

Hazel E Assender

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

411
citations

687363

13
h-index

752698

20
g-index

29
all docs

29
docs citations

29
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic (acrylate/polydimethylsiloxane) substrate-to-coating interlayers for improving the mechanical resilience of thermoelectric films on poly(ethylene terephthalate) during roll-to-roll manufacture and in service operation. <i>Surface and Coatings Technology</i> , 2022, 434, 128167.	4.8	4
2	Static and Dynamic Postannealing Strategies for Roll-to-Roll Fabrication of DC Magnetron Sputtered Bismuth Telluride Thin Films onto Polymer Webs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10149-10160.	8.0	7
3	Device Optimization and Large-scale Roll-to-Roll Manufacturability of Flexible Thin-Film Thermoelectric Generators. <i>Energy Technology</i> , 2021, 9, 2001008.	3.8	3
4	Novel Stacking Design of a Flexible Thin-Film Thermoelectric Generator with a Metal-Insulator-Semiconductor Architecture. <i>Advanced Electronic Materials</i> , 2021, 7, 2100201.	5.1	3
5	Linear Electron Beam Assisted Roll-to-Roll in-Vacuum Flexographic Patterning for Flexible Thermoelectric Generators. <i>Coatings</i> , 2021, 11, 1470.	2.6	5
6	Roll-to-roll patterning of Al/Cu/Ag electrodes on flexible poly(ethylene terephthalate) by oil masking: a comparison of thermal evaporation and magnetron sputtering. <i>Applied Surface Science</i> , 2020, 505, 144294.	6.1	17
7	Towards Wearable and Flexible Sensors and Circuits Integration for Stress Monitoring. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 2208-2215.	6.3	22
8	BixTey thermoelectric thin films sputtered at room temperature onto moving polymer web: Effect of gas pressure on materials properties. <i>Thin Solid Films</i> , 2020, 712, 138311.	1.8	6
9	Selective ozone treatment of PDMS printing stamps for selective Ag metallization: A new approach to improving resolution in patterned flexible/stretchable electronics. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 273-281.	9.4	8
10	Thermoelectric behaviour of Bi-Te films on polymer substrates DC-sputtered at room-temperature in moving web deposition. <i>Surface and Coatings Technology</i> , 2020, 385, 125393.	4.8	11
11	Roll-to-Roll processable OTFT-based Amplifier and Application for pH sensing. , 2019, , .		1
12	Crystalline morphologies at the surface of PET/PEN random copolymer films. <i>Polymer Crystallization</i> , 2019, 2, e10087.	0.8	0
13	High-throughput physical vapour deposition flexible thermoelectric generators. <i>Scientific Reports</i> , 2019, 9, 4393.	3.3	36
14	Cover Image: Crystalline morphologies at the surface of PET/PEN random copolymer films. <i>Polymer Crystallization</i> , 2019, 2, e10121.	0.8	0
15	Synthesis of statistical PET/PEN random block copolymers and their crystallizability in the bulk and at the surface. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46515.	2.6	5
16	Modelling of a vacuum metallization patterning method for organic electronics. <i>Surface and Coatings Technology</i> , 2018, 336, 128-132.	4.8	7
17	Flexography Printing for Organic Thin Film Transistors. <i>Materials Today: Proceedings</i> , 2018, 5, 16051-16057.	1.8	17
18	Nanodefekt-controlled permeation in AlOx/polymer gas barrier films. <i>Thin Solid Films</i> , 2017, 642, 142-150.	1.8	5

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19	<i>In situ</i> AFM study of near-surface crystallization in PET and PEN. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	11
20	Narrow Band Gap Lead Sulfide Hole Transport Layers for Quantum Dot Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21417-21422.	8.0	29
21	Vacuum production of OTFTs by vapour jet deposition of dinaphtho[2,3-b:2',3'-f]thieno[3,2-b]thiophene (DNFT) on a lauryl acrylate functionalised dielectric surface. <i>Organic Electronics</i> , 2016, 31, 90-97.	2.6	7
22	Phase Separation and Crystallization in High Hard Block Content Polyurethane Thin Films. <i>Macromolecules</i> , 2015, 48, 5358-5366.	4.8	34
23	Effect of Oxygen, Moisture and Illumination on the Stability and Reliability of Dinaphtho[2,3-b:2',3'-f]thieno[3,2-b]thiophene (DNFT) OTFTs during Operation and Storage. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15224-15231.	8.0	31
24	A high-yielding evaporation-based process for organic transistors based on the semiconductor DNFT. <i>Organic Electronics</i> , 2014, 15, 1998-2006.	2.6	16
25	A high-yield vacuum-evaporation-based R2R-compatible fabrication route for organic electronic circuits. <i>Organic Electronics</i> , 2014, 15, 1493-1502.	2.6	31
26	Hysteresis-Free Vacuum-Processed Acrylate-Pentacene Thin-Film Transistors. <i>IEEE Electron Device Letters</i> , 2013, 34, 268-270.	3.9	14
27	Near-surface crystallization of PET. <i>Polymer</i> , 2012, 53, 5554-5559.	3.8	26
28	Improving efficiency of MEH-PPV/TiO ₂ solar cells by lithium salt modification. <i>Organic Electronics</i> , 2010, 11, 649-657.	2.6	17
29	Quantitative ATR-IR Analysis of Anisotropic Polymer Films: Surface Structure of Commercial PET. <i>Macromolecules</i> , 2005, 38, 9258-9265.	4.8	38