

# Magnus Berggren

## List of Publications by Year in Descending Order

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

339  
papers

21,991  
citations

78  
h-index

138  
g-index

366  
ext. papers

24,670  
ext. citations

10.8  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
339	Towards printable water-in-polymer salt electrolytes for high power organic batteries. <i>Journal of Power Sources</i> , <b>2022</b> , 524, 231103	8.9	4
338	The effect of crosslinking on ion transport in nanocellulose-based membranes.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 278, 118938	10.3	3
337	Synergistic Effect of Multi-Walled Carbon Nanotubes and Ladder-Type Conjugated Polymers on the Performance of N-Type Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2106447	15.6	1
336	Seamless integration of bioelectronic interface in an animal model via polymerization of conjugated oligomers.. <i>Bioactive Materials</i> , <b>2022</b> , 10, 107-116	16.7	5
335	Organic electrochemical neurons and synapses with ion mediated spiking.. <i>Nature Communications</i> , <b>2022</b> , 13, 901	17.4	15
334	Method Matters: Exploring Alkoxysulfonate-Functionalized Poly(3,4-ethylenedioxythiophene) and Its Unintentional Self-Aggregating Copolymer toward Injectable Bioelectronics.. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2752-2763	9.6	0
333	Low-Power/High-Gain Flexible Complementary Circuits Based on Printed Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , <b>2022</b> , 8, 2100907	6.4	5
332	Chronic electrical stimulation of peripheral nerves via deep-red light transduced by an implanted organic photocapacitor.. <i>Nature Biomedical Engineering</i> , <b>2021</b> ,	19	10
331	Biostack: Nontoxic Metabolite Detection from Live Tissue. <i>Advanced Science</i> , <b>2021</b> , 9, e2101711	13.6	3
330	Electrolyte-gated transistors for enhanced performance bioelectronics.. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,		42
329	Influence of Molecular Weight on the Organic Electrochemical Transistor Performance of Ladder-Type Conjugated Polymers. <i>Advanced Materials</i> , <b>2021</b> , e2106235	24	16
328	Biohybrid plants with electronic roots polymerization of conjugated oligomers. <i>Materials Horizons</i> , <b>2021</b> , 8, 3295-3305	14.4	6
327	The Role of Relative Capacitances in Impedance Sensing with Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2001173	6.4	6
326	Controlling pH by electronic ion pumps to fight fibrosis. <i>Applied Materials Today</i> , <b>2021</b> , 22, 100936	6.6	2
325	A high-conductivity n-type polymeric ink for printed electronics. <i>Nature Communications</i> , <b>2021</b> , 12, 2354	17.4	49
324	Targeted Chemotherapy of Glioblastoma Spheroids with an Iontronic Pump. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001302	6.8	5
323	Controlling Electrochemically Induced Volume Changes in Conjugated Polymers by Chemical Design: from Theory to Devices. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100723	15.6	13

322	Formation of Supported Lipid Bilayers Derived from Vesicles of Various Compositional Complexity on Conducting Polymer/Silica Substrates. <i>Langmuir</i> , <b>2021</b> , 37, 5494-5505	4	3
321	A digital nervous system aiming toward personalized IoT healthcare. <i>Scientific Reports</i> , <b>2021</b> , 11, 7757	4.9	5
320	Investigating the role of polymer size on ionic conductivity in free-standing hyperbranched polyelectrolyte membranes. <i>Polymer</i> , <b>2021</b> , 223, 123664	3.9	1
319	Targeted Chemotherapy: Targeted Chemotherapy of Glioblastoma Spheroids with an Iontronic Pump (Adv. Mater. Technol. 5/2021). <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2170026	6.8	
318	Nernst-Planck-Poisson analysis of electrolyte-gated organic field-effect transistors. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 415101	3	6
317	Negatively-Doped Conducting Polymers for Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002664	21.8	10
316	Design and Operation of Hybrid Microfluidic Iontronic Probes for Regulated Drug Delivery. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001006	6.8	1
315	Synthesis and Electronic Properties of Diketopyrrolopyrrole-Based Polymers with and without Ring-Fusion. <i>Macromolecules</i> , <b>2021</b> , 54, 970-980	5.5	11
314	An electronic proton-trapping ion pump for selective drug delivery. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
313	Modelling of heterogeneous ion transport in conducting polymer supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2184-2194	13	12
312	Expanding the understanding of organic electrochemical transistor function. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 053301	3.4	6
311	Autonomous Microcapillary Drug Delivery System Self-Powered by a Flexible Energy Harvester. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100526	6.8	2
310	Tunable Structural Color Images by UV-Patterned Conducting Polymer Nanofilms on Metal Surfaces. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102451	24	14
309	Sensing Inflammation Biomarkers with Electrolyte-Gated Organic Electronic Transistors. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100955	10.1	2
308	Tunable Structural Color Images by UV-Patterned Conducting Polymer Nanofilms on Metal Surfaces (Adv. Mater. 33/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170261	24	3
307	Volumetric Double-Layer Charge Storage in Composites Based on Conducting Polymer PEDOT and Cellulose. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 8629-8640	6.1	3
306	Reflective and transparent cellulose-based passive radiative coolers. <i>Cellulose</i> , <b>2021</b> , 28, 9383-9393	5.5	9
305	Diurnal xylem sap glucose and sucrose monitoring using implantable organic electrochemical transistor sensors. <i>iScience</i> , <b>2021</b> , 24, 101966	6.1	14

304	Organic Microbial Electrochemical Transistor Monitoring Extracellular Electron Transfer. <i>Advanced Science</i> , <b>2020</b> , 7, 2000641	13.6	18
303	Enzyme-assisted in vivo polymerisation of conjugated oligomer based conductors. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 4221-4227	7.3	15
302	Ground-state electron transfer in all-polymer donor-acceptor heterojunctions. <i>Nature Materials</i> , <b>2020</b> , 19, 738-744	27	56
301	All-Solid-State Organic Schmitt Trigger Implemented by Twin Two-in-One Ferroelectric Memory Transistors. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901263	6.4	2
300	Monolithic integration of display driver circuits and displays manufactured by screen printing. <i>Flexible and Printed Electronics</i> , <b>2020</b> , 5, 024001	3.1	11
299	Conjugated Polymers: Reversible Electronic Solid-Gel Switching of a Conjugated Polymer (Adv. Sci. 2/2020). <i>Advanced Science</i> , <b>2020</b> , 7, 2070009	13.6	78
298	Electronic Structures and Optical Properties of p-Type/n-Type Polymer Blends: Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 9203-9214	3.8	2
297	Electrogeneration of Hydrogen Peroxide via Oxygen Reduction on Polyindole Films. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 086502	3.9	4
296	Reversible Electronic Solid-Gel Switching of a Conjugated Polymer. <i>Advanced Science</i> , <b>2020</b> , 7, 1901144	13.6	27
295	Light-sensitive charge storage medium with spironaphthooxazine molecule-polymer blends for dual-functional organic phototransistor memory. <i>Organic Electronics</i> , <b>2020</b> , 78, 105554	3.5	6
294	Solar Heat-Enhanced Energy Conversion in Devices Based on Photosynthetic Membranes and PEDOT:PSS-Nanocellulose Electrodes. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 1900100	5.9	5
293	Miniaturized Ionic Polarization Diodes for Neurotransmitter Release at Synaptic Speeds. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900750	6.8	7
292	Transcranial Electrical Stimulation and Recording of Brain Activity using Freestanding Plant-Based Conducting Polymer Hydrogel Composites. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900652	6.8	13
291	Flexible Printed Organic Electrochemical Transistors for the Detection of Uric Acid in Artificial Wound Exudate. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2001218	4.6	16
290	Highly Conducting Nanographite-Filled Paper Fabricated via Standard Papermaking Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48828-48835	9.5	3
289	Ion-Selective Electrocatalysis on Conducting Polymer Electrodes: Improving the Performance of Redox Flow Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2007009	15.6	7
288	Transparent nanocellulose metamaterial enables controlled optical diffusion and radiative cooling. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11687-11694	7.1	16
287	Spray-coated paper supercapacitors. <i>Npj Flexible Electronics</i> , <b>2020</b> , 4,	10.7	23

286	Effect of Sulfonation Level on Lignin/Carbon Composite Electrodes for Large-Scale Organic Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 17933-17944	8.3	8
285	Thiophene-Based Trimers for In Vivo Electronic Functionalization of Tissues. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 4065-4071	4	11
284	Sequential Doping of Ladder-Type Conjugated Polymers for Thermally Stable n-Type Organic Conductors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53003-53011	9.5	21
283	Side Chain Redistribution as a Strategy to Boost Organic Electrochemical Transistor Performance and Stability. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002748	24	88
282	High yield manufacturing of fully screen-printed organic electrochemical transistors. <i>Npj Flexible Electronics</i> , <b>2020</b> , 4,	10.7	20
281	Doped Conjugated Polymer Enclosing a Redox Polymer: Wiring Polyquinones with Poly(3,4-Ethylenedioxythiophene). <i>Advanced Energy and Sustainability Research</i> , <b>2020</b> , 1, 2000027	1.6	8
280	Real-Time Monitoring of Glucose Export from Isolated Chloroplasts Using an Organic Electrochemical Transistor. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900262	6.8	27
279	Implantable Bioelectronics: Implantable Organic Electronic Ion Pump Enables ABA Hormone Delivery for Control of Stomata in an Intact Tobacco Plant (Small 43/2019). <i>Small</i> , <b>2019</b> , 15, 1970233	11	1
278	Impact of Singly Occupied Molecular Orbital Energy on the n-Doping Efficiency of Benzimidazole Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 37981-37990	9.5	17
277	An Evolvable Organic Electrochemical Transistor for Neuromorphic Applications. <i>Advanced Science</i> , <b>2019</b> , 6, 1801339	13.6	92
276	Exploring Hydrogen Storage in PEDOT: A Computational Study. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 2066-2074	3.8	3
275	Organic Electrochemical Devices: Ion Electron-Coupled Functionality in Materials and Devices Based on Conjugated Polymers (Adv. Mater. 22/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970160	24	1
274	Two-in-One Device with Versatile Compatible Electrical Switching or Data Storage Functions Controlled by the Ferroelectricity of P(VDF-TrFE) via Photocrosslinking. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25358-25368	9.5	7
273	Twinning Lignosulfonate with a Conducting Polymer via Counter-Ion Exchange for Large-Scale Electrical Storage. <i>Advanced Sustainable Systems</i> , <b>2019</b> , 3, 1900039	5.9	12
272	Electronic Structures and Optical Absorption of N-Type Conducting Polymers at Different Doping Levels. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 15467-15476	3.8	18
271	Large-area printed organic electronic ion pumps. <i>Flexible and Printed Electronics</i> , <b>2019</b> , 4, 022001	3.1	8
270	Capillary-Fiber Based Electrophoretic Delivery Device. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14200-14207	9.5	24
269	Overcoming transport limitations in miniaturized electrophoretic delivery devices. <i>Lab on A Chip</i> , <b>2019</b> , 19, 1427-1435	7.2	17

268	Optoelectronic control of single cells using organic photocapacitors. <i>Science Advances</i> , <b>2019</b> , 5, eaav52654.3	54.3	50
267	A Multiparameter Pressure-Temperature-Humidity Sensor Based on Mixed Ionic-Electronic Cellulose Aerogels. <i>Advanced Science</i> , <b>2019</b> , 6, 1802128	13.6	59
266	Greyscale and Paper Electrochromic Polymer Displays by UV Patterning. <i>Polymers</i> , <b>2019</b> , 11,	4.5	13
265	Interfaces in organic electronics. <i>Nature Reviews Materials</i> , <b>2019</b> , 4, 627-650	73.3	129
264	Controlling the Organization of PEDOT:PSS on Cellulose Structures. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 2342-2351	4.3	20
263	Wireless organic electronic ion pumps driven by photovoltaics. <i>Npj Flexible Electronics</i> , <b>2019</b> , 3,	10.7	18
262	Understanding the characteristics of conducting polymer-redox biopolymer supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 23973-23980	13	13
261	Improving the Performance of Paper Supercapacitors Using Redox Molecules from Plants. <i>Advanced Sustainable Systems</i> , <b>2019</b> , 3, 1900050	5.9	12
260	Formation of Monolithic Ion-Selective Transport Media Based on "Click" Cross-Linked Hyperbranched Polyglycerol. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 484	5	4
259	A ferroelectric polymer introduces addressability in electrophoretic display cells. <i>Flexible and Printed Electronics</i> , <b>2019</b> , 4, 035004	3.1	3
258	Modulating Inflammation in Monocytes Using Capillary Fiber Organic Electronic Ion Pumps. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900813	10.1	21
257	Implantable Organic Electronic Ion Pump Enables ABA Hormone Delivery for Control of Stomata in an Intact Tobacco Plant. <i>Small</i> , <b>2019</b> , 15, e1902189	11	21
256	All-printed large-scale integrated circuits based on organic electrochemical transistors. <i>Nature Communications</i> , <b>2019</b> , 10, 5053	17.4	91
255	How conducting polymer electrodes operate. <i>Science</i> , <b>2019</b> , 364, 233-234	33.3	81
254	Electric Transport Properties in PEDOT Thin Films <b>2019</b> , 45-128		9
253	The intrinsic volumetric capacitance of conducting polymers: pseudo-capacitors or double-layer supercapacitors?. <i>RSC Advances</i> , <b>2019</b> , 9, 42498-42508	3.7	31
252	Electrochemical hydrogen production on a metal-free polymer. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 3387-3398	5.8	19
251	PEDOT-Cellulose Gas Diffusion Electrodes for Disposable Fuel Cells. <i>Advanced Sustainable Systems</i> , <b>2019</b> , 3, 1900097	5.9	1

250	Polarons, Bipolarons, And Absorption Spectroscopy of PEDOT. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 83-94	4.3	130
249	An Ionic Capacitor for Integrated Iontronic Circuits. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800494	6.8	12
248	Anisotropic conductivity of Cellulose-PEDOT:PSS composite materials studied with a generic 3D four-point probe tool. <i>Organic Electronics</i> , <b>2019</b> , 66, 258-264	3.5	6
247	Ion Electron-Coupled Functionality in Materials and Devices Based on Conjugated Polymers. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805813	24	77
246	Supercapacitors on demand: all-printed energy storage devices with adaptable design. <i>Flexible and Printed Electronics</i> , <b>2019</b> , 4, 015006	3.1	14
245	Electrocatalytic Production of Hydrogen Peroxide with Poly(3,4-ethylenedioxythiophene) Electrodes. <i>Advanced Sustainable Systems</i> , <b>2019</b> , 3, 1800110	5.9	45
244	Controlling the electrochromic properties of conductive polymers using UV-light. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4663-4670	7.1	22
243	Hybrid Plasmonic and Pyroelectric Harvesting of Light Fluctuations. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701051	8.1	11
242	Organic electrochemical transistors. <i>Nature Reviews Materials</i> , <b>2018</b> , 3,	73.3	716
241	Nanofibrillated Cellulose-Based Electrolyte and Electrode for Paper-Based Supercapacitors. <i>Advanced Sustainable Systems</i> , <b>2018</b> , 2, 1700121	5.9	27
240	Complementary Logic Circuits Based on High-Performance n-Type Organic Electrochemical Transistors. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704916	24	138
239	Iontronics: A Decade of Iontronic Delivery Devices (Adv. Mater. Technol. 5/2018). <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1870018	6.8	2
238	Label free urea biosensor based on organic electrochemical transistors. <i>Flexible and Printed Electronics</i> , <b>2018</b> , 3, 024001	3.1	25
237	Blowin' in the Wind ☞ Source of Energy: Hybrid Plasmonic and Pyroelectric Harvesting of Light Fluctuations (Advanced Optical Materials 11/2018). <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1870043	8.1	
236	Flexible wireless powered drug delivery system for targeted administration on cerebral cortex. <i>Nano Energy</i> , <b>2018</b> , 51, 102-112	17.1	28
235	Boosting the capacity of all-organic paper supercapacitors using wood derivatives. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 145-152	13	66
234	EGOFET Peptide Aptasensor for Label-Free Detection of Inflammatory Cytokines in Complex Fluids. <i>Advanced Biology</i> , <b>2018</b> , 2, 1700072	3.5	44
233	Correlating the Seebeck coefficient of thermoelectric polymer thin films to their charge transport mechanism. <i>Organic Electronics</i> , <b>2018</b> , 52, 335-341	3.5	56

232	PEDOT:PSS-based Multilayer Bacterial-Composite Films for Bioelectronics. <i>Scientific Reports</i> , <b>2018</b> , 8, 15293	4.9	46
231	Micropatterning of organic electronic materials using a facile aqueous photolithographic process. <i>AIP Advances</i> , <b>2018</b> , 8, 105116	1.5	4
230	A Chemically Doped Naphthalenediimide-Bithiazole Polymer for n-Type Organic Thermoelectrics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801898	24	123
229	n-Type organic electrochemical transistors: materials and challenges. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 11778-11784	7.1	80
228	Ionic thermoelectric gating organic transistors. <i>Nature Communications</i> , <b>2017</b> , 8, 14214	17.4	75
227	Ionic Thermoelectric Figure of Merit for Charging of Supercapacitors. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700013	6.4	89
226	Effect of (3-glycidyloxypropyl)trimethoxysilane (GOPS) on the electrical properties of PEDOT:PSS films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 814-820	2.6	112
225	In vivo polymerization and manufacturing of wires and supercapacitors in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2807-2812	11.5	60
224	Oxygen-induced doping on reduced PEDOT. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4404-4412	13	66
223	Regulating plant physiology with organic electronics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 4597-4602	11.5	39
222	Understanding the Capacitance of PEDOT:PSS. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700329	15.6	178
221	Ferroelectric surfaces for cell release. <i>Synthetic Metals</i> , <b>2017</b> , 228, 99-104	3.6	4
220	Infrared electrochromic conducting polymer devices. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5824-5830	9.1	57
219	Surface Acoustic Waves to Drive Plant Transpiration. <i>Scientific Reports</i> , <b>2017</b> , 7, 45864	4.9	6
218	Screen printed digital circuits based on vertical organic electrochemical transistors. <i>Flexible and Printed Electronics</i> , <b>2017</b> , 2, 045008	3.1	24
217	Cross-Linked Polyelectrolyte for Improved Selectivity and Processability of Iontronic Systems. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30247-30252	9.5	15
216	Redox-active conducting polymers modulate biofilm formation by controlling availability of electron acceptors. <i>Npj Biofilms and Microbiomes</i> , <b>2017</b> , 3, 19	8.2	18
215	Morphology of a self-doped conducting oligomer for green energy applications. <i>Nanoscale</i> , <b>2017</b> , 9, 13717-13724	7.7	13724



214	pH Dependence of $\beta$ -Aminobutyric Acid Ionotropic Transport. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 7284-7289	3.4	13
213	Chemical potential-electric double layer coupling in conjugated polymer-polyelectrolyte blends. <i>Science Advances</i> , <b>2017</b> , 3, eaao3659	14.3	77
212	Ionic thermoelectric paper. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16883-16888	13	48
211	Ferroelectric polarization induces electronic nonlinearity in ion-doped conducting polymers. <i>Science Advances</i> , <b>2017</b> , 3, e1700345	14.3	36
210	Electrochemical circuits from $\beta$ -but and stick PEDOT:PSS-nanocellulose composite. <i>Flexible and Printed Electronics</i> , <b>2017</b> , 2, 045010	3.1	12
209	Spectroelectrochemistry and Nature of Charge Carriers in Self-Doped Conducting Polymer. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700096	6.4	25
208	Naphthalenediimide Polymers with Finely Tuned In-Chain $\beta$ -Conjugation: Electronic Structure, Film Microstructure, and Charge Transport Properties. <i>Advanced Materials</i> , <b>2016</b> , 28, 9169-9174	24	49
207	Bioelectronic neural pixel: Chemical stimulation and electrical sensing at the same site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9440-5	11.5	82
206	Biorecognition in Organic Field Effect Transistors Biosensors: The Role of the Density of States of the Organic Semiconductor. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 12330-12338	7.8	45
205	Thermoelectric Properties of Polymeric Mixed Conductors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6288-6296	15.6	65
204	Flexible Lamination-Fabricated Ultra-High Frequency Diodes Based on Self-Supporting Semiconducting Composite Film of Silicon Micro-Particles and Nano-Fibrillated Cellulose. <i>Scientific Reports</i> , <b>2016</b> , 6, 28921	4.9	13
203	Thermoelectric Properties of Solution-Processed n-Doped Ladder-Type Conducting Polymers. <i>Advanced Materials</i> , <b>2016</b> , 28, 10764-10771	24	186
202	Chemical delivery array with millisecond neurotransmitter release. <i>Science Advances</i> , <b>2016</b> , 2, e1601340	14.3	47
201	High-Performance Hole Transport and Quasi-Balanced Ambipolar OFETs Based on DAA Thieno-benzo-isoindigo Polymers. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500313	6.4	29
200	Browsing the Real World using Organic Electronics, Si-Chips, and a Human Touch. <i>Advanced Materials</i> , <b>2016</b> , 28, 1911-6	24	13
199	Energy Level Bending in Ultrathin Polymer Layers Obtained through Langmuir-Blodgett Deposition. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1077-1084	15.6	33
198	Ionic thermoelectric supercapacitors. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1450-1457	35.4	188
197	Polarization of ferroelectric films through electrolyte. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 105901	1.8	6

196	Single Crystal-Like Performance in Solution-Coated Thin-Film Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2379-2386	15.6	78
195	Thermoelectric Polymers and their Elastic Aerogels. <i>Advanced Materials</i> , <b>2016</b> , 28, 4556-62	24	124
194	Organic Bioelectronics: Bridging the Signaling Gap between Biology and Technology. <i>Chemical Reviews</i> , <b>2016</b> , 116, 13009-13041	68.1	317
193	Development and Characterization of Organic Electronic Scaffolds for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1505-12	10.1	27
192	Photoconductive zinc oxide-composite paper by pilot paper machine manufacturing. <i>Flexible and Printed Electronics</i> , <b>2016</b> , 1, 044003	3.1	5
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32	Light amplification in organic thin films using cascade energy transfer. <i>Nature</i> , <b>1997</b> , 389, 466-469	50.4	301
31	Solid-state droplet laser made from an organic blend with a conjugated polymer emitter. <i>Advanced Materials</i> , <b>1997</b> , 9, 968-971	24	64
30	Polymer light-emitting diodes placed in microcavities. <i>Synthetic Metals</i> , <b>1996</b> , 76, 121-123	3.6	26
29	Polymeric light-emitting diodes of submicron size structures and developments. <i>Synthetic Metals</i> , <b>1996</b> , 76, 141-143	3.6	63
28	The electronic and geometric structures of neutral and potassium-doped poly[3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , <b>1996</b> , 76, 263-267	3.6	6
27	The electronic structure of neutral and alkali metal-doped poly[3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , <b>1996</b> , 80, 59-66	3.6	16
26	The "bottle brush": a new concept for uncemented anchorage of bone implants. Preliminary mechanical and biomechanical studies. <i>Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery</i> , <b>1995</b> , 29, 221-6		
25	Thiophene polymers in light emitting diodes: Making multicolour devices. <i>Synthetic Metals</i> , <b>1995</b> , 71, 2121-2124	3.6	97
24	Synthesis of poly(alkylthiophenes) for light-emitting diodes. <i>Synthetic Metals</i> , <b>1995</b> , 71, 2183-2184	3.6	48
23	Controlling colour by voltage in polymer light emitting diodes. <i>Synthetic Metals</i> , <b>1995</b> , 71, 2185-2186	3.6	75
22	Micrometer- and nanometer-sized polymeric light-emitting diodes. <i>Science</i> , <b>1995</b> , 267, 1479-81	33.3	275
21	Electroluminescence from Substituted Poly(thiophenes): From Blue to Near-Infrared. <i>Macromolecules</i> , <b>1995</b> , 28, 7525-7529	5.5	262
20	Polarized electroluminescence from an oriented substituted polythiophene in a light emitting diode. <i>Advanced Materials</i> , <b>1995</b> , 7, 43-45	24	217
19	Ultraviolet electroluminescence from an organic light emitting diode. <i>Advanced Materials</i> , <b>1995</b> , 7, 900-903	24	68
18	Green Electroluminescence in Poly-(3-cyclohexylthiophene) light-emitting diodes. <i>Advanced Materials</i> , <b>1994</b> , 6, 488-490	24	68
17	Light-emitting diodes with variable colours from polymer blends. <i>Nature</i> , <b>1994</b> , 372, 444-446	50.4	682

16	White light from an electroluminescent diode made from poly[3(4-octylphenyl)-2,2'ethiophene] and an oxadiazole derivative. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 7530-7534	2.5	119
15	Thermal control of near-infrared and visible electroluminescence in alkyl-phenyl substituted polythiophenes. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 1489-1491	3.4	65
14	Regioselective polymerization of 3-(4-octylphenyl)thiophene with FeCl <sub>3</sub> . <i>Macromolecules</i> , <b>1994</b> , 27, 6503-6506	3.9	185
13	The electrochemical transistor and circuit design considerations		4
12	Paper electronics and electronic paper		9
11	Ultrathin Paper Microsupercapacitors for Electronic Skin Applications. <i>Advanced Materials Technologies</i> , 2101420	6.8	3
10	An Electroactive Filter with Tunable Porosity Based on Glycolated Polythiophene. <i>Small Science</i> , 2100113		1
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8	Manufacturing Poly(3,4-Ethylenedioxythiophene) Electrocatalytic Sheets for Large-Scale H <sub>2</sub> O <sub>2</sub> Production. <i>Advanced Sustainable Systems</i> , 2100316	5.9	1
7	A chronic photocapacitor implant for noninvasive neurostimulation with deep red light		6
6	A Biomimetic Evolvable Organic Electrochemical Transistor. <i>Advanced Electronic Materials</i> , 2001126	6.4	14
5	Designing Inverters Based on Screen Printed Organic Electrochemical Transistors Targeting Low-Voltage and High-Frequency Operation. <i>Advanced Materials Technologies</i> , 2100555	6.8	5
4	Oxygen reduction reaction at conducting polymer electrodes in a wider context: Insights from modelling concerning outer and inner sphere mechanisms. <i>Electrochemical Science Advances</i> ,		0
3	Graphene-Enabled Electrophoretic Ion Pump Delivery Devices. <i>Advanced Materials Interfaces</i> , 2102507	4.6	
2	High-Gain Logic Inverters based on Multiple Screen-Printed Organic Electrochemical Transistors. <i>Advanced Materials Technologies</i> , 2101642	6.8	1
1	Rational Materials Design for In Operando Electropolymerization of Evolvable Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , 2202292	15.6	1