

# Haleh Ardebili

## List of Publications by Year in descending order

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24  
papers

981  
citations

567281

15  
h-index

610901

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g-index

26  
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26  
docs citations

26  
times ranked

1490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of cyclic voltammetry in structural supercapacitors with pseudocapacitance behavior. <i>Electrochimica Acta</i> , 2021, 390, 138822.	5.2	31
2	A Perspective on the Mechanics Issues in Soft Solid Electrolytes and the Development of Next-Generation Batteries. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020, 87, .	2.2	5
3	Comparison of Nanoarchitecture to Porous Media Diffusion Models in Reduced Graphene Oxide/Aramid Nanofiber Electrodes for Supercapacitors. <i>ACS Nano</i> , 2020, 14, 5314-5323.	14.6	15
4	Chemically inert covalently networked triazole-based solid polymer electrolytes for stable all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19691-19695.	10.3	17
5	Stretchable fabric-based LiCoO <sub>2</sub> electrode for lithium ion batteries. <i>Extreme Mechanics Letters</i> , 2019, 32, 100532.	4.1	13
6	In situ strain dependent electrochemical characterization of a stretchable-sliding battery. <i>AIP Advances</i> , 2019, 9, .	1.3	2
7	The effect of nanoscale architecture on ionic diffusion in rCo/aramid nanofiber structural electrodes. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	12
8	Systematic Approaches To Tailor the Morphologies and Transport Properties of Solution-Cast Sulfonated Pentablock Copolymers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 8-17.	4.4	13
9	Structure and Properties of Sulfonated Pentablock Terpolymer Films as a Function of Wet/Dry Cycles. <i>Macromolecules</i> , 2018, 51, 2203-2215.	4.8	17
10	Mechanical deformation effects on ion conduction in stretchable polymer electrolytes. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	16
11	Molecular engineering of step-growth liquid crystal elastomers. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 433-440.	7.8	16
12	Flexible batteries under extreme bending: Interfacial contact pressure and conductance. <i>Extreme Mechanics Letters</i> , 2017, 13, 108-115.	4.1	7
13	Stretchable spiral thin-film battery capable of out-of-plane deformation. <i>Journal of Power Sources</i> , 2016, 332, 406-412.	7.8	20
14	In Situ Study of Strain-Dependent Ion Conductivity of Stretchable Polyethylene Oxide Electrolyte. <i>Scientific Reports</i> , 2016, 6, 20128.	3.3	67
15	Flexible thin-film battery based on solid-like ionic liquid-polymer electrolyte. <i>Journal of Power Sources</i> , 2016, 303, 17-21.	7.8	91
16	High Fidelity Tape Transfer Printing Based On Chemically Induced Adhesive Strength Modulation. <i>Scientific Reports</i> , 2015, 5, 16133.	3.3	34
17	High proton conductivity membrane with coconut shell activated carbon. <i>Ionics</i> , 2015, 21, 1665-1674.	2.4	9
18	Flexible thin-film battery based on graphene-oxide embedded in solid polymer electrolyte. <i>Nanoscale</i> , 2015, 7, 17516-17522.	5.6	69

#	ARTICLE	IF	CITATIONS
19	High performance solid polymer electrolyte with graphene oxide nanosheets. RSC Advances, 2014, 4, 59637-59642.	3.6	87
20	Atomistic investigation of the nanoparticle size and shape effects on ionic conductivity of solid polymer electrolytes. Solid State Ionics, 2014, 268, 156-161.	2.7	18
21	Elucidating the mechanisms of ion conductivity enhancement in polymer nanocomposite electrolytes for lithium ion batteries. Applied Physics Letters, 2013, 102, .	3.3	26
22	Mitigating the dead-layer effect in nanocapacitors using graded dielectric films. International Journal of Smart and Nano Materials, 2012, 3, 23-32.	4.2	3
23	High Ion Conducting Polymer Nanocomposite Electrolytes Using Hybrid Nanofillers. Nano Letters, 2012, 12, 1152-1156.	9.1	273
24	Hygroscopic swelling and sorption characteristics of epoxy molding compounds used in electronic packaging. IEEE Transactions on Components and Packaging Technologies, 2003, 26, 206-214.	1.3	115