# Takashi Tsuda

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11561224/publications.pdf

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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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Long-term, stable, and improved oxygen-reduction performance of titania-supported PtPb nanoparticles. Catalysis Science and Technology, 2014, 4, 1436-1445. | 4.1 | 25 |
| 5 | 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 |
| 6 | Fabrication of Porous Graphite Anodes with Pico-Second Pulse Laser and Enhancement of Pre-Doping of Li <sup>+</sup> Ions to Laminated Graphite Anodes with Micrometre-Sized Holes Formed on the Porous Graphite Anodes. ECS Transactions, 2017, 77, 1897-1903. | 0.5 | 18 |
| 7 | 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 |
| 8 | 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 |
| 9 | An Improved High-rate Discharging Performance of â€œUnbalancedâ€•LiFePO<sub>4</sub> Cathodes with Different LiFePO<sub>4</sub> Loadings by a Grid-patterned Micrometer Size-holed Electrode Structuring. Electrochemistry, 2019, 87, 370-378. | 1.4 | 10 |
| 10 | 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 |
| 11 | Relationship between Pore Design on Current Collectors, the Reaction Temperature and the Rate of Li<sup>+</sup> Ion Pre-doping Reaction to Laminated Graphite/Porous Current Collector Anodes. Electrochemistry, 2017, 85, 186-194. | 1.4 | 9 |
| 12 | 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 |
| 13 | Visible light induced decomposition of organic compounds on WO3 loaded PtPb co-catalysts. Catalysis Communications, 2014, 56, 96-100. | 3.3 | 8 |
| 14 | Relationship between Hole Design on Anode Electrode, the Reaction Temperature and the Rate of Li<sup>+</sup> Ion Pre-doping Reaction to Porous Laminated Graphite Anodes. Electrochemistry, 2018, 86, 10-18. | 1.4 | 7 |
| 15 | Improvement of Rate Performance of LiFePO<sub>4</sub> Cathode with Porous LiFePO<sub>4</sub>/Activated Carbon Hybrid Electrode Structure. Electrochemistry, 2017, 85, 447-450. | 1.4 | 6 |
| 16 | Fabrication of Porous Electrodes with a Picosecond Pulsed Laser and Improvement of the Rate Performance of a Porous Graphite Anode and LiFePO<sub>4</sub>Cathode. ECS Transactions, 2017, 80, 1391-1397. | 0.5 | 5 |
| 17 | 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 |
| 18 | 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 |