Anja Lund

List of Publications by Year
in descending order

35 papers	1,666 citations	304602 22 h-index	360920 35 g-index
39 all docs	39 docs citations	39 times ranked	2054 citing authors

#	Article	IF	Citations
1	Machine-Washable PEDOT:PSS Dyed Silk Yarns for Electronic Textiles. ACS Applied Materials & Interfaces, 2017, 9, 9045-9050.	4.0	183
2	Electrically conducting fibres for e-textiles: An open playground for conjugated polymers and carbon nanomaterials. Materials Science and Engineering Reports, 2018, 126, 1-29.	14.8	172
3	Enhancement of Î² phase crystals formation with the use of nanofillers in PVDF films and fibres. Composites Science and Technology, 2011, 71, 222-229.	3.8	119
4	Energy harvesting textiles for a rainy day: woven piezoelectrics based on melt-spun PVDF microfibres with a conducting core. Npj Flexible Electronics, 2018, 2, .	5.1	114
5	Poling and characterization of piezoelectric polymer fibers for use in textile sensors. Sensors and Actuators A: Physical, 2013, 201, 477-486.	2.0	110
6	A polymer-based textile thermoelectric generator for wearable energy harvesting. Journal of Power Sources, 2020, 480, 228836.	4.0	88
7	Machine-Washable Conductive Silk Yarns with a Composite Coating of Ag Nanowires and PEDOT:PSS. ACS Applied Materials & Interfaces, 2020, 12, 27537-27544.	4.0	81
8	All-Organic Textile Thermoelectrics with Carbon-Nanotube-Coated n-Type Yarns. ACS Applied Energy Materials, 2018, 1, 2934-2941.	2.5	75
9	Robust PEDOT:PSS Wetâ€Spun Fibers for Thermoelectric Textiles. Macromolecular Materials and Engineering, 2020, 305, 1900749.	1.7	68
10	Rollâ€toâ€Roll Dyed Conducting Silk Yarns: A Versatile Material for Eâ€Textile Devices. Advanced Materials Technologies, 2018, 3, 1800251.	3.0	56
11	Enhanced Thermoelectric Power Factor of Tensile Drawn Poly(3-hexylthiophene). ACS Macro Letters, 2019, 8, 70-76.	2.3	56
12	Melt spinning of Î²â€phase poly(vinylidene fluoride) yarns with and without a conductive core. Journal of Applied Polymer Science, 2011, 120, 1080-1089.	1.3	54
13	Textile sensing glove with piezoelectric PVDF fibers and printed electrodes of PEDOT:PSS. Textile Reseach Journal, 2015, 85, 1789-1799.	1.1	52
14	Piezoelectric polymeric bicomponent fibers produced by melt spinning. Journal of Applied Polymer Science, 2012, 126, 490-500.	1.3	41
15	Green Conducting Cellulose Yarns for Machine-Sewn Electronic Textiles. ACS Applied Materials & Interfaces, 2020, 12, 56403-56412.	4.0	39
16	All-Polymer Conducting Fibers and 3D Prints via Melt Processing and Templated Polymerization. ACS Applied Materials & Interfaces, 2020, 12, 8713-8721.	4.0	37
17	Recyclable Polyethylene Insulation via Reactive Compounding with a Maleic Anhydride-Grafted Polypropylene. ACS Applied Polymer Materials, 2020, 2, 2389-2396.	2.0	34
18	Conducting materials as building blocks for electronic textiles. MRS Bulletin, 2021, 46, 491-501.	1.7	33

#	Article	IF	Citations
19	Melt spinning of poly(vinylidene fluoride) fibers and the influence of spinning parameters on Î²â€phase crystallinity. Journal of Applied Polymer Science, 2010, 116, 2685-2693.	1.3	28
20	Repurposing Poly(3â€hexylthiophene) as a Conductivityâ€Reducing Additive for Polyethyleneâ€Based Highâ€Voltage Insulation. Advanced Materials, 2021, 33, e2100714.	11.1	28
21	Analysis of the torsion angle distribution of poly(vinylidene fluoride) in the melt. Polymer, 2012, 53, 1109-1114.	1.8	22
22	Designing for a Wearable Affective Interface for the NAO Robot: A Study of Emotion Conveyance by Touch. Multimodal Technologies and Interaction, 2018, 2, 2.	1.7	22
23	From Single Molecules to Thin Film Electronics, Nanofibers, eâ€Textiles and Power Cables: Bridging Length Scales with Organic Semiconductors. Advanced Materials, 2019, 31, e1807286.	11.1	20
24	Bulk-Processed Pd Nanocubeâ€"Poly(methyl methacrylate) Nanocomposites as Plasmonic Plastics for Hydrogen Sensing. ACS Applied Nano Materials, 2020, 3, 8438-8445.	2.4	20
25	Toughening of a Soft Polar Polythiophene through Copolymerization with Hard Urethane Segments. Advanced Science, 2021, 8, 2002778.	5.6	18
26	Tuning of the elastic modulus of a soft polythiophene through molecular doping. Materials Horizons, 2022, 9, 433-443.	6.4	17
27	Thermally Activated in Situ Doping Enables Solid-State Processing of Conducting Polymers. Chemistry of Materials, 2019, 31, 2770-2777.	3.2	15
28	A Combined Theoretical and Experimental Study of the Polymer Matrix-Mediated Stress Transfer in a Cellulose Nanocomposite. Macromolecules, 2021, 54, 3507-3516.	2.2	13
29	Highâ€temperature creep resistant ternary blends based on polyethylene and polypropylene for thermoplastic power cable insulation. Journal of Polymer Science, 2021, 59, 1084-1094.	2.0	10
30	Highly insulating thermoplastic blends comprising a styrenic copolymer for directâ€current power cable insulation. High Voltage, 2022, 7, 251-259.	2.7	10
31	Sequential doping of solid chunks of a conjugated polymer for body-heat-powered thermoelectric modules. Applied Physics Letters, 2021, 119, .	1.5	9
32	Oxidation Level and Glycidyl Ether Structure Determine Thermal Processability and Thermomechanical Properties of Arabinoxylan-Derived Thermoplastics. ACS Applied Bio Materials, 2021, 4, 3133-3144.	2.3	7
33	Hydrophobization of arabinoxylan with n-butyl glycidyl ether yields stretchable thermoplastic materials. International Journal of Biological Macromolecules, 2021, 188, 491-500.	3.6	6
34	Side chains affect the melt processing and stretchability of arabinoxylan biomass-based thermoplastic films. Chemosphere, 2022, 294, 133618.	4.2	5
35	Electrically Conducting Elastomeric Fibers with High Stretchability and Stability. Small, 2022, 18, e2102813.	5.2	3