

Drew Evans

List of Publications by Year in descending order

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81
papers

3,858
citations

257450

24
h-index

123424

61
g-index

82
all docs

82
docs citations

82
times ranked

4755
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in the aqueous applications of PEDOT. <i>Nanoscale Advances</i> , 2022, 4, 733-741.	4.6	5
2	Understanding PEDOT doped with tosylate. <i>Chemical Communications</i> , 2022, 58, 4553-4560.	4.1	12
3	Oxygenation of conducting polymers facilitated by structure-breaking anions. <i>Journal of Polymer Science</i> , 2021, 59, 745-753.	3.8	4
4	Electrochemical stability of PEDOT for wearable on-skin application. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51314.	2.6	8
5	Conducting polymers in wearable devices. <i>Medical Devices & Sensors</i> , 2021, 4, e10160.	2.7	20
6	A Fibre-Optic Platform for Sensing Nitrate Using Conducting Polymers. <i>Sensors</i> , 2021, 21, 138.	3.8	7
7	The switch is on. <i>Nature Nanotechnology</i> , 2020, 15, 7-8.	31.5	5
8	Modulation of substrate van der Waals forces using varying thicknesses of polymer overlayers. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 690-699.	9.4	4
9	Hydrolysis of doped conducting polymers. <i>Communications Chemistry</i> , 2020, 3, .	4.5	19
10	Structuring PEDOT Hollow Nanosphere Electrodes for High Specific Energy Li-Metal Polymer Thin-Film Batteries. <i>ACS Applied Nano Materials</i> , 2020, 3, 3820-3828.	5.0	5
11	Interfacial Forces at Layered Surfaces: Substrate Electrical Double-Layer Forces Acting through Ultrathin Polymer Coatings. <i>Langmuir</i> , 2019, 35, 11679-11689.	3.5	5
12	Charge Transport in Nonstoichiometric 2-Fluoropyridinium Triflate Protic Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23427-23432.	3.1	7
13	Chemically Heterogeneous Nanowrinkling of Polymer Surfaces Induced by Low-Energy Cluster Implantation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13330-13336.	3.1	3
14	Plasma gas aggregation cluster source: Influence of gas inlet configuration and total surface area on the heterogeneous aggregation of silicon clusters. <i>Surface and Coatings Technology</i> , 2019, 364, 1-6.	4.8	2
15	Recent advances in ion sensing with conducting polymers. <i>BMC Materials</i> , 2019, 1, .	6.8	9
16	Structural Control of Charge Storage Capacity to Achieve 100% Doping in Vapor Phase-Polymerized PEDOT/Tosylate. <i>ACS Omega</i> , 2019, 4, 21818-21826.	3.5	10
17	Relationship between structure/properties of vapour deposited PEDOT and sensitivity to passive nitrate doping. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 582-587.	7.8	10
18	Metallic Adhesive Layers for Ag-Based First Surface Mirrors. <i>Advanced Engineering Materials</i> , 2018, 20, 1800106.	3.5	9

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19	A bird's eye view of the synthesis and practical application of conducting polymers. <i>Polymer International</i> , 2018, 67, 351-355.	3.1	9
20	Poly(ionic liquid) ionogels for all-solid rechargeable zinc/PEDOT batteries. <i>Electrochimica Acta</i> , 2018, 278, 271-278.	5.2	47
21	3-Dimensionally ordered macroporous PEDOT ion-exchange resins prepared by vapor phase polymerization for triggered drug delivery: Fabrication and characterization. <i>Electrochimica Acta</i> , 2018, 269, 560-570.	5.2	17
22	Charge transport and structure in semimetallic polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 97-104.	2.1	53
23	Inorganic Thin Film Deposition and Application on Organic Polymer Substrates. <i>Advanced Engineering Materials</i> , 2018, 20, 1700868.	3.5	29
24	Influence of Postsynthesis Heat Treatment on Vapor-Phase-Polymerized Conductive Polymers. <i>ACS Omega</i> , 2018, 3, 12679-12687.	3.5	9
25	Diffusion controlled vapour deposition of mixed doped PEDOT. <i>Synthetic Metals</i> , 2018, 242, 61-66.	3.9	6
26	Recent advances in the synthesis of conducting polymers from the vapour phase. <i>Progress in Materials Science</i> , 2017, 86, 127-146.	32.8	115
27	Post-polymerization surface segregation in thin PECVD siloxane films leading to a self-regenerative effect. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600233.	3.0	7
28	Degradation and Gelation during Plasma Synthesis of Nanoparticles in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6349-6356.	3.1	2
29	Macroscopic Electrical Wires from Vapor Deposited Poly(3,4-ethylenedioxythiophene). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 65-70.	8.0	12
30	Chemical seeding via propanol plasma pretreatment for improving adhesion and properties of PECVD siloxane coatings on polymers. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600106.	3.0	4
31	Selective uptake and sensing of nitrate in poly(3,4-ethylenedioxythiophene). <i>Scientific Reports</i> , 2017, 7, 16581.	3.3	27
32	Decoupling the effects of confinement and passivation on semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19765-19772.	2.8	5
33	Stable Deep Doping of Vapor-Phase Polymerized Poly(3,4-ethylenedioxythiophene)/Ionic Liquid Supercapacitors. <i>ChemSusChem</i> , 2016, 9, 2112-2121.	6.8	30
34	The effect of block copolymer additives for a highly active polymeric metal-free oxygen reduction electrode. <i>RSC Advances</i> , 2016, 6, 28809-28814.	3.6	9
35	Unusual Nature of Fingerprints and the Implications for Easy-to-Clean Coatings. <i>Langmuir</i> , 2016, 32, 619-625.	3.5	10
36	Patterning and Conductivity Modulation of Conductive Polymers by UV Light Exposure. <i>Advanced Functional Materials</i> , 2016, 26, 6950-6960.	14.9	31

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37	Influence of post-deposition moisture uptake in polycarbonate on thin film's residual stress short term evolution. <i>Surface and Coatings Technology</i> , 2016, 294, 210-214.	4.8	9
38	Organic energy devices from ionic liquids and conducting polymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1550-1556.	5.5	15
39	Hydrophilic Organic Electrodes on Flexible Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 974-982.	8.0	23
40	Packing density/surface morphology relationship in thin sputtered chromium films. <i>Surface and Coatings Technology</i> , 2016, 291, 286-291.	4.8	10
41	Diffuse color patterning using blended electrochromic polymers for proof-of-concept adaptive camouflage plaques. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	19
42	Market evaluation, performance modelling and materials solution addressing short wavelength discomfort glare in rear view automotive mirrors. <i>Translational Materials Research</i> , 2015, 2, 035002.	1.2	6
43	Observation of electron transfer between bacteria and high conductivity graphene/PEDOT composites. <i>RSC Advances</i> , 2015, 5, 45642-45645.	3.6	10
44	Significant Electronic Thermal Transport in the Conducting Polymer Poly(3,4-ethylenedioxythiophene). <i>Advanced Materials</i> , 2015, 27, 2101-2106.	21.0	176
45	Effect of oxidant on the performance of conductive polymer films prepared by vacuum vapor phase polymerization for smart window applications. <i>Smart Materials and Structures</i> , 2015, 24, 035016.	3.5	24
46	One-Step Fabrication of Nanocomposite Thin Films of PTFE in SiO ₂ for Repelling Water. <i>Advanced Engineering Materials</i> , 2015, 17, 474-482.	3.5	13
47	Mesoporous Siloxane Films Through Thermal Oxidation of Siloxane-Carbon Nanocomposites. <i>Advanced Engineering Materials</i> , 2015, 17, 1547-1555.	3.5	5
48	Acido-basic control of the thermoelectric properties of poly(3,4-ethylenedioxythiophene)tosylate (PEDOT-Tos) thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10616-10623.	5.5	147
49	Aqueous processing of graphene-polymer hybrid thin film nano-composites and gels. <i>Advances in Colloid and Interface Science</i> , 2014, 209, 196-203.	14.7	13
50	Semi-metallic polymers. <i>Nature Materials</i> , 2014, 13, 190-194.	27.5	722
51	Enhancing the morphology and electrochromic stability of polypyrrole via PEG-PPG-PEG templating in vapour phase polymerisation. <i>European Polymer Journal</i> , 2014, 51, 28-36.	5.4	18
52	Condensation and freezing of droplets on superhydrophobic surfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 210, 47-57.	14.7	223
53	Metal-free oxygen reduction electrodes based on thin PEDOT films with high electrocatalytic activity. <i>RSC Advances</i> , 2014, 4, 9819.	3.6	34
54	Surface Force Measurements between Titanium Dioxide Surfaces Prepared by Atomic Layer Deposition in Electrolyte Solutions Reveal Non-DLVO Interactions: Influence of Water and Argon Plasma Cleaning. <i>Langmuir</i> , 2014, 30, 2093-2100.	3.5	11

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55	Evidence for "bottom up"™ growth during vapor phase polymerization of conducting polymers. <i>Polymer</i> , 2014, 55, 3458-3460.	3.8	32
56	Vapor Phase Synthesis of Conducting Polymer Nanocomposites Incorporating 2D Nanoparticles. <i>Chemistry of Materials</i> , 2014, 26, 4207-4213.	6.7	26
57	Nanoporous Glass Films on Liquids. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 507-512.	8.0	9
58	Laser Actuation of Cantilevers for Picometre Amplitude Dynamic Force Microscopy. <i>Scientific Reports</i> , 2014, 4, 5567.	3.3	25
59	Corrosion resistance of robust optical and electrical thin film coatings on polymeric substrates. <i>Corrosion Science</i> , 2013, 69, 406-411.	6.6	14
60	Enhanced abrasion resistance of ultrathin reflective coatings on polymeric substrates: An improvement upon glass substrates. <i>Wear</i> , 2013, 297, 986-991.	3.1	11
61	Extending the Utility of Conducting Polymers through Chemisorption of Nucleophiles. <i>Chemistry of Materials</i> , 2013, 25, 1837-1841.	6.7	18
62	Inkjet printing and vapor phase polymerization: patterned conductive PEDOT for electronic applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3353.	5.5	56
63	Ultrathin Polymer Films for Transparent Electrode Applications Prepared by Controlled Nucleation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11654-11660.	8.0	43
64	Large Area Nanostructured Arrays: Optical Properties of Metallic Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3937-3942.	8.0	1
65	Growth of Sputtered Nanocomposite Alloys on Polymeric Substrates: The Role of the Substrate's Mechanical Hardness. <i>Advanced Engineering Materials</i> , 2013, 15, 1076-1081.	3.5	5
66	Structure-directed growth of high conductivity PEDOT from liquid-like oxidant layers during vacuum vapor phase polymerization. <i>Journal of Materials Chemistry</i> , 2012, 22, 14889.	6.7	84
67	Polymeric Material with Metal-Like Conductivity for Next Generation Organic Electronic Devices. <i>Chemistry of Materials</i> , 2012, 24, 3998-4003.	6.7	224
68	Anderson-like localization in ultrathin nanocomposite alloy films on polymeric substrates. <i>Scripta Materialia</i> , 2012, 67, 866-869.	5.2	2
69	Orbital hybridization, crystal structure and anomalous resistivity of ultrathin CrZr alloy films on polymeric substrates. <i>Scripta Materialia</i> , 2012, 67, 356-359.	5.2	3
70	Atomic structure studies of chrome alloy coatings and their abrasion resistance. <i>Surface and Coatings Technology</i> , 2012, 206, 3645-3649.	4.8	10
71	Ultrathin films of co-sputtered CrZrx alloys on polymeric substrates. <i>Surface and Coatings Technology</i> , 2012, 206, 3733-3738.	4.8	12
72	Vacuum vapour phase polymerization of high conductivity PEDOT: Role of PEG-PPG-PEG, the origin of water, and choice of oxidant. <i>Polymer</i> , 2012, 53, 2146-2151.	3.8	88

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73	Abrasion resistance of thin film coatings as measured by diffuse optical scattering. Surface and Coatings Technology, 2011, 206, 312-317.	4.8	14
74	Adsorption of dispersants at a polyester resin-alkane interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 318-324.	4.7	3
75	Sensing Cantilever Beam Bending by the Optical Lever Technique and Its Application to Surface Stress. Journal of Physical Chemistry B, 2006, 110, 5450-5461.	2.6	36
76	The Origin of Surface Stress Induced by Adsorption of Iodine on Gold. Journal of Physical Chemistry B, 2006, 110, 19507-19514.	2.6	9
77	Physical Properties of Phase-Change Emulsions. Langmuir, 2006, 22, 9538-9545.	3.5	32
78	Experimental Studies of the Dynamic Mechanical Response of a Single Polymer Chain. Macromolecules, 2006, 39, 6180-6185.	4.8	16
79	Boundary slip in Newtonian liquids: a review of experimental studies. Reports on Progress in Physics, 2005, 68, 2859-2897.	20.1	946
80	The effect of surfactant adsorption on liquid boundary slippage. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 60-65.	2.6	38
81	The hydrophobic force: nanobubbles or polymeric contaminant?. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 101-105.	2.6	48