

# John R Reynolds

## List of Publications by Year in descending order

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335  
papers

28,992  
citations

5434

84  
h-index

5871

162  
g-index

345  
all docs

345  
docs citations

345  
times ranked

23919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent, Conductive Carbon Nanotube Films. <i>Science</i> , 2004, 305, 1273-1276.	20.9	2,810
2	Color Control in $\pi$ -Conjugated Organic Polymers for Use in Electrochromic Devices. <i>Chemical Reviews</i> , 2010, 110, 268-320.	51.4	1,651
3	Electrochromic organic and polymeric materials for display applications. <i>Displays</i> , 2006, 27, 2-18.	3.8	961
4	High-efficiency inverted dithienogermole $\pi$ -thienopyrrolodione-based polymer solar cells. <i>Nature Photonics</i> , 2012, 6, 115-120.	23.1	908
5	Multicolored Electrochromism in Polymers: Structures and Devices. <i>Chemistry of Materials</i> , 2004, 16, 4401-4412.	7.1	756
6	Dithienogermole As a Fused Electron Donor in Bulk Heterojunction Solar Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 10062-10065.	14.6	697
7	Conjugated Polyelectrolytes: Synthesis, Photophysics, and Applications. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4300-4316.	14.8	683
8	Spectral Engineering in $\pi$ -Conjugated Polymers with Intramolecular Donor $\pi$ -Acceptor Interactions. <i>Accounts of Chemical Research</i> , 2010, 43, 1396-1407.	16.6	580
9	Solution $\pi$ -Processed Nickel Oxide Hole Transport Layers in High Efficiency Polymer Photovoltaic Cells. <i>Advanced Functional Materials</i> , 2013, 23, 2993-3001.	16.5	481
10	Conducting Poly(3,4-alkylenedioxythiophene) Derivatives as Fast Electrochromics with High-Contrast Ratios. <i>Chemistry of Materials</i> , 1998, 10, 896-902.	7.1	465
11	Navigating the Color Palette of Solution-Processable Electrochromic Polymers. <i>Chemistry of Materials</i> , 2011, 23, 397-415.	7.1	429
12	Soluble Narrow Band Gap and Blue Propylenedioxythiophene-Cyanovinylene Polymers as Multifunctional Materials for Photovoltaic and Electrochromic Applications. <i>Journal of the American Chemical Society</i> , 2006, 128, 12714-12725.	14.6	382
13	Electrically Tunable Plasmonic Behavior of Nanocube $\pi$ -Polymer Nanomaterials Induced by a Redox-Active Electrochromic Polymer. <i>ACS Nano</i> , 2014, 8, 6182-6192.	15.3	366
14	Electrochromic Conducting Polymers via Electrochemical Polymerization of Bis(2-(3,4-ethylenedioxy)thienyl) Monomers. <i>Chemistry of Materials</i> , 1996, 8, 882-889.	7.1	330
15	Spray Coatable Electrochromic Dioxythiophene Polymers with High Coloration Efficiencies. <i>Macromolecules</i> , 2004, 37, 7559-7569.	5.1	328
16	Isoindigo, a Versatile Electron-Deficient Unit For High-Performance Organic Electronics. <i>Chemistry of Materials</i> , 2014, 26, 664-678.	7.1	328
17	Use of Conducting Electroactive Polymers for Drug Delivery and Sensing of Bioactive Molecules. A Redox Chemistry Approach. <i>Journal of Physical Chemistry B</i> , 2000, 104, 4080-4090.	2.7	275
18	Enhanced Contrast Dual Polymer Electrochromic Devices. <i>Chemistry of Materials</i> , 2002, 14, 3118-3122.	7.1	264

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19	In Situ Colorimetric Analysis of Electrochromic Polymers and Devices. <i>Chemistry of Materials</i> , 2000, 12, 1563-1571.	7.1	249
20	High-Contrast Electrochromic Polymers from Alkyl-Derivatized Poly(3,4-ethylenedioxythiophenes). <i>Macromolecules</i> , 1997, 30, 2582-2588.	5.1	245
21	Extended Conjugation Platinum(II) Porphyrins for use in Near-Infrared Emitting Organic Light Emitting Diodes. <i>Chemistry of Materials</i> , 2011, 23, 5305-5312.	7.1	230
22	Completing the Color Palette with Spray-Processable Polymer Electrochromics. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1787-1795.	8.3	223
23	Spectral Broadening in MEH-PPV:PCBM-Based Photovoltaic Devices via Blending with a Narrow Band Gap Cyanovinylene $\pi$ -Dioxythiophene Polymer. <i>Macromolecules</i> , 2005, 38, 5359-5362.	5.1	218
24	Inverted Polymer Solar Cells with Reduced Interface Recombination. <i>Advanced Energy Materials</i> , 2012, 2, 1333-1337.	22.2	215
25	A Spray-Processable, Low Bandgap, and Ambipolar Donor $\pi$ -Acceptor Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 2824-2826.	14.6	214
26	Four Shades of Brown: Tuning of Electrochromic Polymer Blends Toward High-Contrast Eyewear. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1413-1421.	8.3	209
27	Donor $\pi$ -Acceptor $\pi$ -Donor-based $\pi$ -Conjugated Oligomers for Nonlinear Optics and Near-IR Emission. <i>Chemistry of Materials</i> , 2011, 23, 3805-3817.	7.1	195
28	Isoindigo-Based Donor $\pi$ -Acceptor Conjugated Polymers. <i>Macromolecules</i> , 2010, 43, 8348-8352.	5.1	193
29	Platinum $\pi$ -acetylide polymer based solar cells: involvement of the triplet state for energy conversion. <i>Chemical Communications</i> , 2006, , 1887-1889.	4.2	182
30	Poly(3,4-alkylenedioxy pyrrole)s: A Highly Stable Electronically Conducting and Electrochromic Polymers. <i>Macromolecules</i> , 2000, 33, 7051-7061.	5.1	178
31	N-Substituted Poly(3,4-propylenedioxy pyrrole)s: A High Gap and Low Redox Potential Switching Electroactive and Electrochromic Polymers. <i>Macromolecules</i> , 2003, 36, 639-647.	5.1	175
32	Poly(3,4-ethylenedioxythiophene) (PEDOT) prepared via electrochemical polymerization of EDOT, 2,2'-Bis(3,4-ethylenedioxythiophene) (BiEDOT), and their TMS derivatives. <i>Advanced Materials</i> , 1997, 9, 795-798.	24.3	170
33	Broadly Absorbing Black to Transmissive Switching Electrochromic Polymers. <i>Advanced Materials</i> , 2010, 22, 4949-4953.	24.3	163
34	Variable Band Gap Poly(arylene ethynylene) Conjugated Polyelectrolytes. <i>Macromolecules</i> , 2006, 39, 6355-6366.	5.1	162
35	Electrochromic devices based on soluble and processable dioxythiophene polymers Electronic supplementary information (ESI) available: details of the synthesis of PProDOT(CH <sub>2</sub> OC <sub>18</sub> H <sub>37</sub> ) <sub>2</sub> and PProDOT(CH <sub>2</sub> OEtH) <sub>2</sub> and their polymerization. See <a href="http://www.rsc.org/suppdata/jm/b3/b306365h/">http://www.rsc.org/suppdata/jm/b3/b306365h/</a> . <i>Journal of Materials Chemistry</i> , 2003, 13, 2422.	6.7	160
36	Racial Mismatch in the Classroom. <i>Sociology of Education</i> , 2013, 86, 3-17.	3.1	160

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37	n-Type Conjugated Polyisoindigos. <i>Macromolecules</i> , 2011, 44, 6303-6310.	5.1	157
38	Dithienopyrrole-based donor-acceptor copolymers: low band-gap materials for charge transport, photovoltaics and electrochromism. <i>Journal of Materials Chemistry</i> , 2010, 20, 123-134.	6.7	155
39	Soluble Alkyl-Substituted Poly(ethylenedioxythiophenes) as Electrochromic Materials. <i>Macromolecules</i> , 1996, 29, 7629-7630.	5.1	151
40	Orange and Red to Transmissive Electrochromic Polymers Based on Electron-Rich Dioxythiophenes. <i>Macromolecules</i> , 2010, 43, 4460-4467.	5.1	150
41	Photophysical Properties of Near-Infrared Phosphorescent $\pi$ -Extended Platinum Porphyrins. <i>Chemistry of Materials</i> , 2011, 23, 5296-5304.	7.1	150
42	Improved Performance of Molecular Bulk-Heterojunction Photovoltaic Cells through Predictable Selection of Solvent Additives. <i>Advanced Functional Materials</i> , 2012, 22, 4801-4813.	16.5	149
43	Spray-Processable Blue-Highly Transmissive Switching Polymer Electrochromes via the Donor-Acceptor Approach. <i>Advanced Materials</i> , 2010, 22, 724-728.	24.3	148
44	Dual-color polymer light-emitting pixels processed by hybrid inkjet printing. <i>Applied Physics Letters</i> , 1998, 73, 2561-2563.	3.2	140
45	Regiosymmetric Dibutyl-Substituted Poly(3,4-propylenedioxythiophene)s as Highly Electron-Rich Electroactive and Luminescent Polymers. <i>Macromolecules</i> , 2002, 35, 6517-6525.	5.1	140
46	Improving the contrast of all-printed electrochromic polymer on paper displays. <i>Journal of Materials Chemistry</i> , 2009, 19, 1799.	6.7	140
47	It Takes More Than an Imine: The Role of the Central Atom on the Electron-Accepting Ability of Benzotriazole and Benzothiadiazole Oligomers. <i>Journal of the American Chemical Society</i> , 2012, 134, 2599-2612.	14.6	139
48	Hyperbranched Conjugated Polyelectrolyte Bilayers for Solar-Cell Applications. <i>Journal of the American Chemical Society</i> , 2007, 129, 8958-8959.	14.6	136
49	Low-Band-Gap Platinum Acetylide Polymers as Active Materials for Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 150-161.	8.3	135
50	Direct (Hetero)arylation Polymerization: An Effective Route to 3,4-Propylenedioxythiophene-Based Polymers with Low Residual Metal Content. <i>ACS Macro Letters</i> , 2013, 2, 869-873.	4.9	135
51	A Vertically Integrated Solar-Powered Electrochromic Window for Energy Efficient Buildings. <i>Advanced Materials</i> , 2014, 26, 4895-4900.	24.3	135
52	Heteroannulated acceptors based on benzothiadiazole. <i>Materials Horizons</i> , 2015, 2, 22-36.	12.8	130
53	In situ conductivity studies of poly(3,4-ethylenedioxythiophene). <i>Synthetic Metals</i> , 1998, 92, 57-61.	4.1	129
54	Water-Soluble and Blue Luminescent Cationic Polyelectrolytes Based on Poly(p-phenylene). <i>Macromolecules</i> , 1999, 32, 3970-3978.	5.1	129

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55	Balancing Charge Storage and Mobility in an Oligo(Ether) Functionalized Dioxythiophene Copolymer for Organic and Aqueous-Based Electrochemical Devices and Transistors. <i>Advanced Materials</i> , 2018, 30, e1804647.	24.3	126
56	Discrete Photopatternable $\pi$ -Conjugated Oligomers for Electrochromic Devices. <i>Journal of the American Chemical Society</i> , 2008, 130, 9734-9746.	14.6	125
57	Synthetic Principles Directing Charge Transport in Low-Band-Gap Dithienosilole-Benzothiadiazole Copolymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 8944-8957.	14.6	125
58	Transparent Wood Smart Windows: Polymer Electrochromic Devices Based on Poly(3,4-Ethylenedioxythiophene):Poly(Styrene Sulfonate) Electrodes. <i>ChemSusChem</i> , 2018, 11, 854-863.	7.5	121
59	Material Strategies for Black-to-Transmissive Window-Type Polymer Electrochromic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1022-1032.	8.3	120
60	Water-Soluble Rigid-Rod Polyelectrolytes: A New Self-Doped, Electroactive Sulfonatoalkoxy-Substituted Poly(p-phenylene). <i>Macromolecules</i> , 1994, 27, 1975-1977.	5.1	117
61	In situ colorimetric and composite coloration efficiency measurements for electrochromic Prussian blue. <i>Journal of Materials Chemistry</i> , 2005, 15, 2226.	6.7	117
62	Thin-Film Light-Emitting Devices Based on Sequentially Adsorbed Multilayers of Water-Soluble Poly(p-phenylene)s. <i>Advanced Materials</i> , 1998, 10, 1452-1455.	24.3	116
63	Optimization of PEDOT Films in Ionic Liquid Supercapacitors: Demonstration As a Power Source for Polymer Electrochromic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13432-13440.	8.3	116
64	Follow the Yellow Brick Road: Structural Optimization of Vibrant Yellow-to-Transmissive Electrochromic Conjugated Polymers. <i>Macromolecules</i> , 2014, 47, 5462-5469.	5.1	113
65	Spray-Coated Multilayer Cellulose Nanocrystal-Chitin Nanofiber Films for Barrier Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10637-10644.	6.9	112
66	Twisted Thiophene-Based Chromophores with Enhanced Intramolecular Charge Transfer for Cooperative Amplification of Third-Order Optical Nonlinearity. <i>Journal of the American Chemical Society</i> , 2016, 138, 6975-6984.	14.6	109
67	Polydimethylsiloxane as a Macromolecular Additive for Enhanced Performance of Molecular Bulk Heterojunction Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1210-1215.	8.3	108
68	Poly[Bis-EDOT-Isoindigo]: An Electroactive Polymer Applied to Electrochemical Supercapacitors. <i>Macromolecules</i> , 2012, 45, 8211-8220.	5.1	108
69	Effect of Heteroatom and Doping on the Thermoelectric Properties of Poly(3-Alkylchalcogenophenes). <i>Advanced Energy Materials</i> , 2018, 8, 1802419.	22.2	105
70	Ethylene Glycol-Based Side Chain Length Engineering in Polythiophenes and its Impact on Organic Electrochemical Transistor Performance. <i>Chemistry of Materials</i> , 2020, 32, 6618-6628.	7.1	104
71	Self-doped conducting copolymers: a charge and mass transport study of poly{pyrrole-CO[3-(pyrrol-1-yl)propanesulfonate]}. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 250, 355-371.	0.1	103
72	Förster Energy Transfer Studies of Polyelectrolyte Heterostructures Containing Conjugated Polymers: A Means To Estimate Layer Interpenetration. <i>Langmuir</i> , 1999, 15, 6460-6469.	3.7	97

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73	Donor-acceptor copolymers for red- and near-infrared-emitting polymer light-emitting diodes. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1417-1431.	2.4	97
74	Alkoxy-sulfonate-Functionalized PEDOT Polyelectrolyte Multilayer Films: A Electrochromic and Hole Transport Materials. <i>Macromolecules</i> , 2005, 38, 3068-3074.	5.1	95
75	Structure-Performance Correlations in Spray-Processable Green Dioxythiophene-Benzothiadiazole Donor-Acceptor Polymer Electrochromes. <i>Chemistry of Materials</i> , 2012, 24, 255-268.	7.1	94
76	Manufacture and demonstration of organic photovoltaic-powered electrochromic displays using roll coating methods and printable electrolytes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 536-545.	2.4	94
77	Dioxythiophene-Based Polymer Electrodes for Supercapacitor Modules. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 3586-3593.	8.3	91
78	Paper-Based Electrochromic Devices Enabled by Nanocellulose-Coated Substrates. <i>Advanced Functional Materials</i> , 2019, 29, 1903487.	16.5	91
79	Donor-Mediated Band Gap Reduction in a Homologous Series of Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2004, 126, 16440-16450.	14.6	90
80	Chiral Ethylhexyl Substituents for Optically Active Aggregates of $\pi$ -Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2007, 129, 10694-10699.	14.6	90
81	Educational expectations and the rise in women's post-secondary attainments. <i>Social Science Research</i> , 2008, 37, 485-499.	2.2	90
82	Fast Switching Water Processable Electrochromic Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6512-6521.	8.3	90
83	Cross-Linked Hyperbranched Arylamine Polymers as Hole-Transporting Materials for Polymer LEDs. <i>Macromolecules</i> , 2006, 39, 7789-7792.	5.1	87
84	Defunctionalization of Ester-Substituted Electrochromic Dioxythiophene Polymers. <i>Macromolecules</i> , 2007, 40, 5344-5352.	5.1	87
85	Unsaturated Linkages in Dioxythiophene-Benzothiadiazole Donor-Acceptor Electrochromic Polymers: The Key Role of Conformational Freedom. <i>Macromolecules</i> , 2009, 42, 3694-3706.	5.1	86
86	An Electrochromic Painter's Palette: Color Mixing via Solution Co-Processing. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1406-1412.	8.3	86
87	An isoindigo and dithieno[3,2-b:3',2'-d]silole copolymer for polymer solar cells. <i>Polymer Chemistry</i> , 2012, 3, 89-92.	4.0	84
88	Establishing Dual Electrogenerated Chemiluminescence and Multicolor Electrochromism in Functional Ionic Transition-Metal Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 968-978.	14.6	84
89	Ambipolar Charge Transport in Isoindigo-Based Donor-Acceptor Polymers. <i>Chemistry of Materials</i> , 2016, 28, 1286-1297.	7.1	84
90	Direct Strain Measurement of Polypyrrole Actuators Controlled by the Polymer/Gold Interface. <i>Chemistry of Materials</i> , 2003, 15, 916-922.	7.1	83

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91	Spectral Broadening in Nanocrystalline TiO <sub>2</sub> Solar Cells Based on Poly(p-phenylene ethynylene) and Polythiophene Sensitizers. <i>Chemistry of Materials</i> , 2006, 18, 6109-6111.	7.1	83
92	Propylenedioxythiophene (ProDOT)-phenylene copolymers allow a yellow-to-transmissive electrochromic. <i>Polymer Chemistry</i> , 2011, 2, 812.	4.0	83
93	Conjugated Polymer Blends for High Contrast Black-to-Transmissive Electrochromism. <i>Advanced Optical Materials</i> , 2018, 6, 1800594.	7.9	82
94	Microporous Patterned Electrodes for Color-Matched Electrochromic Polymer Displays. <i>Chemistry of Materials</i> , 2004, 16, 2386-2393.	7.1	81
95	Black to Transmissive Switching in a Pseudo Three-Electrode Electrochromic Device. <i>Chemistry of Materials</i> , 2009, 21, 5145-5153.	7.1	81
96	Conjugated Polyelectrolytes as Water Processable Precursors to Aqueous Compatible Redox Active Polymers for Diverse Applications: Electrochromism, Charge Storage, and Biocompatible Organic Electronics. <i>Chemistry of Materials</i> , 2017, 29, 4385-4392.	7.1	81
97	Out of sight but not out of mind: the role of counter electrodes in polymer-based solid-state electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9715-9725.	5.6	77
98	Tunable Redox and Optical Properties Using Transition Metal-Complexed Polythiophenes. <i>Macromolecules</i> , 1997, 30, 673-675.	5.1	75
99	Regiosymmetric Poly(dialkylphenylenedioxythiophene)s: Electron-Rich, Stackable $\pi$ -Conjugated Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 714-717.	14.8	75
100	Designing a Soluble PEDOT Analogue without Surfactants or Dispersants. <i>Macromolecules</i> , 2016, 49, 2106-2111.	5.1	75
101	Charge and Ion Transport in Poly(pyrrole copper phthalocyanine tetrasulfonate) during Redox Switching. <i>Journal of the Electrochemical Society</i> , 1994, 141, 35-40.	2.9	74
102	Green Dioxythiophene-Benzothiadiazole Donor-Acceptor Copolymers for Photovoltaic Device Applications. <i>Chemistry of Materials</i> , 2010, 22, 2093-2106.	7.1	73
103	New Design Paradigm for Color Control in Anodically Coloring Electrochromic Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 3859-3862.	14.6	73
104	3,4-Alkylenedioxyppyroles: Functionalized Derivatives as Monomers for New Electron-Rich Conducting and Electroactive Polymers. <i>Journal of Organic Chemistry</i> , 2001, 66, 6873-6882.	3.3	70
105	A minimally coloured dioxypyrrrole polymer as a counter electrode material in polymeric electrochromic window devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 4953.	6.7	69
106	Electrically Controlled Plasmonic Behavior of Gold Nanocube@Polyaniline Nanostructures: Transparent Plasmonic Aggregates. <i>Chemistry of Materials</i> , 2016, 28, 2868-2881.	7.1	69
107	A new standard method to calculate electrochromic switching time. <i>Solar Energy Materials and Solar Cells</i> , 2018, 185, 54-60.	6.3	69
108	Electrochemically initiated chain polymerization of pyrrole in aqueous media. <i>Journal of Polymer Science Part A</i> , 1992, 30, 1315-1325.	2.4	67

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109	A Side-Chain Defunctionalization Approach Yields a Polymer Electrochrome Spray-Processable from Water. <i>Advanced Materials</i> , 2010, 22, 5383-5387.	24.3	67
110	Solution Processed PEDOT Analogues in Electrochemical Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13492-13498.	8.3	67
111	Effect of clonidine on haemodynamic responses to endotracheal intubation and on gastric acidity. <i>Acta Anaesthesiologica Scandinavica</i> , 1987, 31, 325-329.	1.7	66
112	Age, Depression, and Attrition in the National Survey of Families and Households. <i>Sociological Methods and Research</i> , 2000, 28, 476-504.	6.7	66
113	Relax: A Sterically Relaxed Donor-Acceptor Approach for Color Tuning in Broadly Absorbing, High Contrast Electrochromic Polymers. <i>Macromolecules</i> , 2016, 49, 6350-6359.	5.1	66
114	Understanding the Electronic Structure of Isoindigo in Conjugated Systems: A Combined Theoretical and Experimental Approach.. <i>Macromolecules</i> , 2013, 46, 8832-8844.	5.1	65
115	Tuning Color, Contrast, and Redox Stability in High Gap Cathodically Coloring Electrochromic Polymers. <i>Macromolecules</i> , 2016, 49, 8498-8507.	5.1	65
116	Color Purity in Polymer Electrochromic Window Devices on Indium-Tin Oxide and Single-Walled Carbon Nanotube Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2288-2297.	8.3	64
117	Direct Photopatterning of Electrochromic Polymers. <i>Advanced Functional Materials</i> , 2013, 23, 3728-3737.	16.5	64
118	Enhanced Photovoltaic Performances of Dye-Sensitized Solar Cells by Co-Sensitization of Benzothiadiazole and Squaraine-Based Dyes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4616-4623.	8.3	64
119	Tuning Polymer Light-Emitting Device Emission Colors in Ternary Blends Composed of Conjugated and Nonconjugated Polymers. <i>Macromolecules</i> , 2005, 38, 7660-7669.	5.1	62
120	Efficient near-infrared organic light-emitting devices based on low-gap fluorescent oligomers. <i>Journal of Applied Physics</i> , 2009, 106, .	2.3	62
121	Process controlled performance for soluble electrochromic polymers. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 54-60.	6.3	61
122	Near infrared organic light-emitting devices based on donor-acceptor-donor oligomers. <i>Applied Physics Letters</i> , 2008, 93, 163305.	3.2	59
123	Panchromatic Donor-Acceptor-Donor Conjugated Oligomers for Dye-Sensitized Solar Cell Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8715-8722.	8.3	59
124	Low-oxidation-potential conducting polymers derived from 3,4-ethylenedioxythiophene and dialkoxybenzenes. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2164-2178.	2.4	57
125	Photo-Carrier Recombination in Polymer Solar Cells Based on P3HT and Silole-Based Copolymer. <i>Advanced Energy Materials</i> , 2011, 1, 963-969.	22.2	57
126	Discrete Donor-Acceptor Conjugated Systems in Neutral and Oxidized States: Implications toward Molecular Design for High Contrast Electrochromics. <i>Chemistry of Materials</i> , 2017, 29, 1290-1301.	7.1	57



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127	Highly transmissive and conductive poly[(3,4-alkylenedioxy)pyrrole-2,5-diyl] (PXDOP) films prepared by air or transition metal catalyzed chemical oxidation. <i>Journal of Materials Chemistry</i> , 2001, 11, 289-294.	6.7	56
128	All Polymer Solution Processed Electrochromic Devices: A Future without Indium Tin Oxide?. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31568-31579.	8.3	56
129	Fine-Tuning the Color Hue of $\pi$ -Conjugated Black-to-Clear Electrochromic Random Copolymers. <i>Macromolecules</i> , 2019, 52, 6773-6779.	5.1	56
130	Electrochromic properties of a fast switching, dual colour polythiophene bearing non-planar dithiinoquinoxaline units. <i>Journal of Materials Chemistry</i> , 2007, 17, 225-231.	6.7	54
131	End Capping Does Matter: Enhanced Order and Charge Transport in Conjugated Donor-Acceptor Polymers. <i>Macromolecules</i> , 2015, 48, 6369-6377.	5.1	54
132	Absurdly Ambitious? Teenagers'™ Expectations for the Future and the Realities of Social Structure. <i>Sociology Compass</i> , 2008, 2, 944-962.	2.5	53
133	Loss Mechanisms in Thick-Film Low-Bandgap Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 909-916.	22.2	53
134	Dual-Responsive Reversible Plasmonic Behavior of Core-Shell Nanostructures with pH-Sensitive and Electroactive Polymer Shells. <i>Chemistry of Materials</i> , 2016, 28, 7551-7563.	7.1	53
135	Effect of Polymer-Fullerene Interaction on the Dielectric Properties of the Blend. <i>Advanced Energy Materials</i> , 2017, 7, 1601947.	22.2	53
136	High-Performance n-Type Organic Electrochemical Transistors Enabled by Aqueous Solution Processing of Amphiphilicity-Driven Polymer Assembly. <i>Advanced Functional Materials</i> , 2022, 32, 2111950.	16.5	52
137	Line patterning for flexible and laterally configured electrochromic devices. <i>Journal of Materials Chemistry</i> , 2005, 15, 1793.	6.7	51
138	Supercapacitors Based on Polymeric Dioxypyrroles and Single Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2012, 24, 433-443.	7.1	51
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