

# Xabier Judez

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,615  
citations

331259

21  
h-index

525886

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the polymer electrolyteâ€“Li metal interface on high-voltage solid-state batteries with Li-based additives inspired by the surface chemistry of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ . Journal of Materials Chemistry A, 2022, 10, 2352-2361.	5.2	10
2	Grapheneâ€“based Activated Carbon Composites for High Performance Lithiumâ€“Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	6
3	Alumina Nanofilms As Active Barriers for Polysulfides in High-Performance All-Solid-State Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2021, 4, 2463-2470.	2.5	14
4	Production of high-energy Li-ion batteries comprising silicon-containing anodes and insertion-type cathodes. Nature Communications, 2021, 12, 5459.	5.8	190
5	Safe, Flexible, and High-Performing Gel-Polymer Electrolyte for Rechargeable Lithium Metal Batteries. Chemistry of Materials, 2021, 33, 8812-8821.	3.2	66
6	Improvement of Lithium Metal Polymer Batteries through a Small Dose of Fluorinated Salt. Journal of Physical Chemistry Letters, 2020, 11, 6133-6138.	2.1	24
7	A Highly Sensitive Electrochemical Sensor of Polysulfides in Polymer Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2020, 167, 080520.	1.3	1
8	Reviewâ€“Polymer Electrolytes for Sodium Batteries. Journal of the Electrochemical Society, 2020, 167, 070534.	1.3	86
9	Unprecedented Improvement of Single Liâ€“ion Conductive Solid Polymer Electrolyte Through Salt Additive. Advanced Functional Materials, 2020, 30, 2000455.	7.8	63
10	Quasi-solid-state electrolytes for lithium sulfur batteries: Advances and perspectives. Journal of Power Sources, 2019, 438, 226985.	4.0	73
11	Designer Anion Enabling Solid-State Lithium-Sulfur Batteries. Joule, 2019, 3, 1689-1702.	11.7	108
12	Energy Density Assessment of Organic Batteries. ACS Applied Energy Materials, 2019, 2, 4008-4015.	2.5	26
13	Fluorineâ€“Free Noble Salt Anion for Highâ€“Performance Allâ€“Solidâ€“State Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1900763.	10.2	66
14	Enhanced Lithiumâ€“ion Conductivity of Polymer Electrolytes by Selective Introduction of Hydrogen into the Anion. Angewandte Chemie - International Edition, 2019, 58, 7829-7834.	7.2	59
15	Enhanced Lithiumâ€“ion Conductivity of Polymer Electrolytes by Selective Introduction of Hydrogen into the Anion. Angewandte Chemie, 2019, 131, 7911-7916.	1.6	51
16	Understanding the Role of Nanoâ€“Aluminum Oxide in Allâ€“Solidâ€“State Lithiumâ€“Sulfur Batteries. ChemElectroChem, 2019, 6, 326-330.	1.7	28
17	Solid Electrolytes for Lithium Metal and Future Lithium-ion Batteries. , 2019, , 72-101.		7
18	Elektrolytadditive f¼r Lithiummetallanoden und wiederaufladbare Lithiummetallbatterien: Fortschritte und Perspektiven. Angewandte Chemie, 2018, 130, 15220-15246.	1.6	54

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19	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
20	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
21	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
22	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
23	Opportunities for Rechargeable Solid-State Batteries Based on Li-Intercalation Cathodes. <i>Joule</i> , 2018, 2, 2208-2224.	11.7	153
24	Ultrahigh Performance All Solid-State Lithium Sulfur Batteries: Salt Anion™s Chemistry-Induced Anomalous Synergistic Effect. <i>Journal of the American Chemical Society</i> , 2018, 140, 9921-9933.	6.6	249
25	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
26	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
27	Lithium Azide as an Electrolyte Additive for All—Solid—State Lithium—Sulfur Batteries. <i>Angewandte Chemie</i> , 2017, 129, 15570-15574.	1.6	12
28	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