

Jelena Popovic

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,820
citations

430442

18
h-index

500791

28
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31
all docs

31
docs citations

31
times ranked

2415
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry Polymer Electrolyte Concepts for Solid-State Batteries. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, 2100344.	1.1	7
2	Review—Recent Advances in Understanding Potassium Metal Anodes. <i>Journal of the Electrochemical Society</i> , 2022, 169, 030510.	1.3	15
3	Influence of Porosity of Sulfide-Based Artificial Solid Electrolyte Interphases on Their Performance with Liquid and Solid Electrolytes in Li and Na Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16147-16156.	4.0	11
4	Polymer-based hybrid battery electrolytes: theoretical insights, recent advances and challenges. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6050-6069.	5.2	40
5	Solid Electrolyte Interphase Growth on Mg Metal Anode: Case Study of Glyme-Based Electrolytes. <i>Energy Technology</i> , 2021, 9, 2001056.	1.8	19
6	Dual-Band Filtering Dielectric Antenna Using High-Quality-Factor $Y_{3}Al_{5}O_{12}$ Transparent Dielectric Ceramic. <i>Advanced Engineering Materials</i> , 2021, 23, 2100115.	1.6	10
7	Solid Electrolyte Interphase on Li/Na Anodes in Contact with Liquid Electrolytes. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 445-445.	0.0	0
8	Dielectric resonator antenna with $Y_{3}Al_{5}O_{12}$ transparent dielectric ceramics for 5G millimeter-wave applications. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4659-4668.	1.9	41
9	Fundamentals, status and promise of sodium-based batteries. <i>Nature Reviews Materials</i> , 2021, 6, 1020-1035.	23.3	496
10	High-Quality-Factor ALON Transparent Ceramics for 5 GHz Wi-Fi Aesthetically Decorative Antennas. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46866-46874.	4.0	16
11	The importance of electrode interfaces and interphases for rechargeable metal batteries. <i>Nature Communications</i> , 2021, 12, 6240.	5.8	49
12	Porosity of Solid Electrolyte Interphases on Alkali Metal Electrodes with Liquid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51767-51774.	4.0	21
13	Nanostructured alkali and alkaline earth metal interfaces for high-energy batteries. <i>Frontiers of Nanoscience</i> , 2021, 19, 327-359.	0.3	1
14	Towards better Li metal anodes: Challenges and strategies. <i>Materials Today</i> , 2020, 33, 56-74.	8.3	404
15	Dielectric resonator antennas based on high quality factor $MgAl_{2}O_{4}$ transparent dielectric ceramics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14880-14885.	2.7	37
16	Solid Electrolyte Interphase Evolution on Lithium Metal in Contact with Glyme-Based Electrolytes. <i>Small</i> , 2020, 16, e2000756.	5.2	31
17	Glyme-based liquid-solid electrolytes for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13331-13338.	5.2	13
18	Interfacial Layering and Screening Behavior of Glyme-Based Lithium Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 577-582.	2.1	3

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19	High Lithium Transference Number Electrolytes Containing Tetratriflylpropene's Lithium Salt. Journal of Physical Chemistry Letters, 2018, 9, 5116-5120.	2.1	35
20	Interfacial Effects in Solid-Liquid Electrolytes for Improved Stability and Performance of Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 37797-37803.	4.0	76
21	Ultrafast lithium diffusion in bilayer graphene. Nature Nanotechnology, 2017, 12, 895-900.	15.6	149
22	Infiltrated porous oxide monoliths as high lithium transference number electrolytes. Journal of Materials Chemistry A, 2016, 4, 7135-7140.	5.2	29
23	Determination of individual contributions to the ionic conduction in liquid electrolytes: Case study of LiTf/PEGDME-150. Electrochemistry Communications, 2015, 60, 195-198.	2.3	13
24	Size-Dependent Staging and Phase Transition in $\text{LiFePO}_4/\text{FePO}_4$. Advanced Functional Materials, 2014, 24, 312-318.	7.8	48
25	Charging and Discharging Behavior of Solvothermal LiFePO_4 Cathode Material Investigated by Combined EELS/NEXAFS Study. Chemistry of Materials, 2014, 26, 1040-1047.	3.2	20
26	Lithium Potential Variations for Metastable Materials: Case Study of Nanocrystalline and Amorphous LiFePO_4 . Nano Letters, 2014, 14, 5342-5349.	4.5	33
27	Soggy-sand electrolytes: status and perspectives. Physical Chemistry Chemical Physics, 2013, 15, 18318.	1.3	91
28	Soggy-sand effects in liquid composite electrolytes with mesoporous materials as fillers. Journal of Materials Chemistry A, 2013, 1, 12560.	5.2	29
29	LiFePO_4 Mesocrystals for Lithium-Ion Batteries. Small, 2011, 7, 1127-1135.	5.2	83