

# Satoshi Uchida

## List of Publications by Year in descending order

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26  
papers

379  
citations

759233

12  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

613  
citing authors

#	ARTICLE	IF	CITATIONS
1	How does the solvent composition influence the transport properties of electrolyte solutions? LiPF <sub>6</sub> and LiFSA in EC and DMC binary solvent. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10875-10887.	2.8	17
2	Transport Properties of Electrolyte Solution Comprising LiPF <sub>6</sub> , Ethylene Carbonate, and Propylene Carbonate. <i>Electrochemistry</i> , 2021, 89, 439-446.	1.4	5
3	What differentiates the transport properties of lithium electrolyte in ethylene carbonate mixed with diethylcarbonate from those mixed with dimethylcarbonate?. <i>Journal of Power Sources</i> , 2021, 511, 230423.	7.8	13
4	Preparation and Electrochemical Performance of Chitosan-based Gel Polymer Electrolyte Containing Ionic Liquid for Non-aqueous Electric Double Layer Capacitor. <i>Electrochemistry</i> , 2020, 88, 132-138.	1.4	3
5	Effect of hydrogen-gas treatment on the local structure of graphene-like graphite. <i>Carbon</i> , 2020, 163, 162-168.	10.3	9
6	A Potential Cathode Material for Rechargeable Potassium-Ion Batteries Inducing Manganese Cation and Oxygen Anion Redox Chemistry: Potassium-Deficient K <sub>0.4</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> . <i>Energy Technology</i> , 2020, 8, 2070064.	3.8	0
7	Impact of lithium-ion coordination in carbonate-based electrolyte on lithium-ion intercalation kinetics into graphite electrode. <i>Electrochemistry Communications</i> , 2020, 114, 106705.	4.7	5
8	Graphene-Like Graphite Negative Electrode Rapidly Chargeable at Constant Voltage. <i>Journal of the Electrochemical Society</i> , 2020, 167, 110518.	2.9	5
9	Electric Double-Layer Capacitors Based on Non-Aqueous Electrolytes: A Comparative Study of Potassium and Quaternary Ammonium Salts. <i>Batteries and Supercaps</i> , 2020, 3, 392-396.	4.7	2
10	A Potential Cathode Material for Rechargeable Potassium-Ion Batteries Inducing Manganese Cation and Oxygen Anion Redox Chemistry: Potassium-Deficient K <sub>0.4</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> . <i>Energy Technology</i> , 2020, 8, 2000039.	3.8	8
11	Effects of Pre-Lithiation on the Electrochemical Properties of Graphene-Like Graphite. <i>Electrochemistry</i> , 2019, 87, 260-264.	1.4	11
12	Preparation and Characterization of Electrospun Gelatin Nanofibers for Use as Nonaqueous Electrolyte in Electric Double-Layer Capacitor. <i>Journal of Nanotechnology</i> , 2019, 2019, 1-11.	3.4	27
13	Preparation of thin-film electrolyte from chitosan-containing ionic liquid for application to electric double-layer capacitors. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 1274-1280.	7.5	22
14	Preparation and characterization of gel electrolyte with bacterial cellulose coated with alternating layers of chitosan and alginate for electric double-layer capacitors. <i>Research on Chemical Intermediates</i> , 2018, 44, 4971-4987.	2.7	18
15	A New Prospect for Stabilization of Graphite Electrode/Electrolyte Interface in Bis(fluorosulfonyl)imide Anion-based Ionic Liquid Electrolyte. <i>Electrochemistry</i> , 2018, 86, 29-31.	1.4	8
16	High-performance lithium-ion capacitor composed of electrodes with porous three-dimensional current collector and bis(fluorosulfonyl)imide-based ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2018, 276, 125-133.	5.2	14
17	In situ electron microscopy and X-ray photoelectron spectroscopy for high capacity anodes in next-generation ionic liquid-based Li batteries. <i>Electrochimica Acta</i> , 2018, 279, 136-142.	5.2	20
18	Visualization of Si Anode Reactions in Coin-Type Cells via Operando Scanning Electron Microscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35511-35515.	8.0	26

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19	Preparation of Micropore-rich High Surface Area Activated Carbon from N-doped Carbon Precursor and its Application to Positive Electrode in Lithium-sulfur Battery. <i>Electrochemistry</i> , 2017, 85, 650-655.	1.4	10
20	Performance Enhancement of Rechargeable Sulfur Cathode Utilizing Microporous Activated Carbon Composite. <i>Electrochemistry</i> , 2017, 85, 671-674.	1.4	7
21	Lithium bis(fluorosulfonyl)imide based low ethylene carbonate content electrolyte with unusual solvation state. <i>Journal of Power Sources</i> , 2017, 359, 480-486.	7.8	34
22	Effect of Electrolyte Additives on Non-Nano-Si Negative Electrodes Prepared with Polyimide Binder. <i>Journal of the Electrochemical Society</i> , 2015, 162, A406-A412.	2.9	28
23	Electrochemical properties of non-nano-silicon negative electrodes prepared with a polyimide binder. <i>Journal of Power Sources</i> , 2015, 273, 118-122.	7.8	62
24	Optimized condition of high-frequency induction heating for LiFePO <sub>4</sub> with ideal crystal structure. <i>Journal of Power Sources</i> , 2013, 243, 617-621.	7.8	7
25	Novel rapid synthesis method of LiFePO <sub>4</sub> /C cathode material by high-frequency induction heating. <i>Journal of Power Sources</i> , 2013, 243, 481-487.	7.8	16
26	Improvement of Synthesis Method for LiFePO <sub>4</sub> /C Cathode Material by High-Frequency Induction Heating. <i>Electrochemistry</i> , 2012, 80, 825-828.	1.4	2