

Xabier Judez

List of Publications by Year in descending order

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28
papers

2,615
citations

331259

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525886

27
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docs citations

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times ranked

2630
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrolyte Additives for Lithium Metal Anodes and Rechargeable Lithium Metal Batteries: Progress and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15002-15027.	7.2	551
2	Ultrahigh Performance All Solid-State Lithium Sulfur Batteries: Salt Anion TM s Chemistry-Induced Anomalous Synergistic Effect. <i>Journal of the American Chemical Society</i> , 2018, 140, 9921-9933.	6.6	249
3	Lithium Azide as an Electrolyte Additive for All-Solid-State Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15368-15372.	7.2	213
4	Production of high-energy Li-ion batteries comprising silicon-containing anodes and insertion-type cathodes. <i>Nature Communications</i> , 2021, 12, 5459.	5.8	190
5	Lithium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolyte for All Solid-State Li-S Cell. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1956-1960.	2.1	166
6	Opportunities for Rechargeable Solid-State Batteries Based on Li-Intercalation Cathodes. <i>Joule</i> , 2018, 2, 2208-2224.	11.7	153
7	Review-Solid Electrolytes for Safe and High Energy Density Lithium-Sulfur Batteries: Promises and Challenges. <i>Journal of the Electrochemical Society</i> , 2018, 165, A6008-A6016.	1.3	146
8	Designer Anion Enabling Solid-State Lithium-Sulfur Batteries. <i>Joule</i> , 2019, 3, 1689-1702.	11.7	108
9	Polymer-Rich Composite Electrolytes for All-Solid-State Li-S Cells. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3473-3477.	2.1	106
10	Review-Polymer Electrolytes for Sodium Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070534.	1.3	86
11	Quasi-solid-state electrolytes for lithium sulfur batteries: Advances and perspectives. <i>Journal of Power Sources</i> , 2019, 438, 226985.	4.0	73
12	Fluorine-Free Noble Salt Anion for High-Performance All-Solid-State Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900763.	10.2	66
13	Safe, Flexible, and High-Performing Gel-Polymer Electrolyte for Rechargeable Lithium Metal Batteries. <i>Chemistry of Materials</i> , 2021, 33, 8812-8821.	3.2	66
14	Unprecedented Improvement of Single Li-Ion Conductive Solid Polymer Electrolyte Through Salt Additive. <i>Advanced Functional Materials</i> , 2020, 30, 2000455.	7.8	63
15	Enhanced Lithium-Ion Conductivity of Polymer Electrolytes by Selective Introduction of Hydrogen into the Anion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7829-7834.	7.2	59
16	Elektrolytadditive für Lithiummetallanoden und wiederaufladbare Lithiummetallbatterien: Fortschritte und Perspektiven. <i>Angewandte Chemie</i> , 2018, 130, 15220-15246.	1.6	54
17	Enhanced Lithium-Ion Conductivity of Polymer Electrolytes by Selective Introduction of Hydrogen into the Anion. <i>Angewandte Chemie</i> , 2019, 131, 7911-7916.	1.6	51
18	Stable cycling of lithium metal electrode in nanocomposite solid polymer electrolytes with lithium bis (fluorosulfonyl)imide. <i>Solid State Ionics</i> , 2018, 318, 95-101.	1.3	44

#	ARTICLE	IF	CITATIONS
19	S-containing copolymer as cathode material in poly(ethylene oxide)-based all-solid-state Li-S batteries. <i>Journal of Power Sources</i> , 2018, 390, 148-152.	4.0	43
20	Understanding the Role of Nano-Aluminum Oxide in All-Solid-State Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019, 6, 326-330.	1.7	28
21	Energy Density Assessment of Organic Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 4008-4015.	2.5	26
22	Improvement of Lithium Metal Polymer Batteries through a Small Dose of Fluorinated Salt. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6133-6138.	2.1	24
23	Alumina Nanofilms As Active Barriers for Polysulfides in High-Performance All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 2463-2470.	2.5	14
24	Lithium Azide as an Electrolyte Additive for All-Solid-State Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2017, 129, 15570-15574.	1.6	12
25	Enhancing the polymer electrolyte-Li metal interface on high-voltage solid-state batteries with Li ₇ La ₃ Zr ₂ O ₁₂ . <i>Journal of Materials Chemistry A</i> , 2022, 10, 2352-2361.	5.2	10
26	Solid Electrolytes for Lithium Metal and Future Lithium-ion Batteries. , 2019, , 72-101.		7
27	Graphene-based Activated Carbon Composites for High Performance Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	6
28	A Highly Sensitive Electrochemical Sensor of Polysulfides in Polymer Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080520.	1.3	1