Trisha L Andrew

List of Publications by Year in Descending Order

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	(Invited) Immobilization of Nanobodies with Vapor-Deposited Polymer Encapsulation for Robust Biosensors. *ECS Meeting Abstracts*, **2021**, MA2021-02, 1645-1645	0	
68	Enabling Longitudinal Respiration Monitoring Using Vapor-Coated Conducting Textiles. *ACS Omega* , **2021**, 6, 31869-31875	3.9	4
67	An Aqueous Eutectic Electrolyte for Low-Cost, Safe Energy Storage with an Operational Temperature Range of 150 °C, from −70 to 80 °C. *Journal of Physical Chemistry C*, **2021**, 125, 246-251	3.8	8
66	Immobilization of Nanobodies with Vapor-Deposited Polymer Encapsulation for Robust Biosensors. *ACS Applied Polymer Materials*, **2021**, 3, 2561-2567	4.3	3
65	Biosensor Encapsulation via Photoinitiated Chemical Vapor Deposition (piCVD). *Journal of the Electrochemical Society*, **2021**, 168, 077518	3.9	0
64	PressION: An All-Fabric Piezoionic Pressure Sensor for Extracting Physiological Metrics in Both Static and Dynamic Contexts. *Journal of the Electrochemical Society*, **2021**, 168, 017515	3.9	7
63	Garment-integrated thermoelectric generator arrays for wearable body heat harvesting. *Flexible and Printed Electronics*, **2021**, 6, 044006	3.1	
62	Broadband-absorbing polycyclic aromatic hydrocarbon composite films on topologically complex substrates. *Organic Electronics*, **2020**, 85, 105862	3.5	
61	Self-discharge characteristics of vapor deposited polymer electrodes in an all-textile supercapacitor. *Synthetic Metals*, **2020**, 268, 116483	3.6	1
60	Perspective—Challenges in Developing Wearable Electrochemical Sensors for Longitudinal Health Monitoring. *Journal of the Electrochemical Society*, **2020**, 167, 037542	3.9	23
59	The Future of Smart Textiles: User Interfaces and Health Monitors. *Matter*, **2020**, 2, 794-795	12.7	9
58	Phyjama. *GetMobile (New York, N Y)*, **2020**, 24, 33-37	0.8	1
57	1D nanowires of non-centrosymmetric molecular semiconductors grown by physical vapor deposition. *Molecular Systems Design and Engineering*, **2020**, 5, 110-116	4.6	1
56	Wearable Sensors for Monitoring Human Motion: A Review on Mechanisms, Materials, and Challenges. *SLAS Technology*, **2020**, 25, 9-24	3	36
55	Real-time and noninvasive detection of UV-Induced deep tissue damage using electrical tattoos. *Biosensors and Bioelectronics*, **2020**, 150, 111909	11.8	5
54	Guaiazulene revisited: a new material for green-processed optoelectronics. *Polymer Chemistry*, **2020**, 11, 7656-7661	4.9	
53	Multimodal Smart Eyewear for Longitudinal Eye Movement Tracking. *Matter*, **2020**, 3, 1275-1293	12.7	14

52	On-site identification of ozone damage in fruiting plants using vapor-deposited conducting polymer tattoos. *Science Advances*, **2020**, 6,	14.3	10
51	Phyjama **2019**, 3, 1-29		19
50	A Wearable All-Fabric Thermoelectric Generator. *Advanced Materials Technologies*, **2019**, 4, 1800615	6.8	66
49	A critical review of reactive vapor deposition for conjugated polymer synthesis. *Journal of Materials Chemistry C*, **2019**, 7, 7159-7174	7.1	27
48	Oxidant aggregate-induced porosity in vapour-deposited polymer films and correlated impact on electrochemical properties. *Supramolecular Chemistry*, **2019**, 31, 491-498	1.8	1
47	Solvent-Free Reactive Vapor Deposition for Functional Fabrics: Separating Oil□Water Mixtures with Fabrics. *Fibers*, **2019**, 7, 2	3.7	0
46	Wash-stable, oxidation resistant conductive cotton electrodes for wearable electronics.. *RSC Advances*, **2019**, 9, 9198-9203	3.7	11
45	Vapor-printed polymer electrodes for long-term, on-demand health monitoring. *Science Advances*, **2019**, 5, eaaw0463	14.3	38
44	A vapor printed electron-accepting conjugated polymer for textile optoelectronics. *Synthetic Metals*, **2019**, 250, 1-6	3.6	2
43	Melding Vapor-Phase Organic Chemistry and Textile Manufacturing To Produce Wearable Electronics. *Accounts of Chemical Research*, **2018**, 51, 850-859	24.3	48
42	Reactive Vapor Deposition of Conjugated Polymer Films on Arbitrary Substrates. *Journal of Visualized Experiments*, **2018**,	1.6	3
41	Fabric as a Sensor **2018**,		10
40	Fluoropolymer-Wrapped Conductive Threads for Textile Touch Sensors Operating via the Triboelectric Effect. *Fibers*, **2018**, 6, 41	3.7	6
39	High Energy Density, Super-Deformable, Garment-Integrated Microsupercapacitors for Powering Wearable Electronics. *ACS Applied Materials & Interfaces*, **2018**, 10, 36834-36840	9.5	25
38	Using the Surface Features of Plant Matter to Create All-Polymer Pseudocapacitors with High Areal Capacitance. *ACS Applied Materials & Interfaces*, **2018**, 10, 38574-38580	9.5	8
37	Vapor-Coated Monofilament Fibers for Embroidered Electrochemical Transistor Arrays on Fabrics. *Advanced Electronic Materials*, **2018**, 4, 1800271	6.4	11
36	Triplet exciton dissociation and electron extraction in graphene-templated pentacene observed with ultrafast spectroscopy. *Physical Chemistry Chemical Physics*, **2017**, 19, 4809-4820	3.6	9
35	Vapor phase organic chemistry to deposit conjugated polymer films on arbitrary substrates. *Journal of Materials Chemistry C*, **2017**, 5, 5787-5796	7.1	32

34	Rugged Textile Electrodes for Wearable Devices Obtained by Vapor Coating Off-the-Shelf, Plain-Woven Fabrics. *Advanced Functional Materials*, **2017**, 27, 1700415	15.6	56
33	Integrating a Semitransparent, Fullerene-Free Organic Solar Cell in Tandem with a BiVO Photoanode for Unassisted Solar Water Splitting. *ACS Applied Materials & Interfaces*, **2017**, 9, 22449-22455	9.5	21
32	Towards seamlessly-integrated textile electronics: methods to coat fabrics and fibers with conducting polymers for electronic applications. *Chemical Communications*, **2017**, 53, 7182-7193	5.8	86
31	Synthesis and Properties of Dithiocarbamate-Linked Acenes. *Organic Letters*, **2017**, 19, 210-213	6.2	6
30	Anomalous Paramagnetism in Closed-Shell Molecular Semiconductors. *Journal of Physical Chemistry C*, **2017**, 121, 24929-24935	3.8	4
29	Origin of high open-circuit voltage in a planar heterojunction solar cell containing a non-fullerene acceptor. *Applied Physics Letters*, **2017**, 111, 133901	3.4	3
28	Deposition Dependent Ion Transport in Doped Conjugated Polymer Films: Insights for Creating High-Performance Electrochemical Devices. *Advanced Materials Interfaces*, **2017**, 4, 1700873	4.6	17
27	ITO-Free Transparent Organic Solar Cell with Distributed Bragg Reflector for Solar Harvesting Windows. *Energies*, **2017**, 10, 707	3.1	12
26	Transforming Commercial Textiles and Threads into Sewable and Weavable Electric Heaters. *ACS Applied Materials & Interfaces*, **2017**, 9, 32299-32307	9.5	88
25	All-Textile Triboelectric Generator Compatible with Traditional Textile Process. *Advanced Materials Technologies*, **2016**, 1, 1600147	6.8	59
24	Orientation Control of Selected Organic Semiconductor Crystals Achieved by Monolayer Graphene Templates. *Advanced Materials Interfaces*, **2016**, 3, 1600621	4.6	14
23	Improved photovoltaic response of a near-infrared sensitive solar cell by a morphology-controlling seed layer. *Organic Electronics*, **2016**, 33, 135-141	3.5	6
22	A comprehensive simulation model of the performance of photochromic films in absorbance-modulation-optical-lithography. *AIP Advances*, **2016**, 6, 035210	1.5	6
21	Reverse-absorbance-modulation-optical lithography for optical nanopatterning at low light levels. *AIP Advances*, **2016**, 6, 065312	1.5	8
20	Observing electron extraction by monolayer graphene using time-resolved surface photoresponse measurements. *ACS Nano*, **2015**, 9, 2510-7	16.7	9
19	Restricting the Torsion Angle Has Stereoelectronic Consequences on a Scissile Bond: An Electronic Structure Analysis. *Biochemistry*, **2015**, 54, 5748-56	3.2	3
18	High open-circuit voltage, high fill factor single-junction organic solar cells. *Applied Physics Letters*, **2014**, 105, 083304	3.4	21
17	Effect of synthetic accessibility on the commercial viability of organic photovoltaics. *Energy and Environmental Science*, **2013**, 6, 711	35.4	237

16	Nanopatterning of diarylethene films via selective dissolution of one photoisomer. *Applied Physics Letters*, **2013**, 103, 173112	3.4	4
15	Improving the performance of P3HT-fullerene solar cells with side-chain-functionalized poly(thiophene) additives: a new paradigm for polymer design. *ACS Nano*, **2012**, 6, 3044-56	16.7	115
14	Subwavelength nanopatterning of photochromic diarylethene films. *Applied Physics Letters*, **2012**, 100, 183103	3.4	8
13	Structure Property Relationships for Exciton Transfer in Conjugated Polymers **2011**, 271-310		1
12	Detection of explosives via photolytic cleavage of nitroesters and nitramines. *Journal of Organic Chemistry*, **2011**, 76, 2976-93	4.2	58
11	Thermally-Polymerized Rylene Nanoparticles. *Macromolecules*, **2011**, 44, 2276-2281	5.5	19
10	Structure Property relationships for exciton transfer in conjugated polymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2011**, 49, 476-498	2.6	74
9	Synthesis, reactivity, and electronic properties of 6,6-dicyanofulvenes. *Organic Letters*, **2010**, 12, 5302-5	6.2	55
8	Photoluminescent energy transfer from poly(phenyleneethynylene)s to near-infrared emitting fluorophores. *Journal of Polymer Science Part A*, **2010**, 48, 3382-3391	2.5	21
7	Confining light to deep subwavelength dimensions to enable optical nanopatterning. *Science*, **2009**, 324, 917-21	33.3	172
6	A fluorescence turn-on mechanism to detect high explosives RDX and PETN. *Journal of the American Chemical Society*, **2007**, 129, 7254-5	16.4	193
5	Sustainable polymer materials for flexible light control and thermal management. *Journal of Polymer Science*,	2.4	1
4	Large-Area Heteroepitaxial Nanostructuring of Molecular Semiconductor Films for Enhanced Optoelectronic Response in Flexible Electronics. *Advanced Functional Materials*,2113085	15.6	1
3	Perspective Longitudinal Sleep Monitoring for All: Payoffs, Challenges and Outlook		1
2	A Strategy for Accessing Nanobody-Based Electrochemical Sensors for Analyte Detection in Complex Media		5
1	PhyMask: Robust Sensing of Brain Activity and Physiological Signals During Sleep with an All-textile Eye Mask. *ACM Transactions on Computing for Healthcare*,	2.6	2