Meltem Yanilmaz

List of Publications by Year
in descending order

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Version: 2024-02-01

37 papers	2,969 citations	257357 24 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	3892 citing authors

#	Article	IF	Citations
1	A review of recent developments in membrane separators for rechargeable lithium-ion batteries. Energy and Environmental Science, 2014, 7, 3857-3886.	15.6	1,152
2	Nanoparticle-on-nanofiber hybrid membrane separators for lithium-ion batteries via combining electrospraying and electrospinning techniques. Journal of Membrane Science, 2014, 456, 57-65.	4.1	180
3	Understanding glass fiber membrane used as a novel separator for lithiumâ€“sulfur batteries. Journal of Membrane Science, 2016, 504, 89-96.	4.1	152
4	Silica/polyacrylonitrile hybrid nanofiber membrane separators via sol-gel and electrospinning techniques for lithium-ion batteries. Journal of Power Sources, 2016, 313, 205-212.	4.0	141
5	Evaluation of electrospun SiO2/nylon 6,6 nanofiber membranes as a thermally-stable separator for lithium-ion batteries. Electrochimica Acta, 2014, 133, 501-508.	2.6	119
6	Flexible polyaniline-carbon nanofiber supercapacitor electrodes. Journal of Energy Storage, 2019, 24, 100766.	3.9	115
7	Carbon-enhanced electrodeposited SnO2/carbon nanofiber composites as anode for lithium-ion batteries. Journal of Power Sources, 2014, 264, 240-247.	4.0	96
8	SiO2/polyacrylonitrile membranes via centrifugal spinning as a separator for Li-ion batteries. Journal of Power Sources, 2015, 273, 1114-1119.	4.0	85
9	Polyaniline/MnO2/porous carbon nanofiber electrodes for supercapacitors. Journal of Electroanalytical Chemistry, 2020, 861, 113995.	1.9	77
10	Investigation of wicking, wetting and drying properties of acrylic knitted fabrics. Textile Reseach Journal, 2012, 82, 820-831.	1.1	76
11	Fabrication and characterization of SiO₂/PVDF composite nanofiberâ€coated PP nonwoven separators for lithiumâ€ion batteries. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1719-1726.	2.4	76
12	Centrifugal spinning: A novel approach to fabricate porous carbon fibers as binder-free electrodes for electric double-layer capacitors. Journal of Power Sources, 2015, 273, 502-510.	4.0	72
13	Polymethylmethacrylate/Polyacrylonitrile Membranes via Centrifugal Spinning as Separator in Li-Ion Batteries. Polymers, 2015, 7, 629-643.	2.0	66
14	A review: effect of conductive polymers on the conductivities of electrospun mats. Textile Reseach Journal, 2014, 84, 1325-1342.	1.1	62
15	Chamber-confined siliconâ€“carbon nanofiber composites for prolonged cycling life of Li-ion batteries. Nanoscale, 2014, 6, 7489-7495.	2.8	60
16	Free-standing polyanilineâ€“porous carbon nanofiber electrodes for symmetric and asymmetric supercapacitors. RSC Advances, 2014, 4, 59427-59435.	1.7	53
17	Preparation and characterization of electrospun polyurethaneâ€“polypyrrole nanofibers and films. Journal of Applied Polymer Science, 2012, 125, 4100-4108.	1.3	48
18	Carbon-Confined PVA-Derived Silicon/Silica/Carbon Nanofiber Composites as Anode for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2014, 161, A2197-A2203.	1.3	42

#	Article	IF	Citations
19	High-strength, thermally stable nylon 6,6 composite nanofiber separators for lithium-ion batteries. Journal of Materials Science, 2017, 52, 5232-5241.	1.7	39
20	Coaxial electrospun Si/Câ€“C coreâ€“shell composite nanofibers as binder-free anodes for lithium-ion batteries. Solid State Ionics, 2014, 258, 67-73.	1.3	37
21	A Review on Centrifugally Spun Fibers and Their Applications. Polymer Reviews, 2022, 62, 1-64.	5.3	37
22	Centrifugally spun porous carbon microfibers as interlayer for Liâ€“S batteries. Journal of Materials Science, 2020, 55, 3538-3548.	1.7	30
23	Lithium-substituted sodium layered transition metal oxide fibers as cathodes for sodium-ion batteries. Energy Storage Materials, 2015, 1, 74-81.	9.5	29
24	Centrifugally Spun SnO₂ Microfibers Composed of Interconnected Nanoparticles as the Anode in Sodiumâ€ion Batteries. ChemElectroChem, 2015, 2, 1947-1956.	1.7	25
25	Evaluation of electrospun PVA/SiO₂ nanofiber separator membranes for lithium-ion batteries. Journal of the Textile Institute, 2020, 111, 447-452.	1.0	23
26	Fabrication and electrochemical behavior study of nano-fibrous sodium titanate composite. Materials Letters, 2017, 188, 176-179.	1.3	15
27	High-performance nanostructured bio-based carbon electrodes for energy storage applications. Cellulose, 2021, 28, 5169-5218.	2.4	15
28	TiO₂-decorated porous carbon nanofiber interlayer for Liâ€“S batteries. RSC Advances, 2020, 10, 16570-16575.	1.7	9
29	Comparing the structures and sodium storage properties of centrifugally spun SnO2 microfiber anodes with/without chemical vapor deposition. Journal of Materials Science, 2016, 51, 4549-4558.	1.7	8
30	Recent Developments of Tin (II) Sulfide/Carbon Composites for Achieving High-Performance Lithium Ion Batteries: A Critical Review. Nanomaterials, 2022, 12, 1246.	1.9	8
31	The Bacterial Control of Poly (Lactic Acid) Nanofibers Loaded with Plant-Derived Monoterpenoids via Emulsion Electrospinning. Polymers, 2021, 13, 3405.	2.0	7
32	A statistical analysis on the influence of process and solution properties on centrifugally spun nanofiber morphology. Journal of Industrial Textiles, 0, , 152808372110293.	1.1	5
33	Synthesis of urethane acrylate based electromagnetic interference shielding materials. Journal of Applied Polymer Science, 2013, 127, 4957-4966.	1.3	4
34	Exploring the Diverse Morphology of Porous Poly(Lactic Acid) Fibers for Developing Long-Term Controlled Antibiotic Delivery Systems. Pharmaceutics, 2022, 14, 1272.	2.0	3
35	Nylon 6,6 Nanolif MembranlarÄ±n Mekanik Ã–zelliklerinin Ä°ncelenmesi. Tekstil Ve Muhendis, 2018, 25, 286-291.	0.3	2
36	Effect of the Solvent System on the Morphology and Performance of Nylon 6 Nanofibre Membranes. Fibres and Textiles in Eastern Europe, 2019, 27, 97-101.	0.2	1

#	Article	IF	Citations
37	Cellulose based Hybrid Separators for High Performance Li-ion Batteries. European Journal of Science and Technology, 0, , .	0.5	0