

Pattarachai Srimuk

List of Publications by Year in descending order

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32
papers

2,476
citations

218662

26
h-index

414395

32
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all docs

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docs citations

32
times ranked

2066
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimony alloying electrode for high-performance sodium removal: how to use a battery material not stable in aqueous media for saline water remediation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 585-596.	10.3	11
2	Titanium Niobium Oxide $Ti_{2}Nb_{10}O_{29}$ /Carbon Hybrid Electrodes Derived by Mechanochemically Synthesized Carbide for High-Performance Lithium-Ion Batteries. <i>ChemSusChem</i> , 2021, 14, 398-407.	6.8	15
3	Hybrid Anodes of Lithium Titanium Oxide and Carbon Onions for Lithium-Ion and Sodium-Ion Energy Storage. <i>Energy Technology</i> , 2020, 8, 2000679.	3.8	3
4	MXene/Activated-Carbon Hybrid Capacitive Deionization for Permselective Ion Removal at Low and High Salinity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26013-26025.	8.0	91
5	High-performance ion removal via zinc-air desalination. <i>Electrochemistry Communications</i> , 2020, 115, 106713.	4.7	30
6	Self-Sustained Visible-Light-Driven Electrochemical Redox Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32788-32796.	8.0	35
7	Polymer ion-exchange membranes for capacitive deionization of aqueous media with low and high salt concentration. <i>Desalination</i> , 2020, 479, 114331.	8.2	54
8	Charge-transfer materials for electrochemical water desalination, ion separation and the recovery of elements. <i>Nature Reviews Materials</i> , 2020, 5, 517-538.	48.7	360
9	Dual-Zinc Electrode Electrochemical Desalination. <i>ChemSusChem</i> , 2020, 13, 2792-2798.	6.8	26
10	Sodium ion removal by hydrated vanadyl phosphate for electrochemical water desalination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4175-4184.	10.3	46
11	Low voltage operation of a silver/silver chloride battery with high desalination capacity in seawater. <i>RSC Advances</i> , 2019, 9, 14849-14858.	3.6	64
12	High Electrochemical Seawater Desalination Performance Enabled by an Iodide Redox Electrolyte Paired with a Sodium Superionic Conductor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10132-10142.	6.7	32
13	Effect of Pore Size on the Ion Electrosorption and Hydrogen/Deuterium Electrosorption Using Sodium Chloride in $H_{2}O$ and $D_{2}O$. <i>Journal of the Electrochemical Society</i> , 2019, 166, A4158-A4167.	2.9	8
14	Vanadium (III) Oxide/Carbon Core/Shell Hybrids as an Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 74-82.	4.7	10
15	Redox-electrolytes for non-flow electrochemical energy storage: A critical review and best practice. <i>Progress in Materials Science</i> , 2019, 101, 46-89.	32.8	111
16	Two-Dimensional Molybdenum Carbide (MXene) with Divacancy Ordering for Brackish and Seawater Desalination via Cation and Anion Intercalation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3739-3747.	6.7	183
17	Electrodeposition of hydrated vanadium pentoxide on nanoporous carbon cloth for hybrid energy storage. <i>Sustainable Energy and Fuels</i> , 2018, 2, 577-588.	4.9	30
18	Potential-Dependent, Switchable Ion Selectivity in Aqueous Media Using Titanium Disulfide. <i>ChemSusChem</i> , 2018, 11, 2091-2100.	6.8	33

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19	Charge and Potential Balancing for Optimized Capacitive Deionization Using Lignin-Derived, Low-Cost Activated Carbon Electrodes. <i>ChemSusChem</i> , 2018, 11, 2101-2113.	6.8	68
20	Carbon onion/sulfur hybrid cathodes via inverse vulcanization for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 133-146.	4.9	36
21	Semi-continuous capacitive deionization using multi-channel flow stream and ion exchange membranes. <i>Desalination</i> , 2018, 425, 104-110.	8.2	51
22	In Situ Tracking of Partial Sodium Desolvation of Materials with Capacitive, Pseudocapacitive, and Battery-like Charge/Discharge Behavior in Aqueous Electrolytes. <i>Langmuir</i> , 2018, 34, 13132-13143.	3.5	20
23	Confined Redox Reactions of Iodide in Carbon Nanopores for Fast and Energy-Efficient Desalination of Brackish Water and Seawater. <i>ChemSusChem</i> , 2018, 11, 3460-3472.	6.8	46
24	Enhanced desalination via cell voltage extension of membrane capacitive deionization using an aqueous/organic bi-electrolyte. <i>Desalination</i> , 2018, 443, 56-61.	8.2	39
25	Hydrogen-treated, sub-micrometer carbon beads for fast capacitive deionization with high performance stability. <i>Carbon</i> , 2017, 117, 46-54.	10.3	50
26	Nanoconfinement of redox reactions enables rapid zinc iodide energy storage with high efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12520-12527.	10.3	80
27	Concentration-Gradient Multichannel Flow-Stream Membrane Capacitive Deionization Cell for High Desalination Capacity of Carbon Electrodes. <i>ChemSusChem</i> , 2017, 10, 4914-4920.	6.8	69
28	Pseudocapacitive Desalination of Brackish Water and Seawater with Vanadium-Pentoxide-Decorated Multiwalled Carbon Nanotubes. <i>ChemSusChem</i> , 2017, 10, 3611-3623.	6.8	89
29	Titanium Disulfide: A Promising Low-Dimensional Electrode Material for Sodium Ion Intercalation for Seawater Desalination. <i>Chemistry of Materials</i> , 2017, 29, 9964-9973.	6.7	112
30	Influence of pore structure and cell voltage of activated carbon cloth as a versatile electrode material for capacitive deionization. <i>Carbon</i> , 2017, 122, 329-335.	10.3	149
31	Faradaic deionization of brackish and sea water via pseudocapacitive cation and anion intercalation into few-layered molybdenum disulfide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15640-15649.	10.3	167
32	MXene as a novel intercalation-type pseudocapacitive cathode and anode for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18265-18271.	10.3	358