 2017, 85, 186-194.	1.4	9
17	Long-term, stable, and improved oxygen-reduction performance of titania-supported PtPb nanoparticles. Catalysis Science and Technology, 2014, 4, 1436-1445.	4.1	25
18	Visible light induced decomposition of organic compounds on WO3 loaded PtPb co-catalysts. Catalysis Communications, 2014, 56, 96-100.	3.3	8