Fang-Chung Chen

List of Publications by Year
in descending order

148 papers	7,209 citations	61984 43 h-index	56724 83 g-index
150 all docs	150 docs citations	150 times ranked	8998 citing authors

#	Article	IF	Citations
1	Surface Plasmonic Effects of Metallic Nanoparticles on the Performance of Polymer Bulk Heterojunction Solar Cells. ACS Nano, 2011, 5, 959-967.	14.6	959
2	High-Conductivity Poly(3,4-ethylenedioxythiophene):Poly(styrene sulfonate) Film and Its Application in Polymer Optoelectronic Devices. Advanced Functional Materials, 2005, 15, 203-208.	14.9	835
3	Plasmonic-enhanced polymer photovoltaic devices incorporating solution-processable metal nanoparticles. Applied Physics Letters, 2009, 95, .	3.3	272
4	Increased open circuit voltage in fluorinated benzothiadiazole-based alternating conjugated polymers. Chemical Communications, 2011, 47, 11026.	4.1	241
5	High-performance polymer light-emitting diodes doped with a red phosphorescent iridium complex. Applied Physics Letters, 2002, 80, 2308-2310.	3.3	220
6	Organic thin-film transistors with nanocomposite dielectric gate insulator. Applied Physics Letters, 2004, 85, 3295-3297.	3.3	206
7	Plasmonic nanostructures for light trapping in organic photovoltaic devices. Nanoscale, 2014, 6, 8444.	5.6	150
8	Modified buffer layers for polymer photovoltaic devices. Applied Physics Letters, 2007, 90, 063509.	3.3	146
9	Toward Highâ€Performance Semiâ€Transparent Polymer Solar Cells: Optimization of Ultraâ€Thin Light Absorbing Layer and Transparent Cathode Architecture. Advanced Energy Materials, 2013, 3, 417-423.	19.5	141
10	Solvent mixtures for improving device efficiency of polymer photovoltaic devices. Applied Physics Letters, 2008, 92, 103316.	3.3	135
11	Energy transfer and triplet exciton confinement in polymeric electrophosphorescent devices. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2681-2690.	2.1	131
12	Triplet exciton confinement in phosphorescent polymer light-emitting diodes. Applied Physics Letters, 2003, 82, 1006-1008.	3.3	128
13	Improving the Light Trapping Efficiency of Plasmonic Polymer Solar Cells through Photon Management. Journal of Physical Chemistry C, 2012, 116, 20731-20737.	3.1	122
14	Synthesis of Main-Chain Polyoxometalate-Containing Hybrid Polymers and Their Applications in Photovoltaic Cells. Chemistry of Materials, 2005, 17, 402-408.	6.7	120
15	Morphological study of P3HT:PCBM blend films prepared through solvent annealing for solar cell applications. Solar Energy Materials and Solar Cells, 2010, 94, 2426-2430.	6.2	119
16	Degradation mechanism of phosphorescent-dye-doped polymer light-emitting diodes. Applied Physics Letters, 2001, 79, 2088-2090.	3.3	111
17	Cesium carbonate as a functional interlayer for polymer photovoltaic devices. Journal of Applied Physics, 2008, 103, .	2.5	104
18	Gold nanoparticle-decorated graphene oxides for plasmonic-enhanced polymer photovoltaic devices. Nanoscale, 2014, 6, 1573-1579.	5.6	103

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19	High-mobility low-bandgap conjugated copolymers based on indacenodithiophene and thiadiazolo[3,4-c]pyridine units for thin film transistor and photovoltaic applications. Journal of Materials Chemistry, 2011, 21, 13247.	6.7	102
20	Facile synthesis of a 56Ï€-electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. Chemical Communications, 2011, 47, 10082.	4.1	89
21	Microwave Annealing of Polymer Photovoltaic Devices. Advanced Materials, 2007, 19, 3520-3523.	21.0	85
22	Flexible Organometalâ€“Halide Perovskite Lasers for Speckle Reduction in Imaging Projection. ACS Nano, 2019, 13, 5421-5429.	14.6	84
23	Improved air stability of n-channel organic thin-film transistors with surface modification on gate dielectrics. Applied Physics Letters, 2008, 93, 103310.	3.3	78
24	Bandgap Engineering Enhances the Performance of Mixedâ€Cation Perovskite Materials for Indoor Photovoltaic Applications. Advanced Energy Materials, 2019, 9, 1901863.	19.5	78
25	Nanoscale functional interlayers formed through spontaneous vertical phase separation in polymer photovoltaic devices. Journal of Materials Chemistry, 2009, 19, 6865.	6.7	73
26	Chemically Doped and Cross-linked Hole-Transporting Materials as an Efficient Anode Buffer Layer for Polymer Solar Cells. Chemistry of Materials, 2011, 23, 5006-5015.	6.7	73
27	Improved thin film morphology and bulk-heterojunction solar cell performance through systematic tuning of the surface energy of conjugated polymers. Journal of Materials Chemistry, 2012, 22, 5587.	6.7	73
28	Toward Highâ€Performance Polymer Photovoltaic Devices for Lowâ€Power Indoor Applications. Solar Rrl, 2017, 1, 1700174.	5.8	73
29	Emerging Organic and Organic/Inorganic Hybrid Photovoltaic Devices for Specialty Applications: Lowâ€Levelâ€Lighting Energy Conversion and Biomedical Treatment. Advanced Optical Materials, 2019, 7, 1800662.	7.3	69
30	Low-voltage organic thin-film transistors with polymeric nanocomposite dielectrics. Organic Electronics, 2006, 7, 435-439.	2.6	67
31	Flexible Fullerene Fieldâ€Effect Transistors Fabricated Through Solution Processing. Advanced Materials, 2009, 21, 4845-4849.	21.0	60
32	Lasing behaviors upon phase transition in solution-processed perovskite thin films. Applied Physics Letters, 2014, 105, .	3.3	59
33	Synergistic Plasmonic Effects of Metal Nanoparticleâ€“Decorated PEGylated Graphene Oxides in Polymer Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 7397-7405.	8.0	58
34	Highly sensitive, low-voltage, organic photomultiple photodetectors exhibiting broadband response. Applied Physics Letters, 2010, 97, 103301.	3.3	57
35	Phosphorescent light-emitting electrochemical cell. Applied Physics Letters, 2002, 81, 4278-4280.	3.3	56
36	Organic Photovoltaics and Bioelectrodes Providing Electrical Stimulation for PC12 Cell Differentiation and Neurite Outgrowth. ACS Applied Materials & Interfaces, 2016, 8, 9275-9284.	8.0	56

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37	Copper phthalocyanine buffer layer to enhance the charge injection in organic thin-film transistors. Applied Physics Letters, 2007, 90, 073504.	3.3	55
38	Plasmonic-enhanced performance for polymer solar cells prepared with inverted structures. Applied Physics Letters, 2012, 101, 193902.	3.3	50
39	Highly efficient polymer light-emitting devices using a phosphorescent sensitizer. Applied Physics Letters, 2002, 81, 1509-1511.	3.3	49
40	Using a low temperature crystallization process to prepare anatase TiO2 buffer layers for air-stable inverted polymer solar cells. Energy and Environmental Science, 2010, 3, 654.	30.8	49
41	Spatial redistribution of the optical field intensity in inverted polymer solar cells. Applied Physics Letters, 2010, 96, 193304.	3.3	44
42	Extended spectral response in organic photomultiple photodetectors using multiple near-infrared dopants. Applied Physics Letters, 2012, 100, 013309.	3.3	44
43	Solution-Processed Nanocomposites Containing Molybdenum Oxide and Gold Nanoparticles as Anode Buffer Layers in Plasmonic-Enhanced Organic Photovoltaic Devices. ACS Applied Materials & Interfaces, 2013, 5, 12419-12424.	8.0	43
44	Seeded Spaceâ€Limited Crystallization of CH₃NH₃PbI₃ Singleâ€Crystal Plates for Perovskite Solar Cells. Advanced Electronic Materials, 2018, 4, 1700655.	5.1	43
45	Electrochemical characterization and electrocatalysis of high valent manganese meso-tetrakis(N-methyl-2-pyridyl)porphyrin. Journal of Electroanalytical Chemistry, 1999, 474, 52-59.	3.8	42
46	Influence of mechanical strain on the electrical properties of flexible organic thin-film transistors. Semiconductor Science and Technology, 2011, 26, 034005.	2.0	42
47	Self-Assembled Poly(ethylene glycol) Buffer Layers in Polymer Solar Cells: Toward Superior Stability and Efficiency. Journal of Physical Chemistry C, 2012, 116, 1354-1360.	3.1	42
48	Polymer photovoltaic devices with highly transparent cathodes. Organic Electronics, 2008, 9, 1132-1135.	2.6	41
49	Submicron-scale manipulation of phase separation in organic solar cells. Applied Physics Letters, 2008, 92, 023307.	3.3	41
50	Cross-Linkable Hole-Transport Materials Improve the Device Performance of Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 27006-27011.	8.0	41
51	Synthesis and properties of new dialkoxyphenylene quinoxalineâ€based donorâ€acceptor conjugated polymers and their applications on thin film transistors and solar cells. Journal of Polymer Science Part A, 2009, 47, 973-985.	2.3	40
52	Plasmonic-Enhanced Organic Photovoltaic Devices for Low-Power Light Applications. IEEE Journal of Photovoltaics, 2018, 8, 752-756.	2.5	39
53	Near-infrared laser-driven polymer photovoltaic devices and their biomedical applications. Energy and Environmental Science, 2011, 4, 3374.	30.8	37
54	Flexible Polymer Photovoltaic Devices Prepared With Inverted Structures on Metal Foils. IEEE Electron Device Letters, 2009, 30, 727-729.	3.9	35

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55	Plasmonic effects of copper nanoparticles in polymer photovoltaic devices for outdoor and indoor applications. Applied Physics Letters, 2020, 116, .	3.3	34
56	Electrogenerated chemiluminescence of sterically hindered porphyrins in aqueous media. Journal of Electroanalytical Chemistry, 2001, 499, 17-23.	3.8	33
57	Enhanced efficiency of plastic photovoltaic devices by blending with ionic solid electrolytes. Applied Physics Letters, 2004, 84, 3181-3183.	3.3	33
58	High-Performance Flexible Waveguiding Photovoltaics. Scientific Reports, 2013, 3, 2244.	3.3	33
59	Using Ink-Jet Printing and Coffee Ring Effect to Fabricate Refractive Microlens Arrays. IEEE Photonics Technology Letters, 2009, 21, 648-650.	2.5	32
60	Localized surface plasmon for enhanced lasing performance in solution-processed perovskites. Optics Express, 2016, 24, 20696.	3.4	29
61	Upconversion effects on the performance of near-infrared laser-driven polymer photovoltaic devices. Organic Electronics, 2012, 13, 2104-2108.	2.6	28
62	Controllable lasing performance in solution-processed organicâ€“inorganic hybrid perovskites. Nanoscale, 2016, 8, 18483-18488.	5.6	26
63	Single-layer triplet white polymer light-emitting diodes incorporating polymer oxides: Effect of charge trapping at phosphorescent dopants. Applied Physics Letters, 2009, 94, 043306.	3.3	24
64	Metal Nanoparticle-Decorated Two-Dimensional Molybdenum Sulfide for Plasmonic-Enhanced Polymer Photovoltaic Devices. Materials, 2015, 8, 5414-5425.	2.9	24
65	Molecular-weight-dependent nanoscale morphology in silole-containing cyclopentadithiophene polymer and fullerene derivative blends. Organic Electronics, 2011, 12, 1755-1762.	2.6	23
66	Flexible luminescent waveguiding photovoltaics exhibiting strong scattering effects from the dye aggregation. Nano Energy, 2015, 15, 729-736.	16.0	23
67	Flexible polymer solar cells prepared using hard stamps for the direct transfer printing of polymer blends with self-organized interfaces. Journal of Materials Chemistry, 2011, 21, 11378.	6.7	21
68	Small molecule based N-phenyl carbazole substituted diketopyrrolopyrroles as donors for solution-processed bulk heterojunction organic solar cells. Physical Chemistry Chemical Physics, 2016, 18, 22999-23005.	2.8	20
69	Interfacial plasmonic effects of gold nanoparticle-decorated graphene oxides on the performance of perovskite photovoltaic devices. Solar Energy, 2020, 211, 822-830.	6.1	20
70	Efficient Hole-Injection in Highly Transparent Organic Thin-Film Transistors. Electrochemical and Solid-State Letters, 2007, 10, H186.	2.2	19
71	Mn-Doped Organicâ€“Inorganic Perovskite Nanocrystals for a Flexible Luminescent Solar Concentrator. ACS Applied Energy Materials, 2021, 4, 10565-10573.	5.1	19
72	Enhanced Light Out-Coupling Efficiency of Organic Light-Emitting Diodes with Self-Organized Microlens Arrays. Japanese Journal of Applied Physics, 2006, 45, L1100-L1102.	1.5	18

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73	Construction and characteristics of tandem organic solar cells featuring small molecule-based films on polymer-based subcells. Journal Physics D: Applied Physics, 2010, 43, 025104.	2.8	18
74	New D-A1â€“D-A2-Type Regular Terpolymers Containing Benzothiadiazole and Benzotrithiophene Acceptor Units for Photovoltaic Application. ACS Applied Materials & Interfaces, 2016, 8, 32998-33009.	8.0	18
75	Localized surface plasmon resonance of copper nanoparticles improves the performance of quasi-two-dimensional perovskite light-emitting diodes. Dyes and Pigments, 2021, 188, 109204.	3.7	18
76	Symmetrical and unsymmetrical triphenylamine based diketopyrrolopyrroles and their use as donors for solution processed bulk heterojunction organic solar cells. RSC Advances, 2016, 6, 99685-99694.	3.6	17
77	Bidentate chelating ligands as effective passivating materials for perovskite light-emitting diodes. Physical Chemistry Chemical Physics, 2019, 21, 7867-7873.	2.8	17
78	Organic selective-area patterning method for microlens array fabrication. Microelectronic Engineering, 2006, 83, 1333-1335.	2.4	16
79	Synthesis and characterization of two new benzothiadiazole- andÂfused bithiophene based low band-gap Dâ€“A copolymers: Application as donor bulk heterojunction polymer solar cells. Polymer, 2015, 65, 193-201.	3.8	16
80	Organic thin-film transistors with reduced photosensitivity. Organic Electronics, 2007, 8, 767-772.	2.6	15
81	Morphological study on pentacene thin-film transistors: the influence of grain boundary on the electrical properties. Journal Physics D: Applied Physics, 2010, 43, 405103.	2.8	15
82	Nanogold-Carried Graphene Oxide: Anti-Inflammation and Increased Differentiation Capacity of Mesenchymal Stem Cells. Nanomaterials, 2021, 11, 2046.	4.1	15
83	Gateway towards recent developments in quantum dot-based light-emitting diodes. Nanoscale, 2022, 14, 4042-4064.	5.6	14
84	Prediction of non-radiative voltage losses in organic solar cells using machine learning. Solar Energy, 2021, 228, 175-186.	6.1	13
85	Photocurrent Suppression of Transparent Organic Thin Film Transistors. Japanese Journal of Applied Physics, 2007, 46, L1197.	1.5	12
86	Differential Spaceâ€Limited Crystallization of Mixedâ€Cation Lead Iodide Singleâ€Crystal Microâ€Plates Enhances the Performance of Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900130.	5.8	12
87	Synthesis of alternating Dâ€“A1â€“Dâ€“A2 terpolymers comprising two electron-deficient moieties, quinoxaline and benzothiadiazole units for photovoltaic applications. Polymer Chemistry, 2016, 7, 4025-4035.	3.9	11
88	Ring-Edged Bank Array Made by Inkjet Printing for Color Filters. Journal of Display Technology, 2009, 5, 162-165.	1.2	10
89	A New D-A conjugated polymer P(PTQD-BDT) with PTQD acceptor and BDT donor units for BHJ polymer solar cells application. Journal of Polymer Science Part A, 2015, 53, 2390-2398.	2.3	10
90	New alternating Dâ€“A₁â€“Dâ€“A₂ copolymer containing two electronâ€deficient moieties based on benzothiadiazole and 9â€(2â€Octyldodecyl)â€8Hâ€pyrrolo[3,4â€b]bisthieno[2,3â€f:3',2'â€h]quinoxalineâ€6,10(9H)â€dio for efficient polymer solar cells. Journal of Polymer Science Part A, 2016, 54, 155-168.	2.3	10

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91	High-Performance Single-Layer Polymer Electrophosphorescent Devices with Polymer Oxides. Electrochemical and Solid-State Letters, 2008, 11, J50.	2.2	9
92	New iridium-containing conjugated polymers for polymer solar cell applications. New Journal of Chemistry, 2018, 42, 17296-17302.	2.8	9
93	Accumulated plasmonic effects of gold nanoparticleâ˜decorated PEGylated graphene oxides in organic light-emitting diodes. Dyes and Pigments, 2020, 180, 108412.	3.7	9
94	1-(3-Methoxycarbonyl)propyl-2-selenyl-[6,6]-methanofullerene as a n-Type Material for Organic Solar Cells. Synthetic Metals, 2011, 161, 1264-1269.	3.9	8
95	Gold Nanoparticle-Graphene Oxide Nanocomposites That Enhance the Device Performance of Polymer Solar Cells. Journal of Nanomaterials, 2014, 2014, 1-12.	2.7	8
96	Organic solar cells comprising multiple-device stacked structures exhibiting complementary absorption behavior. Solar Energy Materials and Solar Cells, 2014, 120, 724-727.	6.2	7
97	Self-Organization of Microlens Arrays Caused by the Spin-Coating-Assisted Hydrophobic Effect. IEEE Photonics Technology Letters, 2006, 18, 2454-2456.	2.5	6
98	Air Stable Ambipolar Organic Field-Effect Transistors and Complementary-Like Inverters Prepared with Surface-Modified Gate Dielectrics. Electrochemical and Solid-State Letters, 2009, 12, H252.	2.2	6
99	Synthesis and characterization of well-dispersed multi-walled carbon nanotube/low-bandgap poly(3,4-alkoxythiophene) nanocomposites. Composites Science and Technology, 2010, 70, 1242-1248.	7.8	6
100	Two new Dâ€“A conjugated polymers P(PTQD-Th) and P(PTQD-2Th) with same 9-(2-octyldodecyl)-8 H -pyrrolo[3,4- b]bisthieno[2,3- f :3â€²,2â€²- h]quinoxaline-8,10(9 H)-dione acceptor and different donor units for BHJ polymer solar cells application. Organic Electronics, 2015, 24, 137-146.	2.6	6
101	Synthesis and characterization of Ï€-conjugated copolymers with thieno-imidazole units in the main chain: application for bulk heterojunction polymer solar cells. Physical Chemistry Chemical Physics, 2015, 17, 7888-7897.	2.8	6
102	Photoexfoliation of two-dimensional materials through continuous UV irradiation. Nanotechnology, 2017, 28, 125604.	2.6	6
103	Virtual Screening of Conjugated Polymers for Organic Photovoltaic Devices Using Support Vector Machines and Ensemble Learning. International Journal of Polymer Science, 2019, 2019, 1-7.	2.7	6
104	Localized surface plasmon resonance of Auâ€“Cu alloy nanoparticles enhances the performance of polymer photovoltaic devices for outdoor and indoor applications. Optical Materials Express, 2021, 11, 1037.	3.0	6
105	Hybrid TiOx/fluoropolymer bi-layer dielectrics for low-voltage complementary inverters. Organic Electronics, 2010, 11, 154-158.	2.6	5
106	Reduced optical loss in mechanically stacked multi-junction organic solar cells exhibiting complementary absorptions. Optics Express, 2014, 22, A481.	3.4	5
107	Efficiency improvement of organic bifunctional devices by applying omnidirectional antireflection nanopillars. RSC Advances, 2014, 4, 9588.	3.6	5
108	Plasmonic Effects on Bulk Heterojunction Polymer Solar Cells: A Transient Photovoltage and Differential Charging Study. Science of Advanced Materials, 2017, 9, 1435-1439.	0.7	5

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109	Efficient organic optoelectronics with multilayer structures. Journal of Materials Chemistry, 2012, 22, 1364-1369.	6.7	4
110	Simple source/drain contact structure for solution-processed n-channel fullerene thin-film transistors. Organic Electronics, 2012, 13, 599-603.	2.6	4
111	Polymer-capped copper nanoparticles trigger plasmonic field for improving performance of perovskite solar cells. Synthetic Metals, 2021, 273, 116675.	3.9	4
112	Ternary polymer solar cells based on wide bandgap and narrow bandgap non-fullerene acceptors with an efficiency of 16.40 % and a low energy loss of 0.53ÂeV. Materials Today Energy, 2021, 21, 100843.	4.7	4
113	P-195: Enhanced Light Out-Coupling Efficiency of OLEDs with Self-organized Microlens Arrays. Digest of Technical Papers SID International Symposium, 2006, 37, 961.	0.3	3
114	31.3: The Fabrication of Single Substrate Multi-Color Cholesteric Liquid Crystal Display by Ink-Jet Printing. Digest of Technical Papers SID International Symposium, 2008, 39, 437.	0.3	3
115	Organic thin-film transistors with color filtering functional gate insulators. Applied Physics Letters, 2008, 93, 053305.	3.3	3
116	Photoerasable Organic Nonvolatile Memory Devices Based on Hafnium Silicate Insulators. IEEE Electron Device Letters, 2011, 32, 1740-1742.	3.9	3
117	Highâ€performance solutionâ€processed amorphous ZrInZnO thinâ€film transistors. Physica Status Solidi - Rapid Research Letters, 2012, 6, 400-402.	2.4	3
118	Position Effects of Metal Nanoparticles on the Performance of Perovskite Light-Emitting Diodes. Nanomaterials, 2021, 11, 993.	4.1	3
119	Stacked Structures for Assembling Multiple Organic Photovoltaic Devices. Applied Physics Express, 2012, 5, 072301.	2.4	3
120	A single-substrate multicolor cholesteric liquid-crystal display prepared through ink-jet printing. Journal of the Society for Information Display, 2009, 17, 795.	2.1	2
121	Pâ€10: CMOSâ€Like Ambipolar Organic/Inorganic TFTs for AMLCD and AMOLED Applications. Digest of Technical Papers SID International Symposium, 2009, 40, 1113-1116.	0.3	2
122	P-32: A New Driving Pixel Circuit to Alleviate AMOLED Degradation. Digest of Technical Papers SID International Symposium, 2010, 41, 1340.	0.3	2
123	Suppression of phase separation through blending of electron transporting materials in polymer electrophosphorescent devices. Journal of Luminescence, 2011, 131, 565-569.	3.1	2
124	Conjugated poly(fluoroalkyl 3-thienylacetate)s synthesized in supercritical carbon dioxide. Doklady Chemistry, 2012, 443, 101-106.	0.9	2
125	New donor-acceptor benzotrithiophene-containing conjugated polymers for solar cells. AIP Conference Proceedings, 2014, , .	0.4	2
126	Efficient and stable polymer solar cells prepared using plasmonic graphene oxides as anode buffers. Semiconductor Science and Technology, 2015, 30, 085013.	2.0	2

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127	Novel regular Dâ€“A-conjugated polymers based on 2,6-bis(6-fluoro-2-hexyl-2H-benzotriazol-4-yl)-4,4-bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-bâ€²]dithiophene derivatives: Synthesis, optoelectronic, and electrochemical properties. Doklady Chemistry, 2016, 470, 274-278.	0.9	2
128	Photovoltaics: Bandgap Engineering Enhances the Performance of Mixedâ€Cation Perovskite Materials for Indoor Photovoltaic Applications (Adv. Energy Mater. 37/2019). Advanced Energy Materials, 2019, 9, 1970143.	19.5	2
129	p-doping the interfacial layers with tetrakis(pentafluorophenyl)borate improves the power conversion efficiencies in single-crystal perovskite solar cells. Surfaces and Interfaces, 2022, 30, 101858.	3.0	2
130	Asymmetrical Single Crystals Containing Tilted Ruddlesdenâ€“Popper Phases for Efficient Perovskite Solar Cells. Solar Rrl, 0, , 2200562.	5.8	2
131	P-156: Polymeric Electrophosphorescent Devices with Low Turn-on Voltages and High Power Conversion Efficiency by Blending with Poly(ethylene glycol). Digest of Technical Papers SID International Symposium, 2007, 38, 788-791.	0.3	1
132	Pâ€122: Luminous and Conversion Efficiency Improvement in OLED/OPV Tandem Device with Omnidirectional Antireflection Nanopillars. Digest of Technical Papers SID International Symposium, 2012, 43, 1516-1519.	0.3	1
133	New conjugated electroluminescent triphenylamine-containing polymers with side-chain pyridin-2-ylimidazo[1,5-a]pyridine groups for polymer light-emitting diodes. Doklady Chemistry, 2013, 450, 165-172.	0.9	1
134	Tunable microcavities in organic light-emitting diodes by way of low-refractive-index polymer doping. Organic Electronics, 2014, 15, 3648-3653.	2.6	1
135	Enhanced Lasing Performance in Solution-processed Lead Halide Perovskites Covered with PMMA and Ag. , 2016, , .		1
136	Transparent OTFTs with Color-Filtering Functional Gate Insulators. ECS Transactions, 2007, 8, 275-281.	0.5	0
137	Ring Edge in Film Morphology: Benefit or Obstacle for Ink Jet Fabrication of Organic Thin Film Transistors. Journal of Imaging Science and Technology, 2007, 51, 461.	0.5	0
138	P-10: Transparent OTFTs with Color Filtering Functional Gate Insulators. Digest of Technical Papers SID International Symposium, 2007, 38, 206-209.	0.3	0
139	P-223: Enhanced Power Efficiency of Single-Layer White Triplet Polymer Light-Emitting Diodes by Blending with Polymer Oxides. Digest of Technical Papers SID International Symposium, 2008, 39, 2043.	0.3	0
140	Light harvesting schemes for high-performance polymer solar cells. , 2010, , .		0
141	Plasmonic-enhanced polymer photovoltaic devices incorporating Au nanoparticles. , 2010, , .		0
142	Highly-stable and efficient polymer solar cells incorporating nanoscale buffer layers induced by spontaneous vertical phase separation. , 2010, , .		0
143	P.116: Light Extraction Improvement of Flexible Topâ€Emitting Organic Lightâ€Emitting Devices by Using Nanoimprinted Periodically Corrugated Polycarbonate Substrate. Digest of Technical Papers SID International Symposium, 2013, 44, 1421-1423.	0.3	0
144	Green synthesis of gold nanoparticleâ€“decorated graphene oxides that enhance the photocurrent in polymer solar cells. Materials Research Society Symposia Proceedings, 2014, 1668, 23.	0.1	0

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145	Plasmonic effects of amphiphilic gold nanoparticles in polymer optoelectronic devices. , 2016, , .		0
146	Synthesis, characterization and photovoltaic properties of new iridium-containing conjugated polymers. AIP Conference Proceedings, 2018, , .	0.4	0
147	High-Performance Bulk-Heterojunction Polymer Solar Cells. Green Energy and Technology, 2014, , 167-187.	0.6	0
148	Surface Plasmonic Effects of Nanostructures on the Performance of Polymer Solar Cells. Topics in Applied Physics, 2015, , 299-313.	0.8	0