Jelena Popovic

List of Publications by Year
in descending order

29	1,820	394421 19	501196 28
papers	citations	h-index	g-index

31	31	31	2415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dry Polymer Electrolyte Concepts for Solidâ€State Batteries. Macromolecular Chemistry and Physics, 2022, 223, 2100344.	2.2	7
2	Reviewâ€"Recent Advances in Understanding Potassium Metal Anodes. Journal of the Electrochemical Society, 2022, 169, 030510.	2.9	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. ACS Applied Materials & Interfaces, 2022, 14, 16147-16156.	8.0	11
4	Polymer-based hybrid battery electrolytes: theoretical insights, recent advances and challenges. Journal of Materials Chemistry A, 2021, 9, 6050-6069.	10.3	40
5	Solid Electrolyte Interphase Growth on Mg Metal Anode: Case Study of Glymeâ€Based Electrolytes. Energy Technology, 2021, 9, 2001056.	3.8	19
6	Dualâ€Band Filtering Dielectric Antenna Using Highâ€Qualityâ€Factor Y₃Al₅O₁₂ Transparent Dielectric Ceramic. Advanced Engineering Materials, 2021, 23, 2100115.	3.5	10
7	Solid Electrolyte Interphase on Li/Na Anodes in Contact with Liquid Electrolytes. ECS Meeting Abstracts, 2021, MA2021-01, 445-445.	0.0	0
8	Dielectric resonator antenna with Y₃Al₅O₁₂ transparent dielectric ceramics for 5G millimeterâ€wave applications. Journal of the American Ceramic Society, 2021, 104, 4659-4668.	3.8	41
9	Fundamentals, status and promise of sodium-based batteries. Nature Reviews Materials, 2021, 6, 1020-1035.	48.7	496
10	High-Quality-Factor AlON Transparent Ceramics for 5 GHz Wi-Fi Aesthetically Decorative Antennas. ACS Applied Materials & Interfaces, 2021, 13, 46866-46874.	8.0	16
11	The importance of electrode interfaces and interphases for rechargeable metal batteries. Nature Communications, 2021, 12, 6240.	12.8	49
12	Porosity of Solid Electrolyte Interphases on Alkali Metal Electrodes with Liquid Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 51767-51774.	8.0	21
13	Nanostructured alkali and alkaline earth metal interfaces for high-energy batteries. Frontiers of Nanoscience, 2021, 19, 327-359.	0.6	1
14	Towards better Li metal anodes: Challenges and strategies. Materials Today, 2020, 33, 56-74.	14.2	404
15	Dielectric resonator antennas based on high quality factor MgAl₂O₄ transparent dielectric ceramics. Journal of Materials Chemistry C, 2020, 8, 14880-14885.	5.5	37
16	Solid Electrolyte Interphase Evolution on Lithium Metal in Contact with Glymeâ€Based Electrolytes. Small, 2020, 16, e2000756.	10.0	31
17	Glyme-based liquidâ€"solid electrolytes for lithium metal batteries. Journal of Materials Chemistry A, 2019, 7, 13331-13338.	10.3	13
18	Interfacial Layering and Screening Behavior of Glyme-Based Lithium Electrolytes. Journal of Physical Chemistry Letters, 2018, 9, 577-582.	4.6	3

#	Article	IF	Citations
19	High Lithium Transference Number Electrolytes Containing Tetratriflylpropeneâ€™s Lithium Salt. Journal of Physical Chemistry Letters, 2018, 9, 5116-5120.	4.6	35
20	Interfacial Effects in Solidâ€“Liquid Electrolytes for Improved Stability and Performance of Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 37797-37803.	8.0	76
21	Ultrafast lithium diffusion in bilayer graphene. Nature Nanotechnology, 2017, 12, 895-900.	31.5	149
22	Infiltrated porous oxide monoliths as high lithium transference number electrolytes. Journal of Materials Chemistry A, 2016, 4, 7135-7140.	10.3	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.	4.7	13
24	Sizeâ€Ðependent Staging and Phase Transition in LiFePO₄/FePO₄. Advanced Functional Materials, 2014, 24, 312-318.	14.9	48
25	Charging and Discharging Behavior of Solvothermal LiFePO₄ Cathode Material Investigated by Combined EELS/NEXAFS Study. Chemistry of Materials, 2014, 26, 1040-1047.	6.7	20
26	Lithium Potential Variations for Metastable Materials: Case Study of Nanocrystalline and Amorphous LiFePO₄. Nano Letters, 2014, 14, 5342-5349.	9.1	33
27	Soggy-sand electrolytes: status and perspectives. Physical Chemistry Chemical Physics, 2013, 15, 18318.	2.8	91
28	Soggy-sand effects in liquid composite electrolytes with mesoporous materials as fillers. Journal of Materials Chemistry A, 2013, 1, 12560.	10.3	29
29	LiFePO₄ Mesocrystals for Lithiumâ€Ion Batteries. Small, 2011, 7, 1127-1135.	10.0	83