# Fang-Chung Chen

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Gateway towards recent developments in quantum dot-based light-emitting diodes. Nanoscale, 2022, 14, 4042-4064. | 5.6 | 14 |
| 2 | 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 |
| 3 | Polymer-capped copper nanoparticles trigger plasmonic field for improving performance of perovskite solar cells. Synthetic Metals, 2021, 273, 116675. | 3.9 | 4 |
| 4 | 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 |
| 5 | 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 |
| 6 | Position Effects of Metal Nanoparticles on the Performance of Perovskite Light-Emitting Diodes. Nanomaterials, 2021, 11, 993. | 4.1 | 3 |
| 7 | Nanogold-Carried Graphene Oxide: Anti-Inflammation and Increased Differentiation Capacity of Mesenchymal Stem Cells. Nanomaterials, 2021, 11, 2046. | 4.1 | 15 |
| 8 | 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 |
| 9 | Prediction of non-radiative voltage losses in organic solar cells using machine learning. Solar Energy, 2021, 228, 175-186. | 6.1 | 13 |
| 10 | Mn-Doped Organicâ€“Inorganic Perovskite Nanocrystals for a Flexible Luminescent Solar Concentrator. ACS Applied Energy Materials, 2021, 4, 10565-10573. | 5.1 | 19 |
| 11 | 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 |
| 12 | Plasmonic effects of copper nanoparticles in polymer photovoltaic devices for outdoor and indoor applications. Applied Physics Letters, 2020, 116, . | 3.3 | 34 |
| 13 | Accumulated plasmonic effects of gold nanoparticleâ˜decorated PEGylated graphene oxides in organic light-emitting diodes. Dyes and Pigments, 2020, 180, 108412. | 3.7 | 9 |
| 14 | Bandgap Engineering Enhances the Performance of Mixedâ€Cation Perovskite Materials for Indoor Photovoltaic Applications. Advanced Energy Materials, 2019, 9, 1901863. | 19.5 | 78 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Flexible Organometalâ€“Halide Perovskite Lasers for Speckle Reduction in Imaging Projection. ACS Nano, 2019, 13, 5421-5429. | 14.6 | 84 |

| # | Article | IF | Citations |
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| 19 | Bidentate chelating ligands as effective passivating materials for perovskite light-emitting diodes. Physical Chemistry Chemical Physics, 2019, 21, 7867-7873. | 2.8 | 17 |
| 20 | 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 |
| 21 | Plasmonic-Enhanced Organic Photovoltaic Devices for Low-Power Light Applications. IEEE Journal of Photovoltaics, 2018, 8, 752-756. | 2.5 | 39 |
| 22 | New iridium-containing conjugated polymers for polymer solar cell applications. New Journal of Chemistry, 2018, 42, 17296-17302. | 2.8 | 9 |
| 23 | Seeded Spaceâ€Limited Crystallization of CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Singleâ€Crystal Plates for Perovskite Solar Cells. Advanced Electronic Materials, 2018, 4, 1700655. | 5.1 | 43 |
| 24 | Synthesis, characterization and photovoltaic properties of new iridium-containing conjugated polymers. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 25 | Photoexfoliation of two-dimensional materials through continuous UV irradiation. Nanotechnology, 2017, 28, 125604. | 2.6 | 6 |
| 26 | Toward Highâ€Performance Polymer Photovoltaic Devices for Lowâ€Power Indoor Applications. Solar Rrl, 2017, 1, 1700174. | 5.8 | 73 |
| 27 | 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 |
| 28 | New alternating Dâ€“A<sub>1</sub>â€“Dâ€“A<sub>2</sub> 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€8,10(9H)â€dio for efficient polymer solar cells. Journal of Polymer Science Part A, 2016, 54, 155-168. | 2.3 | 10 |
| 29 | 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 |
| 30 | 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 |
| 31 | Controllable lasing performance in solution-processed organicâ€“inorganic hybrid perovskites. Nanoscale, 2016, 8, 18483-18488. | 5.6 | 26 |
| 32 | 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 |
| 33 | Plasmonic effects of amphiphilic gold nanoparticles in polymer optoelectronic devices. , 2016, , . | | 0 |
| 34 | 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 |
| 35 | Localized surface plasmon for enhanced lasing performance in solution-processed perovskites. Optics Express, 2016, 24, 20696. | 3.4 | 29 |
| 36 | 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 |

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| 37 | 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 |
| 38 | 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 |
| 39 | Enhanced Lasing Performance in Solution-processed Lead Halide Perovskites Covered with PMMA and Ag. , 2016, , . | | 1 |
| 40 | 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 |
| 41 | Metal Nanoparticle-Decorated Two-Dimensional Molybdenum Sulfide for Plasmonic-Enhanced Polymer Photovoltaic Devices. Materials, 2015, 8, 5414-5425. | 2.9 | 24 |
| 42 | 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 |
| 43 | 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 |
| 44 | Efficient and stable polymer solar cells prepared using plasmonic graphene oxides as anode buffers. Semiconductor Science and Technology, 2015, 30, 085013. | 2.0 | 2 |
| 45 | 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 |
| 46 | 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 |
| 47 | Flexible luminescent waveguiding photovoltaics exhibiting strong scattering effects from the dye aggregation. Nano Energy, 2015, 15, 729-736. | 16.0 | 23 |
| 48 | Surface Plasmonic Effects of Nanostructures on the Performance of Polymer Solar Cells. Topics in Applied Physics, 2015, , 299-313. | 0.8 | 0 |
| 49 | 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 |
| 50 | Gold Nanoparticle-Graphene Oxide Nanocomposites That Enhance the Device Performance of Polymer Solar Cells. Journal of Nanomaterials, 2014, 2014, 1-12. | 2.7 | 8 |
| 51 | New donor-acceptor benzotrithiophene-containing conjugated polymers for solar cells. AIP Conference Proceedings, 2014, , . | 0.4 | 2 |
| 52 | Lasing behaviors upon phase transition in solution-processed perovskite thin films. Applied Physics Letters, 2014, 105, . | 3.3 | 59 |
| 53 | Reduced optical loss in mechanically stacked multi-junction organic solar cells exhibiting complementary absorptions. Optics Express, 2014, 22, A481. | 3.4 | 5 |
| 54 | 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 |

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| 55 | Gold nanoparticle-decorated graphene oxides for plasmonic-enhanced polymer photovoltaic devices. Nanoscale, 2014, 6, 1573-1579. | 5.6 | 103 |
| 56 | Tunable microcavities in organic light-emitting diodes by way of low-refractive-index polymer doping. Organic Electronics, 2014, 15, 3648-3653. | 2.6 | 1 |
| 57 | Efficiency improvement of organic bifunctional devices by applying omnidirectional antireflection nanopillars. RSC Advances, 2014, 4, 9588. | 3.6 | 5 |
| 58 | Plasmonic nanostructures for light trapping in organic photovoltaic devices. Nanoscale, 2014, 6, 8444. | 5.6 | 150 |
| 59 | High-Performance Bulk-Heterojunction Polymer Solar Cells. Green Energy and Technology, 2014, , 167-187. | 0.6 | 0 |
| 60 | High-Performance Flexible Waveguiding Photovoltaics. Scientific Reports, 2013, 3, 2244. | 3.3 | 33 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Extended spectral response in organic photomultiple photodetectors using multiple near-infrared dopants. Applied Physics Letters, 2012, 100, 013309. | 3.3 | 44 |
| 66 | 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 |
| 67 | Efficient organic optoelectronics with multilayer structures. Journal of Materials Chemistry, 2012, 22, 1364-1369. | 6.7 | 4 |
| 68 | Upconversion effects on the performance of near-infrared laser-driven polymer photovoltaic devices. Organic Electronics, 2012, 13, 2104-2108. | 2.6 | 28 |
| 69 | 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 |
| 70 | 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 |
| 71 | Highâ€performance solutionâ€processed amorphous ZrInZnO thinâ€film transistors. Physica Status Solidi - Rapid Research Letters, 2012, 6, 400-402. | 2.4 | 3 |
| 72 | Plasmonic-enhanced performance for polymer solar cells prepared with inverted structures. Applied Physics Letters, 2012, 101, 193902. | 3.3 | 50 |

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| 73 | 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 |
| 74 | Simple source/drain contact structure for solution-processed n-channel fullerene thin-film transistors. Organic Electronics, 2012, 13, 599-603. | 2.6 | 4 |
| 75 | Conjugated poly(fluoroalkyl 3-thienylacetate)s synthesized in supercritical carbon dioxide. Doklady Chemistry, 2012, 443, 101-106. | 0.9 | 2 |
| 76 | Stacked Structures for Assembling Multiple Organic Photovoltaic Devices. Applied Physics Express, 2012, 5, 072301. | 2.4 | 3 |
| 77 | Photoerasable Organic Nonvolatile Memory Devices Based on Hafnium Silicate Insulators. IEEE Electron Device Letters, 2011, 32, 1740-1742. | 3.9 | 3 |
| 78 | 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 |
| 79 | Influence of mechanical strain on the electrical properties of flexible organic thin-film transistors. Semiconductor Science and Technology, 2011, 26, 034005. | 2.0 | 42 |
| 80 | 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 |
| 81 | 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 |
| 82 | Increased open circuit voltage in fluorinated benzothiadiazole-based alternating conjugated polymers. Chemical Communications, 2011, 47, 11026. | 4.1 | 241 |
| 83 | 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 |
| 84 | 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 |
| 85 | Near-infrared laser-driven polymer photovoltaic devices and their biomedical applications. Energy and Environmental Science, 2011, 4, 3374. | 30.8 | 37 |
| 86 | Surface Plasmonic Effects of Metallic Nanoparticles on the Performance of Polymer Bulk Heterojunction Solar Cells. ACS Nano, 2011, 5, 959-967. | 14.6 | 959 |
| 87 | Molecular-weight-dependent nanoscale morphology in silole-containing cyclopentadithiophene polymer and fullerene derivative blends. Organic Electronics, 2011, 12, 1755-1762. | 2.6 | 23 |
| 88 | Suppression of phase separation through blending of electron transporting materials in polymer electrophosphorescent devices. Journal of Luminescence, 2011, 131, 565-569. | 3.1 | 2 |
| 89 | P-32: A New Driving Pixel Circuit to Alleviate AMOLED Degradation. Digest of Technical Papers SID International Symposium, 2010, 41, 1340. | 0.3 | 2 |
| 90 | Hybrid TiOx/fluoropolymer bi-layer dielectrics for low-voltage complementary inverters. Organic Electronics, 2010, 11, 154-158. | 2.6 | 5 |

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| 91 | 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 |
| 92 | 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 |
| 93 | Light harvesting schemes for high-performance polymer solar cells. , 2010, , . | | 0 |
| 94 | Highly sensitive, low-voltage, organic photomultiple photodetectors exhibiting broadband response. Applied Physics Letters, 2010, 97, 103301. | 3.3 | 57 |
| 95 | 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 |
| 96 | 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 |
| 97 | Spatial redistribution of the optical field intensity in inverted polymer solar cells. Applied Physics Letters, 2010, 96, 193304. | 3.3 | 44 |
| 98 | 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 |
| 99 | Plasmonic-enhanced polymer photovoltaic devices incorporating Au nanoparticles. , 2010, , . | | 0 |
| 100 | Highly-stable and efficient polymer solar cells incorporating nanoscale buffer layers induced by spontaneous vertical phase separation. , 2010, , . | | 0 |
| 101 | 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 |
| 102 | Flexible Fullerene Fieldâ€Effect Transistors Fabricated Through Solution Processing. Advanced Materials, 2009, 21, 4845-4849. | 21.0 | 60 |
| 103 | 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 |
| 104 | Plasmonic-enhanced polymer photovoltaic devices incorporating solution-processable metal nanoparticles. Applied Physics Letters, 2009, 95, . | 3.3 | 272 |
| 105 | Ring-Edged Bank Array Made by Inkjet Printing for Color Filters. Journal of Display Technology, 2009, 5, 162-165. | 1.2 | 10 |
| 106 | Using Ink-Jet Printing and Coffee Ring Effect to Fabricate Refractive Microlens Arrays. IEEE Photonics Technology Letters, 2009, 21, 648-650. | 2.5 | 32 |
| 107 | Flexible Polymer Photovoltaic Devices Prepared With Inverted Structures on Metal Foils. IEEE Electron Device Letters, 2009, 30, 727-729. | 3.9 | 35 |
| 108 | Nanoscale functional interlayers formed through spontaneous vertical phase separation in polymer photovoltaic devices. Journal of Materials Chemistry, 2009, 19, 6865. | 6.7 | 73 |

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| 109 | 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 |
| 110 | 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 |
| 111 | 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 |
| 112 | Polymer photovoltaic devices with highly transparent cathodes. Organic Electronics, 2008, 9, 1132-1135. | 2.6 | 41 |
| 113 | Cesium carbonate as a functional interlayer for polymer photovoltaic devices. Journal of Applied Physics, 2008, 103, . | 2.5 | 104 |
| 114 | Solvent mixtures for improving device efficiency of polymer photovoltaic devices. Applied Physics Letters, 2008, 92, 103316. | 3.3 | 135 |
| 115 | High-Performance Single-Layer Polymer Electrophosphorescent Devices with Polymer Oxides. Electrochemical and Solid-State Letters, 2008, 11, J50. | 2.2 | 9 |
| 116 | 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 |
| 117 | Submicron-scale manipulation of phase separation in organic solar cells. Applied Physics Letters, 2008, 92, 023307. | 3.3 | 41 |
| 118 | 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 |
| 119 | 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 |
| 120 | Organic thin-film transistors with color filtering functional gate insulators. Applied Physics Letters, 2008, 93, 053305. | 3.3 | 3 |
| 121 | Transparent OTFTs with Color-Filtering Functional Gate Insulators. ECS Transactions, 2007, 8, 275-281. | 0.5 | 0 |
| 122 | Photocurrent Suppression of Transparent Organic Thin Film Transistors. Japanese Journal of Applied Physics, 2007, 46, L1197. | 1.5 | 12 |
| 123 | Copper phthalocyanine buffer layer to enhance the charge injection in organic thin-film transistors. Applied Physics Letters, 2007, 90, 073504. | 3.3 | 55 |
| 124 | Efficient Hole-Injection in Highly Transparent Organic Thin-Film Transistors. Electrochemical and Solid-State Letters, 2007, 10, H186. | 2.2 | 19 |
| 125 | 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 |
| 126 | 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 |

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| 127 | P-10: Transparent OTFTs with Color Filtering Functional Gate Insulators. Digest of Technical Papers SID International Symposium, 2007, 38, 206-209. | 0.3 | 0 |
| 128 | Modified buffer layers for polymer photovoltaic devices. Applied Physics Letters, 2007, 90, 063509. | 3.3 | 146 |
| 129 | Microwave Annealing of Polymer Photovoltaic Devices. Advanced Materials, 2007, 19, 3520-3523. | 21.0 | 85 |
| 130 | Organic thin-film transistors with reduced photosensitivity. Organic Electronics, 2007, 8, 767-772. | 2.6 | 15 |
| 131 | Self-Organization of Microlens Arrays Caused by the Spin-Coating-Assisted Hydrophobic Effect. IEEE Photonics Technology Letters, 2006, 18, 2454-2456. | 2.5 | 6 |
| 132 | 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 |
| 133 | Low-voltage organic thin-film transistors with polymeric nanocomposite dielectrics. Organic Electronics, 2006, 7, 435-439. | 2.6 | 67 |
| 134 | Organic selective-area patterning method for microlens array fabrication. Microelectronic Engineering, 2006, 83, 1333-1335. | 2.4 | 16 |
| 135 | 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 |
| 136 | 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 |
| 137 | Synthesis of Main-Chain Polyoxometalate-Containing Hybrid Polymers and Their Applications in Photovoltaic Cells. Chemistry of Materials, 2005, 17, 402-408. | 6.7 | 120 |
| 138 | Enhanced efficiency of plastic photovoltaic devices by blending with ionic solid electrolytes. Applied Physics Letters, 2004, 84, 3181-3183. | 3.3 | 33 |
| 139 | Organic thin-film transistors with nanocomposite dielectric gate insulator. Applied Physics Letters, 2004, 85, 3295-3297. | 3.3 | 206 |
| 140 | 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 |
| 141 | Triplet exciton confinement in phosphorescent polymer light-emitting diodes. Applied Physics Letters, 2003, 82, 1006-1008. | 3.3 | 128 |
| 142 | Highly efficient polymer light-emitting devices using a phosphorescent sensitizer. Applied Physics Letters, 2002, 81, 1509-1511. | 3.3 | 49 |
| 143 | High-performance polymer light-emitting diodes doped with a red phosphorescent iridium complex. Applied Physics Letters, 2002, 80, 2308-2310. | 3.3 | 220 |
| 144 | Phosphorescent light-emitting electrochemical cell. Applied Physics Letters, 2002, 81, 4278-4280. | 3.3 | 56 |

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| 145 | Electrogenerated chemiluminescence of sterically hindered porphyrins in aqueous media. Journal of Electroanalytical Chemistry, 2001, 499, 17-23. | 3.8 | 33 |
| 146 | Degradation mechanism of phosphorescent-dye-doped polymer light-emitting diodes. Applied Physics Letters, 2001, 79, 2088-2090. | 3.3 | 111 |
| 147 | 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 |
| 148 | Asymmetrical Single Crystals Containing Tilted Ruddlesdenâ€“Popper Phases for Efficient Perovskite Solar Cells. Solar Rrl, 0, , 2200562. | 5.8 | 2 |