

Ethan B Secor

List of Publications by Year in descending order

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43
papers

4,082
citations

218381

26
h-index

276539

41
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43
all docs

43
docs citations

43
times ranked

6070
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and electrical properties of high-speed flexography-printed graphene. <i>Mikrochimica Acta</i> , 2022, 189, 123.	2.5	9
2	Modular motion control software development to support a versatile, low-cost aerosol jet platform for printed electronics. <i>Additive Manufacturing</i> , 2021, 40, 101932.	1.7	0
3	Light scattering measurements to support real-time monitoring and closed-loop control of aerosol jet printing. <i>Additive Manufacturing</i> , 2021, 44, 102028.	1.7	8
4	Printed microfluidic sweat sensing platform for cortisol and glucose detection. <i>Lab on A Chip</i> , 2021, 22, 156-169.	3.1	37
5	Real-time Optical Process Monitoring for Structure and Property Control of Aerosol Jet Printed Functional Materials. <i>Advanced Materials Technologies</i> , 2020, 5, 2000781.	3.0	19
6	An Inkjet Printing Technique for Scalable Microfabrication of Graphene-Based Sensor Components. <i>IEEE Access</i> , 2020, 8, 79338-79346.	2.6	5
7	Investigating Porous Media for Relief Printing Using Micro-architected Materials. <i>Advanced Engineering Materials</i> , 2020, 22, 2000548.	1.6	2
8	Aerosol-Jet-Printed Graphene Immunosensor for Label-Free Cytokine Monitoring in Serum. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8592-8603.	4.0	87
9	Understanding and mitigating process drift in aerosol jet printing. <i>Flexible and Printed Electronics</i> , 2020, 5, 015009.	1.5	16
10	Understanding effects of printhead geometry in aerosol jet printing. <i>Flexible and Printed Electronics</i> , 2020, 5, 035004.	1.5	19
11	Fully Inkjet-Printed, Mechanically Flexible MoS ₂ Nanosheet Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5675-5681.	4.0	100
12	2D printing of graphene: a review. <i>2D Materials</i> , 2019, 6, 042004.	2.0	49
13	Freestanding Ion Gels for Flexible, Printed, Multifunctional Microsupercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9947-9954.	4.0	27
14	Direct Printing of Graphene Electrodes for High-Performance Organic Inverters. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15988-15995.	4.0	14
15	Wiring up Liquid Metal: Stable and Robust Electrical Contacts Enabled by Printable Graphene Inks. <i>Advanced Electronic Materials</i> , 2018, 4, 1700483.	2.6	39
16	Tailoring the Porosity and Microstructure of Printed Graphene Electrodes via Polymer Phase Inversion. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13745-13750.	1.5	20
17	Guided ink and process design for aerosol jet printing based on annular drying effects. <i>Flexible and Printed Electronics</i> , 2018, 3, 035007.	1.5	37
18	White Paper: Printable graphene inks stabilized with cellulosic polymers. <i>MRS Bulletin</i> , 2018, 43, 730-733.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Capacitively Coupled Hybrid Ion Gel and Carbon Nanotube Thin-Film Transistors for Low Voltage Flexible Logic Circuits. <i>Advanced Functional Materials</i> , 2018, 28, 1802610.	7.8	37
20	Principles of aerosol jet printing. <i>Flexible and Printed Electronics</i> , 2018, 3, 035002.	1.5	179
21	Self-aligned capillarity-assisted printing of top-gate thin-film transistors on plastic. <i>Flexible and Printed Electronics</i> , 2018, 3, 035004.	1.5	13
22	Transfer Printing of Sub-5 μ m Graphene Electrodes for Flexible Microsupercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22303-22310.	4.0	34
23	Enhanced Conductivity, Adhesion, and Environmental Stability of Printed Graphene Inks with Nitrocellulose. <i>Chemistry of Materials</i> , 2017, 29, 2332-2340.	3.2	134
24	Comprehensive Enhancement of Nanostructured Lithium-Ion Battery Cathode Materials via Conformal Graphene Dispersion. <i>Nano Letters</i> , 2017, 17, 2539-2546.	4.5	81
25	An inkjet printed piezoresistive back-to-back graphene tactile sensor for endosurgical palpation applications. , 2017, , .		6
26	Scalable, Self-Aligned Printing of Flexible Graphene Micro-Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1700285.	10.2	167
27	Combustion-Assisted Photonic Annealing of Printable Graphene Inks via Exothermic Binders. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29418-29423.	4.0	59
28	Millisecond-pulsed photonic-annealed tin oxide electron transport layers for efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24110-24115.	5.2	41
29	High-Resolution Transfer Printing of Graphene Lines for Fully Printed, Flexible Electronics. <i>ACS Nano</i> , 2017, 11, 7431-7439.	7.3	116
30	Graphene Ink as a Conductive Templating Interlayer for Enhanced Charge Transport of C ₆₀ -Based Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29594-29599.	4.0	4
31	High-Performance Solid-State Supercapacitors and Microsupercapacitors Derived from Printable Graphene Inks. <i>Advanced Energy Materials</i> , 2016, 6, 1600909.	10.2	139
32	High-Performance Inkjet-Printed Indium-Gallium-Zinc-Oxide Transistors Enabled by Embedded, Chemically Stable Graphene Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17428-17434.	4.0	62
33	Rapid and Versatile Photonic Annealing of Graphene Inks for Flexible Printed Electronics. <i>Advanced Materials</i> , 2015, 27, 6683-6688.	11.1	258
34	Emerging Carbon and Post-Carbon Nanomaterial Inks for Printed Electronics. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 620-626.	2.1	122
35	Three-Dimensional Printing of High-Content Graphene Scaffolds for Electronic and Biomedical Applications. <i>ACS Nano</i> , 2015, 9, 4636-4648.	7.3	609
36	All-Printed, Foldable Organic Thin-Film Transistors on Glassine Paper. <i>Advanced Materials</i> , 2015, 27, 7058-7064.	11.1	133

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37	High-Resolution Patterning of Graphene by Screen Printing with a Silicon Stencil for Highly Flexible Printed Electronics. <i>Advanced Materials</i> , 2015, 27, 109-115.	11.1	430
38	Gravure Printing of Graphene for Large-Area Flexible Electronics. <i>Advanced Materials</i> , 2014, 26, 4533-4538.	11.1	298
39	Pulsed sonication for alumina coatings on high-capacity oxides: Performance in lithium-ion cells. <i>Journal of Power Sources</i> , 2014, 258, 46-53.	4.0	21
40	Inkjet Printing of High Conductivity, Flexible Graphene Patterns. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1347-1351.	2.1	573
41	Double-slit interference effect in electron emission from H_2 to x-ray radiation. <i>Physical Review A</i> , 2012, 85, ...	1.0	23
42	Diffraction patterns in the ionization of the heteronuclear HeH^+ ion by attosecond x-ray radiation. <i>Physical Review A</i> , 2012, 86, ...	1.0	12
43	Multiphoton ionization of H_2 in xuv laser pulses. <i>Physical Review A</i> , 2011, 84, ...	1.0	35