

Trisha L Andrew

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6316231/trisha-l-andrew-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

1,825

citations

21

h-index

42

g-index

86

ext. papers

2,215

ext. citations

7.1

avg, IF

5.66

L-index

#	Paper	IF	Citations
69	Effect of synthetic accessibility on the commercial viability of organic photovoltaics. <i>Energy and Environmental Science</i> , 2013 , 6, 711	35.4	237
68	A fluorescence turn-on mechanism to detect high explosives RDX and PETN. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7254-5	16.4	193
67	Confining light to deep subwavelength dimensions to enable optical nanopatterning. <i>Science</i> , 2009 , 324, 917-21	33.3	172
66	Improving the performance of P3HT-fullerene solar cells with side-chain-functionalized poly(thiophene) additives: a new paradigm for polymer design. <i>ACS Nano</i> , 2012 , 6, 3044-56	16.7	115
65	Transforming Commercial Textiles and Threads into Sewable and Weavable Electric Heaters. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32299-32307	9.5	88
64	Towards seamlessly-integrated textile electronics: methods to coat fabrics and fibers with conducting polymers for electronic applications. <i>Chemical Communications</i> , 2017 , 53, 7182-7193	5.8	86
63	StructureProperty relationships for exciton transfer in conjugated polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 476-498	2.6	74
62	A Wearable All-Fabric Thermoelectric Generator. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800615	6.8	66
61	All-Textile Triboelectric Generator Compatible with Traditional Textile Process. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600147	6.8	59
60	Detection of explosives via photolytic cleavage of nitroesters and nitramines. <i>Journal of Organic Chemistry</i> , 2011 , 76, 2976-93	4.2	58
59	Rugged Textile Electrodes for Wearable Devices Obtained by Vapor Coating Off-the-Shelf, Plain-Woven Fabrics. <i>Advanced Functional Materials</i> , 2017 , 27, 1700415	15.6	56
58	Synthesis, reactivity, and electronic properties of 6,6-dicyanofulvenes. <i>Organic Letters</i> , 2010 , 12, 5302-5	6.2	55
57	Melding Vapor-Phase Organic Chemistry and Textile Manufacturing To Produce Wearable Electronics. <i>Accounts of Chemical Research</i> , 2018 , 51, 850-859	24.3	48
56	Vapor-printed polymer electrodes for long-term, on-demand health monitoring. <i>Science Advances</i> , 2019 , 5, eaaw0463	14.3	38
55	Wearable Sensors for Monitoring Human Motion: A Review on Mechanisms, Materials, and Challenges. <i>SLAS Technology</i> , 2020 , 25, 9-24	3	36
54	Vapor phase organic chemistry to deposit conjugated polymer films on arbitrary substrates. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5787-5796	7.1	32
53	A critical review of reactive vapor deposition for conjugated polymer synthesis. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7159-7174	7.1	27

52	High Energy Density, Super-Deformable, Garment-Integrated Microsupercapacitors for Powering Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36834-36840	9.5	25
51	Perspective Challenges in Developing Wearable Electrochemical Sensors for Longitudinal Health Monitoring. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037542	3.9	23
50	Integrating a Semitransparent, Fullerene-Free Organic Solar Cell in Tandem with a BiVO ₃ Photoanode for Unassisted Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22449-22455	9.5	21
49	High open-circuit voltage, high fill factor single-junction organic solar cells. <i>Applied Physics Letters</i> , 2014 , 105, 083304	3.4	21
48	Photoluminescent energy transfer from poly(phenyleneethynylene)s to near-infrared emitting fluorophores. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3382-3391	2.5	21
47	Phyjama 2019 , 3, 1-29		19
46	Thermally-Polymerized Rylene Nanoparticles. <i>Macromolecules</i> , 2011 , 44, 2276-2281	5.5	19
45	Deposition Dependent Ion Transport in Doped Conjugated Polymer Films: Insights for Creating High-Performance Electrochemical Devices. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700873	4.6	17
44	Orientation Control of Selected Organic Semiconductor Crystals Achieved by Monolayer Graphene Templates. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600621	4.6	14
43	Multimodal Smart Eyewear for Longitudinal Eye Movement Tracking. <i>Matter</i> , 2020 , 3, 1275-1293	12.7	14
42	ITO-Free Transparent Organic Solar Cell with Distributed Bragg Reflector for Solar Harvesting Windows. <i>Energies</i> , 2017 , 10, 707	3.1	12
41	Wash-stable, oxidation resistant conductive cotton electrodes for wearable electronics.. <i>RSC Advances</i> , 2019 , 9, 9198-9203	3.7	11
40	Vapor-Coated Monofilament Fibers for Embroidered Electrochemical Transistor Arrays on Fabrics. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800271	6.4	11
39	On-site identification of ozone damage in fruiting plants using vapor-deposited conducting polymer tattoos. <i>Science Advances</i> , 2020 , 6,	14.3	10
38	Fabric as a Sensor 2018 ,		10
37	Triplet exciton dissociation and electron extraction in graphene-templated pentacene observed with ultrafast spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 4809-4820	3.6	9
36	Observing electron extraction by monolayer graphene using time-resolved surface photoresponse measurements. <i>ACS Nano</i> , 2015 , 9, 2510-7	16.7	9
35	The Future of Smart Textiles: User Interfaces and Health Monitors. <i>Matter</i> , 2020 , 2, 794-795	12.7	9

34	Subwavelength nanopatterning of photochromic diarylethene films. <i>Applied Physics Letters</i> , 2012 , 100, 183103	3.4	8
33	An Aqueous Eutectic Electrolyte for Low-Cost, Safe Energy Storage with an Operational Temperature Range of 150 °C, from 70 to 80°C. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 246-251	3.8	8
32	Reverse-absorbance-modulation-optical lithography for optical nanopatterning at low light levels. <i>AIP Advances</i> , 2016 , 6, 065312	1.5	8
31	Using the Surface Features of Plant Matter to Create All-Polymer Pseudocapacitors with High Areal Capacitance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38574-38580	9.5	8
30	PressION: An All-Fabric Piezoionic Pressure Sensor for Extracting Physiological Metrics in Both Static and Dynamic Contexts. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 017515	3.9	7
29	Synthesis and Properties of Dithiocarbamate-Linked Acenes. <i>Organic Letters</i> , 2017 , 19, 210-213	6.2	6
28	Improved photovoltaic response of a near-infrared sensitive solar cell by a morphology-controlling seed layer. <i>Organic Electronics</i> , 2016 , 33, 135-141	3.5	6
27	A comprehensive simulation model of the performance of photochromic films in absorbance-modulation-optical-lithography. <i>AIP Advances</i> , 2016 , 6, 035210	1.5	6
26	Fluoropolymer-Wrapped Conductive Threads for Textile Touch Sensors Operating via the Triboelectric Effect. <i>Fibers</i> , 2018 , 6, 41	3.7	6
25	Real-time and noninvasive detection of UV-Induced deep tissue damage using electrical tattoos. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111909	11.8	5
24	A Strategy for Accessing Nanobody-Based Electrochemical Sensors for Analyte Detection in Complex Media		5
23	Anomalous Paramagnetism in Closed-Shell Molecular Semiconductors. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24929-24935	3.8	4
22	Nanopatterning of diarylethene films via selective dissolution of one photoisomer. <i>Applied Physics Letters</i> , 2013 , 103, 173112	3.4	4
21	Enabling Longitudinal Respiration Monitoring Using Vapor-Coated Conducting Textiles. <i>ACS Omega</i> , 2021 , 6, 31869-31875	3.9	4
20	Origin of high open-circuit voltage in a planar heterojunction solar cell containing a non-fullerene acceptor. <i>Applied Physics Letters</i> , 2017 , 111, 133901	3.4	3
19	Restricting the Torsion Angle Has Stereoelectronic Consequences on a Scissile Bond: An Electronic Structure Analysis. <i>Biochemistry</i> , 2015 , 54, 5748-56	3.2	3
18	Reactive Vapor Deposition of Conjugated Polymer Films on Arbitrary Substrates. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3
17	Immobilization of Nanobodies with Vapor-Deposited Polymer Encapsulation for Robust Biosensors. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2561-2567	4.3	3

16	A vapor printed electron-accepting conjugated polymer for textile optoelectronics. <i>Synthetic Metals</i> , 2019 , 250, 1-6	3.6	2
15	PhyMask: Robust Sensing of Brain Activity and Physiological Signals During Sleep with an All-textile Eye Mask. <i>ACM Transactions on Computing for Healthcare</i> ,	2.6	2
14	Oxidant aggregate-induced porosity in vapour-deposited polymer films and correlated impact on electrochemical properties. <i>Supramolecular Chemistry</i> , 2019 , 31, 491-498	1.8	1
13	Self-discharge characteristics of vapor deposited polymer electrodes in an all-textile supercapacitor. <i>Synthetic Metals</i> , 2020 , 268, 116483	3.6	1
12	Structure Property Relationships for Exciton Transfer in Conjugated Polymers 2011 , 271-310		1
11	Sustainable polymer materials for flexible light control and thermal management. <i>Journal of Polymer Science</i> ,	2.4	1
10	Phyjama. <i>GetMobile (New York, N Y)</i> , 2020 , 24, 33-37	0.8	1
9	1D nanowires of non-centrosymmetric molecular semiconductors grown by physical vapor deposition. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 110-116	4.6	1
8	Large-Area Heteroepitaxial Nanostructuring of Molecular Semiconductor Films for Enhanced Optoelectronic Response in Flexible Electronics. <i>Advanced Functional Materials</i> , 2113085	15.6	1
7	Perspective Longitudinal Sleep Monitoring for All: Payoffs, Challenges and Outlook		1
6	Solvent-Free Reactive Vapor Deposition for Functional Fabrics: Separating Oil/Water Mixtures with Fabrics. <i>Fibers</i> , 2019 , 7, 2	3.7	0
5	Biosensor Encapsulation via Photoinitiated Chemical Vapor Deposition (piCVD). <i>Journal of the Electrochemical Society</i> , 2021 , 168, 077518	3.9	0
4	Broadband-absorbing polycyclic aromatic hydrocarbon composite films on topologically complex substrates. <i>Organic Electronics</i> , 2020 , 85, 105862	3.5	
3	(Invited) Immobilization of Nanobodies with Vapor-Deposited Polymer Encapsulation for Robust Biosensors. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-02, 1645-1645	0	
2	Guaiazulene revisited: a new material for green-processed optoelectronics. <i>Polymer Chemistry</i> , 2020 , 11, 7656-7661	4.9	
1	Garment-integrated thermoelectric generator arrays for wearable body heat harvesting. <i>Flexible and Printed Electronics</i> , 2021 , 6, 044006	3.1	