

Keisuke Tajima

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.

140 papers	7,960 citations	46 h-index	87 g-index
143 ext. papers	8,534 ext. citations	8.8 avg, IF	6.2 L-index

#	Paper	IF	Citations
140	Ultrathin and Efficient Organic Photovoltaics with Enhanced Air Stability by Suppression of Zinc Element Diffusion.. <i>Advanced Science</i> , 2022 , e2105288	13.6	5
139	Essential Role of Triplet Diradical Character for Large Magnetoresistance in Quinoidal Organic Semiconductor with High Electron Mobility.. <i>Advanced Science</i> , 2022 , e2201045	13.6	0
138	Control of molecular orientations by sequential deposition to enhance organic photovoltaic performance. <i>Materials Chemistry and Physics</i> , 2022 , 281, 125849	4.4	0
137	Triphenyleno[1,2-:7,8- η]bis([1,2,5]thiadiazole) as a V-Shaped Electron-Deficient Unit to Construct Wide-Bandgap Amorphous Polymers for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57743-57749	9.5	1
136	Highly Sensitive Evaluation of Density of States in Molecular Semiconductors by Photoelectron Yield Spectroscopy in Air. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28574-28582	9.5	6
135	Inversion of Circular Dichroism Signals in Chiral Polythiophene Films Induced by End-On-Oriented Surface-Segregated Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7510-7516	9.5	0
134	Reduction of Electric Current Loss by Aggregation-Induced Molecular Alignment of a Non-Fullerene Acceptor in Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
133	Highly efficient organic photovoltaics with enhanced stability through the formation of doping-induced stable interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6391-6397	11.5	30
132	Noncentrosymmetric Columnar Liquid Crystals with the Bulk Photovoltaic Effect for Organic Photodetectors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3326-3330	16.4	21
131	Face-on reorientation of π -conjugated polymers in thin films by surface-segregated monolayers. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6268-6275	13	6
130	Nanograting Structured Ultrathin Substrate for Ultraflexible Organic Photovoltaics. <i>Small Methods</i> , 2020 , 4, 1900762	12.8	9
129	Surface Analysis of Native Spider Draglines by FE-SEM and XPS. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 231	5.8	3
128	Surface-induced enantiomorphic crystallization of achiral fullerene derivatives in thin films. <i>Chemical Science</i> , 2020 , 11, 4702-4708	9.4	2
127	Immobilization of Ethynyl- π -Extended Electron Acceptors with Amino-Terminated SAMs by Catalyst-Free Click Reaction. <i>Chemistry - A European Journal</i> , 2020 , 26, 15931-15937	4.8	6
126	Conjugated materials containing dithieno[3,2-b:2',3'-d]pyrrole and its derivatives for organic and hybrid solar cell applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 64-96	13	104
125	Two isomeric perylenothiophene diimides: physicochemical properties and applications in organic semiconducting devices. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2267-2275	7.1	9
124	Anatomy of the energetic driving force for charge generation in organic solar cells. <i>Nature Communications</i> , 2019 , 10, 2520	17.4	57

123	Phytol-Derived Alkyl Side Chains for EConjugated Semiconducting Polymers. <i>Chemistry of Materials</i> , 2019 , 31, 2097-2105	9.6	6
122	Look beyond the surface: recent progress in applications of surface-segregated monolayers for organic electronics. <i>Polymer Journal</i> , 2019 , 51, 1117-1126	2.7	13
121	Quantifying charge carrier density in organic solar cells by differential charging techniques. <i>AIP Advances</i> , 2019 , 9, 125205	1.5	8
120	Porphyrin-Containing Polymer as a Superior Blue Light-Absorbing Additive To Afford High- J Ternary Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1156-1162	9.5	12
119	Effects of Chain Orientation in Self-Organized Buffer Layers Based on Poly(3-alkylthiophene)s for Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8901-8908	9.5	13
118	Intermolecular Arrangement of Fullerene Acceptors Proximal to Semiconducting Polymers in Mixed Bulk Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7034-7039	16.4	11
117	Synthesis of diketopyrrolopyrrole-based polymers with polydimethylsiloxane side chains and their application in organic field-effect transistors. <i>Royal Society Open Science</i> , 2018 , 5, 172025	3.3	6
116	Quantitative Evaluation of Molecular Diffusion in Organic Planar Heterojunctions by Time-of-Flight Secondary Ion Mass Spectroscopy. <i>ACS Omega</i> , 2018 , 3, 1522-1528	3.9	10
115	Crystallization and Polymorphism of Organic Semiconductor in Thin Film Induced by Surface Segregated Monolayers. <i>Scientific Reports</i> , 2018 , 8, 481	4.9	19
114	Modulating the Symmetry of Benzodithiophene by Molecular Tailoring for the Application in Naphthalene Diimide-Based N-Type Photovoltaic Polymers. <i>Solar Rrl</i> , 2018 , 2, 1700230	7.1	24
113	Intermolecular Arrangement of Fullerene Acceptors Proximal to Semiconducting Polymers in Mixed Bulk Heterojunctions. <i>Angewandte Chemie</i> , 2018 , 130, 7152-7157	3.6	
112	Simultaneously Achieved High Open-Circuit Voltage and Efficient Charge Generation by Fine-Tuning Charge-Transfer Driving Force in Nonfullerene Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1704507	15.6	147
111	Effects of end-on oriented polymer chains at the donor/acceptor interface in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22889-22898	13	16
110	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. <i>Nature</i> , 2018 , 561, 516-521	50.4	468
109	Effects of Molecular Orientation of a Fullerene Derivative at the Donor/Acceptor Interface on the Device Performance of Organic Photovoltaics. <i>Chemistry of Materials</i> , 2018 , 30, 8233-8243	9.6	7
108	Synthesis of Poly(3-butylthiophene) with Trisiloxane End Group and Its Surface Segregation Behavior in Thin Films. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018 , 31, 151-156	0.7	4
107	Organic Solar Cells with Controlled Nanostructures Based on Microphase Separation of Fullerene-Attached Thiophene-Selenophene Heteroblock Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4758-4768	9.5	13
106	Inside-fused perylenediimide dimers with planar structures for high-performance fullerene-free organic solar cells. <i>RSC Advances</i> , 2017 , 7, 13749-13753	3.7	8

105	Comparison among Perylene Diimide (PDI), Naphthalene Diimide (NDI), and Naphthodithiophene Diimide (NDTI) Based n-Type Polymers for All-Polymer Solar Cells Application. <i>Macromolecules</i> , 2017 , 50, 3179-3185	5.5	70
104	Conjugation Effects of Oligo(thienylenevinylene) Side Chains in Semiconducting Polymers on Photovoltaic Performance. <i>Macromolecules</i> , 2017 , 50, 3557-3564	5.5	6
103	Cumulative gain in organic solar cells by using multiple optical nanopatterns. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10347-10354	13	17
102	Direct Aqueous Dispersion of Carbon Nanotubes Using Nanoparticle-Formed Fullerenes and Self-Assembled Formation of p/n Heterojunctions with Polythiophene. <i>ACS Omega</i> , 2017 , 2, 1625-1632	3.9	7
101	High Sensitivity Tuning of Work Function of Self-Assembled Monolayers Modified Electrodes Using Vacuum Ultraviolet Treatment. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28151-28156	9.5	3
100	Effects of Inserting Thiophene as a Bridge on the Properties of Naphthalene Diimide-alt-Fused Thiophene Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44070-44078	9.5	15
99	Haptacyclic Carbazole-Based Ladder-Type Nonfullerene Acceptor with Side-Chain Optimization for Efficient Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42035-42042	9.5	37
98	Drawing organic photovoltaics using paint marker pens. <i>AIP Advances</i> , 2017 , 7, 115002	1.5	1
97	Bis(naphthothiophene diimide)indacenodithiophenes as Acceptors for Organic Photovoltaics. <i>Chemistry of Materials</i> , 2017 , 29, 9618-9622	9.6	26
96	Organic Planar Heterojunctions: From Models for Interfaces in Bulk Heterojunctions to High-Performance Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1603269	24	85
95	Roles of Energy/Charge Cascades and Intermixed Layers at Donor/Acceptor Interfaces in Organic Solar Cells. <i>Scientific Reports</i> , 2016 , 6, 29529	4.9	35
94	Interface-induced crystallization and nanostructure formation of [6,6]-phenyl-C61-butyric acid methyl ester (PCBM) in polymer blend films and its application in photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3335-3341	13	13
93	Naphthodithiophene Diimide-Based Copolymers: Ambipolar Semiconductors in Field-Effect Transistors and Electron Acceptors with Near-Infrared Response in Polymer Blend Solar Cells. <i>Macromolecules</i> , 2016 , 49, 1752-1760	5.5	65
92	Modification of Donor/Acceptor Interface for Efficient Organic Photovoltaics. <i>Journal of Photopolymer Science and Technology = [Fotopolima Konwakai Shi]</i> , 2016 , 29, 533-536	0.7	1
91	High Energy Efficiency and Stability for Photoassisted Aqueous Lithium-Iodine Redox Batteries. <i>ACS Energy Letters</i> , 2016 , 1, 806-813	20.1	35
90	An amorphous N-type polymer based on perylenediimide and selenophene for all-polymer solar cells application. <i>Materials Today Communications</i> , 2015 , 4, 16-21	2.5	16
89	A low band gap n-type polymer based on dithienosilole and naphthalene diimide for all-polymer solar cells application. <i>Polymer</i> , 2015 , 63, 164-169	3.9	18
88	Dominant effects of first monolayer energetics at donor/acceptor interfaces on organic photovoltaics. <i>Advanced Materials</i> , 2015 , 27, 3025-31	24	47

87	Fullerene-free organic photovoltaics based on unconventional material combination: a molecular donor and polymeric acceptors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22325-22331	13	14
86	Optical anisotropy and strong H-aggregation of poly(3-alkylthiophene) in a surface monolayer. <i>Advanced Materials</i> , 2015 , 27, 6014-20	24	14
85	Crystallization-Induced Energy Level Change of [6,6]-Phenyl-C61-Butyric Acid Methyl Ester (PCBM) Film: Impact of Electronic Polarization Energy. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23-28	3.8	36
84	Enhancement of VOC without Loss of JSC in Organic Solar Cells by Modification of Donor/Acceptor Interfaces. <i>Advanced Energy Materials</i> , 2014 , 4, 1301332	21.8	42
83	Improved electronic coupling in hybrid organic-inorganic nanocomposites employing thiol-functionalized P3HT and bismuth sulfide nanocrystals. <i>Nanoscale</i> , 2014 , 6, 10018-26	7.7	20
82	Synthesis and properties of D _A copolymers based on dithienopyrrole and benzothiadiazole with various numbers of thienyl units as spacers. <i>Polymer Chemistry</i> , 2014 , 5, 6797-6803	4.9	20
81	Enhanced vertical carrier mobility in poly(3-alkylthiophene) thin films sandwiched between self-assembled monolayers and surface-segregated layers. <i>Chemical Communications</i> , 2014 , 50, 3627-30	5.8	23
80	Surface functionalization of organic semiconductor films by segregated monolayers. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 16383-7	3.6	11
79	Poly(4-hexyloxythiazole): A new low band gap semiconductor for polymer electronics. <i>Synthetic Metals</i> , 2014 , 196, 139-144	3.6	5
78	Charge Generation and Recombination in Fullerene-Attached Poly(3-hexylthiophene)-Based Diblock Copolymer Films. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10584-10589	3.8	29
77	Separated crystallization of donor and acceptor in oligo(p-phenylenevinylene)-naphthalenediimide dyad films. <i>Synthetic Metals</i> , 2014 , 197, 175-181	3.6	3
76	All-Polymer Solar Cell with High Near-Infrared Response Based on a Naphthodithiophene Diimide (NDTI) Copolymer. <i>ACS Macro Letters</i> , 2014 , 3, 872-875	6.6	105
75	Low band gap polymers for photovoltaic device with photocurrent response wavelengths over 1000nm. <i>Polymer</i> , 2013 , 54, 6501-6509	3.9	52
74	Hybrid solution-processed bulk heterojunction solar cells based on bismuth sulfide nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5482-7	3.6	36
73	Effects of a side chain sequence on surface segregation of regioregular poly(3-alkylthiophene) and interfacial modification of bilayer organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11867	13	5
72	Control of miscibility and aggregation via the material design and coating process for high-performance polymer blend solar cells. <i>Advanced Materials</i> , 2013 , 25, 6991-6	24	192
71	Synthesis of copolymer based on naphthalene diimide connected with a non-conjugated flexible linker. <i>Synthetic Metals</i> , 2013 , 175, 9-14	3.6	7
70	A Benzoselenadiazole-Based Low Band Gap Polymer: Synthesis and Photovoltaic Application. <i>Macromolecules</i> , 2013 , 46, 763-768	5.5	76

69	End-on orientation of semiconducting polymers in thin films induced by surface segregation of fluoroalkyl chains. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9644-7	16.4	58
68	Electric field-induced dipole switching at the donor/acceptor interface in organic solar cells. <i>Advanced Materials</i> , 2013 , 25, 1071-5	24	34
67	Synthesis and Characterization of End-Functionalized Poly(3-butylthiophene) with Semifluoroalkyl Chains. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 1326-1331	2.6	14
66	Donor/Acceptor Interface Modifications in Organic Solar Cells. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2013 , 26, 181-184	0.7	9
65	Introduction of a conjugated side chain as an effective approach to improving donor-acceptor photovoltaic polymers. <i>Energy and Environmental Science</i> , 2012 , 5, 9756	35.4	104
64	Synthesis, characterization, and photovoltaic properties of diketopyrrolopyrrole-oligothiophene/fullerene dyads. <i>Synthetic Metals</i> , 2012 , 162, 2201-2205	3.6	10
63	Morphological stability of organic solar cells based upon an oligo(p-phenylenevinylene)-C70 dyad. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16138-42	3.6	27
62	Synthesis and application of poly(fluorene-alt-naphthalene diimide) as an n-type polymer for all-polymer solar cells. <i>Chemical Communications</i> , 2012 , 48, 5283-5	5.8	90
61	Effects of block length in copolymers based on regioregular oligothiophenes linked with electron-accepting units. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 658-63	4.8	3
60	Controlled Synthesis of Fullerene-Attached Poly(3-alkylthiophene)-Based Copolymers for Rational Morphological Design in Polymer Photovoltaic Devices. <i>Macromolecules</i> , 2012 , 45, 6424-6437	5.5	62
59	Interfacial modification of organic photovoltaic devices by molecular self-organization. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3713-24	3.6	44
58	Conjugated Polymers Based on 1,3-Dithien-2-yl-thieno[3,4-c]pyrrole-4,6-dione: Synthesis, Characterization, and Solvent Effects on Photovoltaic Performance. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2608-2614	3.8	31
57	End-group stannylation of regioregular poly(3-hexylthiophene)s. <i>Polymer Journal</i> , 2012 , 44, 1145-1148	2.7	7
56	Preparation of active layers in polymer solar cells by aerosol jet printing. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4053-8	9.5	72
55	Independent Tuning of the Band Gap and Redox Potential of Graphene Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1119-24	6.4	164
54	Field-effect hole mobility of poly(3-hexylthiophene-block-3-(2-ethylhexyl)thiophene)s. <i>Synthetic Metals</i> , 2011 , 161, 225-228	3.6	13
53	Synthesis and photovoltaic application of donor-acceptor type copolymers containing 9-cyanomethylene-fluorene derivatives with chemically tunable electronic properties. <i>Synthetic Metals</i> , 2011 , 161, 1289-1298	3.6	6
52	Tailoring organic heterojunction interfaces in bilayer polymer photovoltaic devices. <i>Nature Materials</i> , 2011 , 10, 450-5	27	246

51	Nanostructure control in polymer solar cells by self-organization. <i>Chemical Record</i> , 2011 , 11, 8-17	6.6	8
50	Synthesis and Photovoltaic Properties of Donor-Acceptor Copolymer Based on Dithienopyrrole and Thienopyrroledione. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 305-310	2.6	30
49	Synthesis and characterizations of regioregular poly(3-alkylthiophene) with alternating dodecyl/1H,1H,2H,2H-perfluorooctyl side chains. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1478-1483	4.8	25
48	All-polymer solar cells from perylene diimide based copolymers: material design and phase separation control. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2799-803	16.4	379
47	Efficient charge generation and collection in organic solar cells based on low band gap dyad molecules. <i>Chemical Communications</i> , 2011 , 47, 6365-7	5.8	37
46	Experimental investigation of charge carrier transport in organic thin-film transistors with "buried surface layers". <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 139-42	9.5	18
45	Dipole Layer Formation by Surface Segregation of Regioregular Poly(3-alkylthiophene) with Alternating Alkyl/Semifluoroalkyl Side Chains. <i>Chemistry of Materials</i> , 2011 , 23, 4257-4263	9.6	34
44	Low Bandgap Polymers Based on Regioregular Oligothiophenes Linked with Electron Accepting Units. <i>Macromolecules</i> , 2011 , 44, 4222-4229	5.5	12
43	Synthesis of Thieno[3,4-b]pyrazine-Based and 2,1,3-Benzothiadiazole-Based Donor-Acceptor Copolymers and their Application in Photovoltaic Devices. <i>Macromolecules</i> , 2010 , 43, 2873-2879	5.5	99
42	Diketopyrrolopyrrole-Based Semiconducting Polymer for Photovoltaic Device with Photocurrent Response Wavelengths up to 1.1 μ m. <i>Macromolecules</i> , 2010 , 43, 821-826	5.5	173
41	Band gap and molecular energy level control of perylene diimide-based donor-acceptor copolymers for all-polymer solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2362		98
40	Fullerene attached all-semiconducting diblock copolymers for stable single-component polymer solar cells. <i>Chemical Communications</i> , 2010 , 46, 6723-5	5.8	123
39	Electrical instability of polymer thin-film transistors using contact film transfer methods. <i>Applied Physics Letters</i> , 2010 , 96, 243301	3.4	19
38	Synthesis and Photovoltaic Properties of Donor-Acceptor Copolymers Based on 5,8-Dithien-2-yl-2,3-diphenylquinoxaline. <i>Chemistry of Materials</i> , 2010 , 22, 4890-4895	9.6	123
37	High-performance polymer photovoltaic devices with inverted structure prepared by thermal lamination. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 1681-1684	6.4	29
36	Buffer layer formation in organic photovoltaic cells by self-organization of poly(dimethylsiloxane)s. <i>Organic Electronics</i> , 2009 , 10, 511-514	3.5	43
35	Synthesis and Characterization of Regioregular Cyano-Substituted Poly(p-phenylenevinylene). <i>Macromolecules</i> , 2009 , 42, 1785-1788	5.5	14
34	Surface-segregated monolayers: a new type of ordered monolayer for surface modification of organic semiconductors. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17597-604	16.4	75

33	Morphological Stabilization of Polymer Photovoltaic Cells by Using Cross-Linkable Poly(3-(5-hexenyl)thiophene). <i>Macromolecules</i> , 2009 , 42, 1610-1618	5.5	175
32	Nanostructure Formation in Poly(3-hexylthiophene-block-3-(2-ethylhexyl)thiophene)s. <i>Macromolecules</i> , 2009 , 42, 7008-7015	5.5	108
31	Polymer bulk heterojunction photovoltaic devices with multilayer structures prepared by thermal lamination. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2703-6	9.5	23
30	Synthesis and Photovoltaic Properties of Diketopyrrolopyrrole-Based Donor-Acceptor Copolymers. <i>Chemistry of Materials</i> , 2009 , 21, 4055-4061	9.6	273
29	Indolo[3,2-b]carbazole-based alternating donor-acceptor copolymers: synthesis, properties and photovoltaic application. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7730		90
28	Enhanced charge transport in polymer thin-film transistors prepared by contact film transfer method. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2660-6	9.5	60
27	Highly uniaxial orientation in oligo(p-phenylenevinylene) films induced during wet-coating process. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2464-5	16.4	37
26	Bilayer ambipolar organic thin-film transistors and inverters prepared by the contact-film-transfer method. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1865-8	9.5	76
25	Efficient dyad-based organic solar cells with a highly crystalline donor group. <i>Chemical Communications</i> , 2009 , 2469-71	5.8	62
24	Synthesis of all-conjugated diblock copolymers by quasi-living polymerization and observation of their microphase separation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7812-3	16.4	227
23	Synthesis and Photovoltaic Properties of a Novel Low Band Gap Polymer Based on N-Substituted Dithieno[3,2-b:2',3'-d]pyrrole. <i>Macromolecules</i> , 2008 , 41, 8302-8305	5.5	219
22	Efficiency enhancement of polymer photovoltaic devices hybridized with ZnO nanorod arrays by the introduction of a vanadium oxide buffer layer. <i>Applied Physics Letters</i> , 2008 , 93, 063308	3.4	151
21	Polymer Photovoltaic Devices Using Fully Regioregular Poly[(2-methoxy-5-(3,7-dimethyloctyloxy))-1,4-phenylenevinylene]. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8507-8510	3.8	49
20	The effect of crystallinity in donor groups on the performance of photovoltaic devices based on an oligothiophene-fullerene dyad. <i>Nanotechnology</i> , 2008 , 19, 424017	3.4	20
19	Charge Separation Interfaces in Polymer Photovoltaic Devices Hybridized with ZnO Nanorod Arrays. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 8049-8053	1.4	28
18	Self-Organized Buffer Layers in Organic Solar Cells. <i>Advanced Materials</i> , 2008 , 20, 2211-2216	2.4	229
17	Synthesis of Regioregular Poly(p-phenylenevinylene)s by Horner Reaction and Their Regioregularity Characterization. <i>Macromolecules</i> , 2007 , 40, 6521-6528	5.5	32
16	Supramolecular formation of fibrous nanostructure in donor-acceptor dyad film. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2440-2445		64

15	Physicochemical study of discotic liquid crystal decacyclene derivative and utilization in polymer photovoltaic devices. <i>Synthetic Metals</i> , 2007 , 157, 290-296	3.6	28
14	Efficient Charge Collection with ZnO Nanorod Array in Hybrid Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7218-7223	3.8	255
13	Design and Synthesis of TiO ₂ Nanorod Assemblies and Their Application for Photovoltaic Devices. <i>Chemistry of Materials</i> , 2006 , 18, 5080-5087	9.6	109
12	Photocatalytic Printing of Nanostructures on TiO ₂ Using Diblock Copolymer. <i>Chemistry of Materials</i> , 2006 , 18, 1386-1389	9.6	4
11	Nanostructured oligo(p-phenylene vinylene)/silicate hybrid films: one-step fabrication and energy transfer studies. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5488-95	16.4	32
10	Facile preparation of nanoelectrode ensembles using amphiphilic block copolymer film. <i>Langmuir</i> , 2005 , 21, 11592-5	4	24
9	Self-assembly and luminescence of oligo(p-phenylene vinylene) amphiphiles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 366-72	16.4	160
8	Mesostructured Materials for Controlled Macromolecular and Supramolecular Architectures. <i>Studies in Surface Science and Catalysis</i> , 2003 , 146, 517-522	1.8	1
7	Template synthesis of polypyrrole nanofibers insulated within one-dimensional silicate channels: hexagonal versus lamellar for recombination of polarons into bipolarons. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2154-7	16.4	166
6	Novel molecularly hybridized polyethylene/silica composite materials: Polymerization of ethylene with supported titanocenes by mesoporous silicates. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 4821-4825	2.5	20
5	Macromolecular synthesis using mesoporous zeolites. <i>Macromolecular Symposia</i> , 2000 , 157, 137-142	0.8	17
4	Controlled polymerizations with constrained geometries. <i>Chemical Communications</i> , 2000 , 2399-2412	5.8	166
3	Mesoporous Zeolite as a New Catalyst for Polymerization of Lactones. <i>Polymer Journal</i> , 1999 , 31, 1005-1008	10.8	21
2	Extrusion polymerization: catalyzed synthesis of crystalline linear polyethylene nanofibers within a mesoporous silica. <i>Science</i> , 1999 , 285, 2113-5	33.3	406
1	Mesoporous Zeolite as a New Class of Catalyst for Controlled Polymerization of Lactones. <i>Macromolecules</i> , 1998 , 31, 4069-4073	5.5	59