

# Parameswara Rao Chinnam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/219369/publications.pdf>

Version: 2024-02-01

23  
papers

685  
citations

623734

14  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unlocking Failure Mechanisms and Improvement of Practical Li <sup>+</sup> S Pouch Cells through In Operando Pressure Study. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	12
2	Unlocking Failure Mechanisms and Improvement of Practical Li <sup>+</sup> S Pouch Cells through In Operando Pressure Study ( <i>Adv. Energy Mater.</i> 7/2022). <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	2
3	A Comprehensive Understanding of the Aging Effects of Extreme Fast Charging on High Ni NMC Cathode. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	32
4	Carbon-Binder Weight Loading Optimization for Improved Lithium-Ion Battery Rate Capability. <i>Journal of the Electrochemical Society</i> , 2022, 169, 070519.	2.9	7
5	A Review of Existing and Emerging Methods for Lithium Detection and Characterization in Li <sup>+</sup> Ion and Li <sup>+</sup> Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100372.	19.5	114
6	Fast-Charging Aging Considerations: Incorporation and Alignment of Cell Design and Material Degradation Pathways. <i>ACS Applied Energy Materials</i> , 2021, 4, 9133-9143.	5.1	21
7	Extended cycle life implications of fast charging for lithium-ion battery cathode. <i>Energy Storage Materials</i> , 2021, 41, 656-666.	18.0	50
8	Gel Electrolyte Comprising Solvate Ionic Liquid and Methyl Cellulose. <i>ACS Applied Energy Materials</i> , 2020, 3, 279-289.	5.1	22
9	Effect of Artificial SEI Content on Lithium Metal Anode Morphology and Performance. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 151-151.	0.0	0
10	An alternative route to single ion conductivity using multi-ionic salts. <i>Materials Horizons</i> , 2018, 5, 461-473.	12.2	24
11	Unravelling the structural and dynamical complexity of the equilibrium liquid grain-binding layer in highly conductive organic crystalline electrolytes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4394-4404.	10.3	6
12	Systematic Doping of Cobalt into Layered Manganese Oxide Sheets Substantially Enhances Water Oxidation Catalysis. <i>Inorganic Chemistry</i> , 2018, 57, 557-564.	4.0	43
13	Crystal structure and ionic conductivity of the soft solid crystal: isoquinoline3 <sup>+</sup> (LiCl) <sub>2</sub> . <i>Ionics</i> , 2018, 24, 343-349.	2.4	5
14	Engineered Interfaces in Hybrid Ceramic <sup>+</sup> Polymer Electrolytes for Use in All-Solid-State Li Batteries. <i>ACS Energy Letters</i> , 2017, 2, 134-138.	17.4	75
15	Highly Durable, Self-Standing Solid-State Supercapacitor Based on an Ionic Liquid-Rich Ionogel and Porous Carbon Nanofiber Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33749-33757.	8.0	55
16	A Self <sup>+</sup> Binding, Melt <sup>+</sup> Castable, Crystalline Organic Electrolyte for Sodium Ion Conduction. <i>Angewandte Chemie</i> , 2016, 128, 15480-15483.	2.0	6
17	Multi-ionic lithium salts increase lithium ion transference numbers in ionic liquid gel separators. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14380-14391.	10.3	15
18	A Self <sup>+</sup> Binding, Melt <sup>+</sup> Castable, Crystalline Organic Electrolyte for Sodium Ion Conduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15254-15257.	13.8	21

#	ARTICLE	IF	CITATIONS
19	Lamellar, micro-phase separated blends of methyl cellulose and dendritic polyethylene glycol, POSS-PEG. Carbohydrate Polymers, 2016, 136, 19-29.	10.2	12
20	Bulk-Phase Ion Conduction in Cocrystalline LiCl $\cdot$ N-Dimethylformamide: A New Paradigm for Solid Electrolytes Based upon the Pearson Hard $\hat{=}$ Soft Acid $\hat{=}$ Base Concept. Chemistry of Materials, 2015, 27, 5479-5482.	6.7	19
21	The polyoctahedral silsesquioxane (POSS) 1,3,5,7,9,11,13,15-octaphenylpentacyclo[9.5.1.1 <sup>3,9</sup> .1 <sup>5,15</sup> .1 <sup>7,13</sup> ]octasiloxane (octaphenyl-POSS). Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 971-974.	0.8	8
22	Self-assembled Janus-like multi-ionic lithium salts form nano-structured solid polymer electrolytes with high ionic conductivity and Li <sup>+</sup> ion transference number. Journal of Materials Chemistry A, 2013, 1, 1731-1739.	10.3	54
23	Polyoctahedral Silsesquioxane-Nanoparticle Electrolytes for Lithium Batteries: POSS-Lithium Salts and POSS-PEGs. Chemistry of Materials, 2011, 23, 5111-5121.	6.7	82