

Ozan ToprakÃi

List of Publications by Year in descending order

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39
papers

2,927
citations

331538

21
h-index

395590

33
g-index

40
all docs

40
docs citations

40
times ranked

4194
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of recent developments in membrane separators for rechargeable lithium-ion batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3857-3886.	15.6	1,152
2	Fe_2O_3 Nanoparticle-Loaded Carbon Nanofibers as Stable and High-Capacity Anodes for Rechargeable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2672-2679.	4.0	194
3	Electrospun Nanofiber-Based Anodes, Cathodes, and Separators for Advanced Lithium-Ion Batteries. <i>Polymer Reviews</i> , 2011, 51, 239-264.	5.3	182
4	Electrospun Carbon-Tin Oxide Composite Nanofibers for Use as Lithium Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2534-2542.	4.0	156
5	Fabrication of carbon nanofiber-driven electrodes from electrospun polyacrylonitrile/polypyrrole bicomponents for high-performance rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2010, 195, 2050-2056.	4.0	154
6	Carbon Nanotube-Loaded Electrospun LiFePO_4 /Carbon Composite Nanofibers As Stable and Binder-Free Cathodes for Rechargeable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1273-1280.	4.0	126
7	Fabrication and electrochemical characteristics of electrospun LiFePO_4 /carbon composite fibers for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011, 196, 7692-7699.	4.0	107
8	Structure control and performance improvement of carbon nanofibers containing a dispersion of silicon nanoparticles for energy storage. <i>Carbon</i> , 2013, 51, 185-194.	5.4	88
9	Si/C composite nanofibers with stable electric conductive network for use as durable lithium-ion battery anode. <i>Nano Energy</i> , 2013, 2, 361-367.	8.2	84
10	Cr-doped $\text{Li}_2\text{MnSiO}_4$ /carbon composite nanofibers as high-energy cathodes for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 14661.	6.7	75
11	Fabrication and Electrochemical Characteristics of LiFePO_4 Powders for Lithium-Ion Batteries. <i>KONA Powder and Particle Journal</i> , 2010, 28, 50-73.	0.9	70
12	High-capacity $\text{Li}_2\text{Mn}_0.8\text{Fe}_0.2\text{SiO}_4$ /carbon composite nanofiber cathodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 213, 10-15.	4.0	70
13	Synthesis and characterization of $x\text{Li}_2\text{MnO}_3 \cdot (1-x)\text{LiMn}_{1/3}\text{Ni}_{1/3}\text{Co}_{1/3}\text{O}_2$ composite cathode materials for rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2013, 241, 522-528.	4.0	62
14	Formation and electrochemical performance of copper/carbon composite nanofibers. <i>Electrochimica Acta</i> , 2010, 55, 1605-1611.	2.6	55
15	Electrospun carbon nanofibers decorated with various amounts of electrochemically-inert nickel nanoparticles for use as high-performance energy storage materials. <i>RSC Advances</i> , 2012, 2, 192-198.	1.7	48
16	Preparation and characterization of electrospun nanofiber-coated membrane separators for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2451-2458.	1.2	45
17	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. <i>Polymer</i> , 2010, 51, 4368-4374.	1.8	34
18	LiFePO_4 nanoparticles encapsulated in graphene-containing carbon nanofibers for use as energy storage materials. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, .	0.8	32

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19	Improvement of cyclability of silicon-containing carbon nanofiber anodes for lithium-ion batteries by employing succinic anhydride as an electrolyte additive. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1393-1399.	1.2	32
20	Enhanced Rate Capability by Employing Carbon Nanotube-Loaded Electrospun Si/C Composite Nanofibers As Binder-Free Anodes. <i>Journal of the Electrochemical Society</i> , 2013, 160, A528-A534.	1.3	31
21	Thermoplastic Elastomer Systems Containing Carbon Nanofibers as Soft Piezoresistive Sensors. <i>ACS Omega</i> , 2018, 3, 12648-12657.	1.6	22
22	Electrospun Polylactic Acid Based Nanofibers for Biomedical Applications. <i>Material Science Research India</i> , 2018, 15, 224-240.	0.9	20
23	Electrospun carbon nanofiber-supported Pt-Pd alloy composites for oxygen reduction. <i>Journal of Materials Research</i> , 2010, 25, 1329-1335.	1.2	15
24	Synthesis and properties of LiMnO ₃ -based cathode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2013, 577, 560-563.	2.8	15
25	Comparison of high-volume instrument and advanced fiber information systems based on prediction performance of yarn properties using a radial basis function neural network. <i>Textile Research Journal</i> , 2013, 83, 130-147.	1.1	11
26	Expanded vermiculite-filled flexible polymer composites. <i>Journal of Elastomers and Plastics</i> , 2022, 54, 145-168.	0.7	11
27	Electrochemical Performance of Carbon Nanofibers Containing an Enhanced Dispersion of Silicon Nanoparticles for Lithium-Ion Batteries by Employing Surfactants. <i>ECS Electrochemistry Letters</i> , 2012, 1, A31-A33.	1.9	10
28	Anode Performance of Sustainable, Hemp-derived, Flexible, Binder-free, Carbon Fabrics in Lithium-Ion Batteries. <i>International Journal of Environment and Geoinformatics</i> , 2021, 8, 28-32.	0.5	6
29	Conductive textiles. , 2018, , 305-334.		5
30	Nailed-bat like halloysite nanotube filled polyamide 6,6 nanofibers by electrospinning. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 522-535.	0.6	4
31	Karbonize edilmi Antep f \pm st \pm Ä \pm Ä \pm kabuk at \pm klar \pm ndan iletken, esnek polimer kompozit $\frac{1}{4}$ retimi ve karakterizasyonu. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2022, 37, 711-722.	0.3	3
32	Bio-based sustainable composites from hazelnut shell and PP/SEBS blends. <i>Journal of Thermoplastic Composite Materials</i> , 0, , 089270572211153.	2.6	3
33	Flexible composites used as piezoresistive pressure sensors. <i>Materials Today: Proceedings</i> , 2021, 46, 6904-6907.	0.9	2
34	Fabrication of Conductive Polymer Composites from Turkish Hemp-Derived Carbon Fibers and Thermoplastic Elastomers. <i>Tekstil Ve Muhendis</i> , 2021, 28, 32-38.	0.3	2
35	Production of Styrene-[Ethylene-(Ethylene-Propylene)]-Styrene Block Copolymer (SEEPS) Microfibers by Electrospinning. <i>Material Science Research India</i> , 2021, 18, 27-36.	0.9	1
36	Co ₃ O ₄ /Carbon Composite Nanofibers for Use as Anode Material in Advanced Lithium-Ion Batteries. <i>ACS Symposium Series</i> , 2013, , 55-66.	0.5	0

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37	Methylene Blue Removal by Activated Carbon from Platanus Orientalis Leaves. International Journal of Environment and Geoinformatics, 2021, 8, 283-289.	0.5	0
38	Fabrication and characterization of vapor grown carbon nanofiber reinforced flexible polymer composites. Research on Engineering Structures and Materials, 2019, , .	0.2	0
39	A Novel Approach for Fabrication of Thermoplastic Starch Based Biocomposites. Tekstil Ve Muhendis, 2019, 26, 216-223.	0.3	0