

# Franco Cacialli

## List of Publications by Year in descending order

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299  
papers

14,382  
citations

26630

56  
h-index

24258

110  
g-index

341  
all docs

341  
docs citations

341  
times ranked

14843  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diarylethenes in Optically Switchable Organic Light-Emitting Diodes: Direct Investigation of the Reversible Charge Carrier Trapping Process. <i>Advanced Optical Materials</i> , 2022, 10, 2101116.	7.3	4
2	A porphyrin pentamer as a bright emitter for NIR OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5929-5933.	5.5	6
3	Ultrathin, Ultra-Conformable, and Free-Standing Tattooable Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2021, 7, 2001145.	5.1	19
4	Inverted organic photovoltaics with a solution-processed ZnO/MgO electron transport bilayer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3901-3910.	5.5	8
5	Intrinsic photogeneration of long-lived charges in a donor-orthogonal acceptor conjugated polymer. <i>Chemical Science</i> , 2021, 12, 8165-8177.	7.4	3
6	Perspectives of Organic and Perovskite-Based Spintronics. <i>Advanced Optical Materials</i> , 2021, 9, 2100215.	7.3	46
7	Non-toxic near-infrared light-emitting diodes. <i>IScience</i> , 2021, 24, 102545.	4.1	14
8	Perspectives of Organic and Perovskite-Based Spintronics ( <i>Advanced Optical Materials</i> 14/2021). <i>Advanced Optical Materials</i> , 2021, 9, 2170053.	7.3	1
9	Nanoscale Photoluminescence Manipulation in Monolithic Porous Silicon Oxide Microcavity Coated with Rhodamine-Labeled Polyelectrolyte via Electrostatic Nanoassembly. <i>Advanced Optical Materials</i> , 2021, 9, 2100036.	7.3	7
10	Molecular Encapsulation of Naphthalene Diimide (NDI) Based Conjugated Polymers: A Tool for Understanding Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25005-25012.	13.8	18
11	Towards efficient near-infrared fluorescent organic light-emitting diodes. <i>Light: Science and Applications</i> , 2021, 10, 18.	16.6	46
12	Expanded Multiband Super-Nyquist CAP Modulation for Highly Bandlimited Organic Visible Light Communications. <i>IEEE Systems Journal</i> , 2020, 14, 2544-2550.	4.6	7
13	Doubly Encapsulated Perylene Diimides: Effect of Molecular Encapsulation on Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2020, 85, 207-214.	3.2	25
14	Lanthanide-Induced Photoluminescence in Lead-Free Cs <sub>2</sub> AgBiBr <sub>6</sub> Bulk Perovskite: Insights from Optical and Theoretical Investigations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8893-8900.	4.6	38
15	Suppressing Solid-State Quenching in Red-Emitting Conjugated Polymers. <i>Chemistry of Materials</i> , 2020, 32, 10140-10145.	6.7	23
16	Chiral Oligothiophenes with Remarkable Circularly Polarized Luminescence and Electroluminescence in Thin Films. <i>Chemistry - A European Journal</i> , 2020, 26, 16622-16627.	3.3	37
17	Modulating the luminance of organic light-emitting diodes via optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , 2020, 12, 5444-5451.	5.6	14
18	Visible light communication with efficient far-red/near-infrared polymer light-emitting diodes. <i>Light: Science and Applications</i> , 2020, 9, 70.	16.6	97

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19	Low-Temperature Solution-Processed Thin SnO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Double Electron Transport Layers Toward 20% Efficient Perovskite Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1309-1315.	2.5	21
20	Optoelectronic Modelling, Circuit Design and Modulation for Polymer-Light Emitting Diodes for Visible Light Communication Systems. , 2019, , .		0
21	Experimental Demonstration of Staggered CAP Modulation for Low Bandwidth Red-Emitting Polymer-LED Based Visible Light Communications. , 2019, , .		5
22	Near-Infrared (NIR) Organic Light-Emitting Diodes (OLEDs): Challenges and Opportunities. Advanced Functional Materials, 2019, 29, 1807623.	14.9	371
23	Will This Be the Century of Photonics? An Organic and Bio-Inspired Materials Perspective. Advanced Functional Materials, 2019, 29, 1902112.	14.9	0
24	Perovskite solar cell resilience to fast neutrons. Sustainable Energy and Fuels, 2019, 3, 2561-2566.	4.9	35
25	Mapping Sub-Surface Structure of Thin Films in Three Dimensions with an Optical Near-Field. Advanced Theory and Simulations, 2019, 2, 1900033.	2.8	1
26	Optically switchable organic light-emitting transistors. Nature Nanotechnology, 2019, 14, 347-353.	31.5	139
27	Strategies for organic VLC: effects of clipping on the performance of multi-band CAP modulation with polymer-based light-emitting diodes. , 2019, , .		0
28	Hybrid Super-Nyquist CAP Modulation based VLC with Low Bandwidth Polymer LEDs. , 2019, , .		3
29	A film-forming graphene/diketopyrrolopyrrole covalent hybrid with far-red optical features: Evidence of photo-stability. Synthetic Metals, 2019, 258, 116201.	3.9	7
30	The resurgence of organic photovoltaics. Current Opinion in Green and Sustainable Chemistry, 2019, 17, 15-20.	5.9	6
31	Highly efficient perovskite solar cells for light harvesting under indoor illumination via solution processed SnO <sub>2</sub> /MgO composite electron transport layers. Nano Energy, 2018, 49, 290-299.	16.0	205
32	Polystyrene nanoparticle-templated hollow titania nanosphere monolayers as ordered scaffolds. Journal of Materials Chemistry C, 2018, 6, 2502-2508.	5.5	18
33	Highly Luminescent Encapsulated Narrow Bandgap Polymers Based on Diketopyrrolopyrrole. Journal of the American Chemical Society, 2018, 140, 1622-1626.	13.7	70
34	Assembly of graphene nanoflake-quantum dot hybrids in aqueous solution and their performance in light-harvesting applications. Nanoscale, 2018, 10, 19678-19683.	5.6	4
35	C-Si hybrid photonic structures by full infiltration of conjugated polymers into porous silicon rugate filters. Nanomaterials and Nanotechnology, 2018, 8, 184798041878840.	3.0	4
36	Black GaAs by Metal-Assisted Chemical Etching. ACS Applied Materials & Interfaces, 2018, 10, 33434-33440.	8.0	21

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37	Tetraphenylethylene-BODIPY aggregation-induced emission luminogens for near-infrared polymer light-emitting diodes. <i>Science China Chemistry</i> , 2018, 61, 932-939.	8.2	60
38	Efficient Near-Infrared Electroluminescence at 840 nm with $\alpha$ -Metal-Free $\beta$ -Small-Molecule:Polymer Blends. <i>Advanced Materials</i> , 2018, 30, e1706584.	21.0	49
39	Perovskite Solar Cells: A Photovoltaic Technology With Outstanding Light-Harvesting Capabilities Under Indoor Illumination. , 2018, , .		0
40	Ionic Strength Responsive Sulfonated Polystyrene Opals. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4818-4827.	8.0	34
41	Highly Efficient Solid-State Near-infrared Organic Light-Emitting Diodes incorporating A-D-A Dyes based on 1,12-unsubstituted $\alpha$ -BODIPY $\beta$ -Moieties. <i>Scientific Reports</i> , 2017, 7, 1611.	3.3	112
42	Synthesis and Exciton Dynamics of Donor-Orthogonal Acceptor Conjugated Polymers: Reducing the Singlet-Triplet Energy Gap. <i>Journal of the American Chemical Society</i> , 2017, 139, 11073-11080.	13.7	95
43	Neutron Radiation Tolerance of Two Benchmark Thiophene-Based Conjugated Polymers: the Importance of Crystallinity for Organic Avionics. <i>Scientific Reports</i> , 2017, 7, 41013.	3.3	51
44	Thermally induced suppression of interchain interactions in dilute aqueous solutions of conjugated polyelectrolyte rotaxanes and their analogues. <i>Applied Physics Letters</i> , 2017, 111, 083301.	3.3	2
45	Template-Assisted Preparation of Micrometric Suspended Membrane Lattices of Photoluminescent and Non-Photoluminescent Polymers by Capillarity-Driven Solvent Evaporation: Application to Microtagging. <i>Scientific Reports</i> , 2017, 7, 8351.	3.3	5
46	Organic visible light communications: Methods to achieve 10 Mb/s. , 2017, , .		1
47	Traceable atomic force microscopy of high-quality solvent-free crystals of [6,6]-phenyl-C <sub>61</sub> -butyric acid methyl ester. <i>Applied Physics Letters</i> , 2016, 108, 053303.	3.3	10
48	Triazolobenzothiadiazole-Based Copolymers for Polymer Light-Emitting Diodes: Pure Near-Infrared Emission via Optimized Energy and Charge Transfer. <i>Advanced Optical Materials</i> , 2016, 4, 2068-2076.	7.3	48
49	Neutron polarisation analysis of Polymer:Fullerene blends for organic photovoltaics. <i>Polymer</i> , 2016, 105, 407-413.	3.8	19
50	Modifying the Size of Ultrasound-Induced Liquid-Phase Exfoliated Graphene: From Nanosheets to Nanodots. <i>ACS Nano</i> , 2016, 10, 10768-10777.	14.6	51
51	Tuning Fullerene Intercalation in a Poly (thiophene) derivative by Controlling the Polymer Degree of Self-Organisation. <i>Scientific Reports</i> , 2016, 6, 34609.	3.3	14
52	Increased luminescence efficiency by synergistic exploitation of lipo/hydrophilic co-solvency and supramolecular design. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10893-10902.	5.5	3
53	Experimental and Computational Study on the Temperature Behavior of CNT Networks. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 171-178.	2.0	8
54	Luminescent Neutral Cu(I) Complexes: Synthesis, Characterization and Application in Solution-Processed OLED. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, R83-R90.	1.8	22

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55	Highly red-shifted NIR emission from a novel anthracene conjugated polymer backbone containing Pt( $\text{P}(\text{Ph})_3$ ) porphyrins. <i>Polymer Chemistry</i> , 2016, 7, 722-730.	3.9	18
56	Synthesis and photophysical characteristics of polyfluorene polyrotaxanes. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2677-2688.	2.2	9
57	Low-Temperature Photoluminescence Spectroscopy of Solvent-Free PCBM Single-Crystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11846-11851.	3.1	20
58	Experimental and computational study on the temperature behavior of CNT networks. , 2015, , .		2
59	Luminescent Properties of a Water-Soluble Conjugated Polymer Incorporating Graphene-Oxide Quantum Dots. <i>ChemPhysChem</i> , 2015, 16, 1258-1262.	2.1	20
60	Geometric and Electronic Structures of Boron(III)-Cored Dyes Tailored by Incorporation of Heteroatoms into Ligands. <i>Chemistry - an Asian Journal</i> , 2015, 10, 709-714.	3.3	14
61	Thermal treatment and chemical doping of semi-transparent graphene films. <i>Organic Electronics</i> , 2015, 18, 53-60.	2.6	11
62	Wavelength-Multiplexed Polymer LEDs: Towards 55 Mb/s Organic Visible Light Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2015, 33, 1819-1828.	14.0	51
63	Thia- and seleno-diazole containing polymers for near-infrared light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2792-2797.	5.5	40
64	Low-gap polymers incorporating a dicarboxylic imide moiety for near-infrared polymer light-emitting diodes. , 2015, , .		1
65	Deep-red electrophosphorescence from a platinum(II)-porphyrin complex copolymerised with polyfluorene for efficient energy transfer and triplet harvesting. <i>Journal of Organic Semiconductors</i> , 2015, 3, 1-7.	1.2	6
66	Inorganic caesium lead iodide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19688-19695.	10.3	1,419
67	Electrostatic discharge sensitivity investigation on organic field-effect thin film transistors. , 2015, , .		1
68	Hybrid-Organic Photonic Structures for Light Emission Modification. , 2015, , 339-358.		4
69	Polyrotaxanes (Conjugated). , 2015, , 2047-2059.		0
70	Virtually pure near-infrared electroluminescence from exciplexes at polyfluorene/hexaazatrinaphthylene interfaces. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	18
71	Next Generation Visible Light Communications: 10 Mb/s with Polymer Light-Emitting Diodes. , 2014, , .		5
72	10-Mb/s visible light transmission system using a polymer light-emitting diode with orthogonal frequency division multiplexing. <i>Optics Letters</i> , 2014, 39, 3876.	3.3	39

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73	Analysis of sprayed Carbon nanotube films on rigid and flexible substrates. , 2014, , .		0
74	A 10 Mb/s visible light communication system using a low bandwidth polymer light-emitting diode. , 2014, , .		10
75	Visible light communications: real time 10 Mb/s link with a low bandwidth polymer light-emitting diode. Optics Express, 2014, 22, 2830.	3.4	73
76	Effect of permodified $\beta$ -cyclodextrin on the photophysical properties of poly[2,7-(9,9-dioctylfluorene)- <i>alt</i> -(5,5'-bithiophene)] main chain polyrotaxanes. Journal of Polymer Science Part A, 2014, 52, 460-471.	2.3	24
77	Multifunctional materials for OFETs, LEFETs and NIR PLEDs. Journal of Materials Chemistry C, 2014, 2, 5133-5141.	5.5	38
78	Organic visible light communications: Recent progress. , 2014, , .		6
79	A 20-Mb/s VLC Link With a Polymer LED and a Multilayer Perceptron Equalizer. IEEE Photonics Technology Letters, 2014, 26, 1975-1978.	2.5	25
80	Synthesis and Photophysics of Coaxial Threaded Molecular Wires: Polyrotaxanes with Triarylamine Jackets. Journal of Physical Chemistry C, 2014, 118, 4553-4566.	3.1	21
81	Large Work Function Shift of Gold Induced by a Novel Perfluorinated Azobenzene-Based Self-Assembled Monolayer. Advanced Materials, 2013, 25, 432-436.	21.0	93
82	Two-Dimensional Array of Photoluminescent Light Sources by Selective Integration of Conjugated Luminescent Polymers into Three-Dimensional Silicon Microstructures. Advanced Optical Materials, 2013, 1, 894-898.	7.3	14
83	Immune responses of Octopus vulgaris (Mollusca: Cephalopoda) exposed to titanium dioxide nanoparticles. Journal of Experimental Marine Biology and Ecology, 2013, 447, 123-127.	1.5	28
84	Straightforward access to diketopyrrolopyrrole (DPP) dimers. Dyes and Pigments, 2013, 97, 198-208.	3.7	38
85	Micro-focused X-ray diffraction characterization of high-quality [6,6]-phenyl-C61-butyric acid methyl ester single crystals without solvent impurities. Journal of Materials Chemistry C, 2013, 1, 5619.	5.5	61
86	Enhanced crystallinity and film retention of P3HT thin-films for efficient organic solar cells by use of preformed nanofibers in solution. Journal of Materials Chemistry C, 2013, 1, 7748.	5.5	34
87	Structural and dynamical characterization of P3HT/PCBM blends. Chemical Physics, 2013, 427, 142-146.	1.9	32
88	Resonance Raman Investigation of $\beta$ -Cyclodextrin-Encapsulated $\pi$ -Conjugated Polymers. Journal of Physical Chemistry B, 2013, 117, 5737-5747.	2.6	22
89	Polymorphism, Fluorescence, and Optoelectronic Properties of a Borazine Derivative. Chemistry - A European Journal, 2013, 19, 7771-7779.	3.3	49
90	Near-Infrared Polymer Light-Emitting Diodes Based on Low-Energy Gap Oligomers Copolymerized into a High-Gap Polymer Host. Macromolecular Rapid Communications, 2013, 34, 990-996.	3.9	34

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91	Efficient red electroluminescence from diketopyrrolopyrrole copolymerised with a polyfluorene. APL Materials, 2013, 1, .	5.1	32
92	Fluorescent polystyrene photonic crystals self-assembled with water-soluble conjugated polyrotaxanes. APL Materials, 2013, 1, .	5.1	15
93	Conjugated Polymers: Twoâ€Dimensional Array of Photoluminescent Light Sources by Selective Integration of Conjugated Luminescent Polymers into Threeâ€Dimensional Silicon Microstructures (Advanced Optical Materials 12/2013). Advanced Optical Materials, 2013, 1, 888-888.	7.3	0
94	Polyrotaxanes (Conjugated). , 2013, , 1-13.		0
95	The influence of the substrate thermal conductivity on scanning thermochemical lithography. Journal of Applied Physics, 2012, 111, .	2.5	5
96	Cross-linking of a poly(3,4-ethylene dioxythiophene):(polystyrene sulfonic acid) hole injection layer with a bis-azide salt and the effect of atmospheric processing conditions on device properties. Applied Physics Letters, 2012, 100, 053309.	3.3	10
97	Efficient light confinement with nanostructured optical microfiber tips. Optics Communications, 2012, 285, 4688-4697.	2.1	5
98	Sub-wavelength focusing of high intensities in microfibre tips. , 2012, , .		0
99	Increased efficiency of light-emitting diodes incorporating anodes functionalized with fluorinated azobenzene monolayers and a green-emitting polyfluorene derivative. Applied Physics Letters, 2012, 101, .	3.3	9
100	A Quaterthiopheneâ€Based Rotaxane: Synthesis, Spectroscopy, and Selfâ€Assembly at Surfaces. Small, 2012, 8, 1835-1839.	10.0	7
101	Emission Color Trajectory and White Electroluminescence Through Supramolecular Control of Energy Transfer and Exciplex Formation in Binary Blends of Conjugated Polyrotaxanes. Advanced Functional Materials, 2012, 22, 4284-4291.	14.9	50
102	Superficial fluoropolymer layers for efficient light-emitting diodes. Organic Electronics, 2012, 13, 992-998.	2.6	15
103	Linear and Cyclic Porphyrin Hexamers as Near-Infrared Emitters in Organic Light-Emitting Diodes. Nano Letters, 2011, 11, 2451-2456.	9.1	107
104	Photoinduced work function changes by isomerization of a densely packed azobenzene-based SAM on Au: a joint experimental and theoretical study. Physical Chemistry Chemical Physics, 2011, 13, 14302.	2.8	61
105	Dopant optimization for triplet harvesting in polymer photovoltaics. Journal of Applied Physics, 2011, 110, 124504.	2.5	14
106	Dual functions of a novel low-gap polymer for near infra-red photovoltaics and light-emitting diodes. Chemical Communications, 2011, 47, 8820.	4.1	31
107	Local Surface Potential of Î€Conjugated Nanostructures by Kelvin Probe Force Microscopy: Effect of the Sampling Depth. Small, 2011, 7, 634-639.	10.0	20
108	Selfâ€Assembled Conjugated Thiopheneâ€Based Rotaxane Architectures: Structural, Computational, and Spectroscopic Insights into Molecular Aggregation. Advanced Functional Materials, 2011, 21, 834-844.	14.9	24

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109	Non-conventional Processing and Post-processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics. <i>Advanced Functional Materials</i> , 2011, 21, 1279-1295.	14.9	81
110	Mastering Self-Organization of Functional Materials at Different Length Scale. <i>Advanced Functional Materials</i> , 2011, 21, 1210-1211.	14.9	3
111	Organic Electronics: Non-conventional Processing and Post-processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics ( <i>Adv. Funct. Mater.</i> 7/2011). <i>Advanced Functional Materials</i> , 2011, 21, 1206-1206.	14.9	1
112	Highly Polarized Emission from Oriented Films Incorporating Water-Soluble Conjugated Polymers in a Polyvinyl Alcohol Matrix. <i>Advanced Materials</i> , 2011, 23, 1855-1859.	21.0	26
113	Cyclodextrins: Highly Polarized Emission from Oriented Films Incorporating Water-Soluble Conjugated Polymers in a Polyvinyl Alcohol Matrix ( <i>Adv. Mater.</i> 16/2011). <i>Advanced Materials</i> , 2011, 23, 1804-1804.	21.0	1
114	Time dependence and freezing-in of the electrode oxygen plasma-induced work function enhancement in polymer semiconductor heterostructures. <i>Organic Electronics</i> , 2011, 12, 623-633.	2.6	50
115	Low-temperature treatment of semiconducting interlayers for high-efficiency light-emitting diodes based on a green-emitting polyfluorene derivative. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	21
116	Enhanced luminescence properties of highly threaded conjugated polyelectrolytes with potassium counter-ions upon blending with poly(ethylene oxide). <i>Journal of Applied Physics</i> , 2010, 107, 124509.	2.5	16
117	White Electroluminescence by Supramolecular Control of Energy Transfer in Blends of Organic-Soluble Encapsulated Polyfluorenes. <i>Advanced Functional Materials</i> , 2010, 20, 272-280.	14.9	60
118	High-Resolution Scanning Near-Field Optical Lithography of Conjugated Polymers. <i>Advanced Functional Materials</i> , 2010, 20, 2842-2847.	14.9	38
119	Conjugated Polymers: High-Resolution Scanning Near-Field Optical Lithography of Conjugated Polymers ( <i>Adv. Funct. Mater.</i> 17/2010). <i>Advanced Functional Materials</i> , 2010, 20, n/a-n/a.	14.9	0
120	Ultra-Broad Optical Amplification and Two-Colour Amplified Spontaneous Emission in Binary Blends of Insulated Molecular Wires. <i>Advanced Materials</i> , 2010, 22, 3690-3694.	21.0	34
121	A Conjugated Thiophene-Based Rotaxane: Synthesis, Spectroscopy, and Modeling. <i>Chemistry - A European Journal</i> , 2010, 16, 3933-3941.	3.3	29
122	Stability of optical and electroluminescence properties of a semiconducting polymer over a decade. <i>Organic Electronics</i> , 2010, 11, 1445-1448.	2.6	4
123	Optical and Electroluminescent Properties of Conjugated Polyrotaxanes. <i>Small</i> , 2010, 6, 2796-2820.	10.0	48
124	Interfacial dipole dynamics of light-emitting diodes incorporating a poly(amidoamine) dendrimer monolayer. <i>Applied Physics Letters</i> , 2010, 97, 043304.	3.3	9
125	White luminescence from single-layer devices of nonresonant polymer blends. <i>Applied Physics Letters</i> , 2010, 96, 213301.	3.3	9
126	Synthesis, Characterization, and Surface Initiated Polymerization of Carbazole Functionalized Isocyanides. <i>Chemistry of Materials</i> , 2010, 22, 2597-2607.	6.7	27



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127	Light-emitting electrochemical cells using polymeric ionic liquid/polyfluorene blends as luminescent material. <i>Applied Physics Letters</i> , 2010, 96, 043308.	3.3	66
128	Taming Complexity: From Supramolecules to Suprafuctions. <i>Advanced Materials</i> , 2009, 21, 1037-1040.	21.0	0
129	Thermochemical nanopatterning of organic semiconductors. <i>Nature Nanotechnology</i> , 2009, 4, 664-668.	31.5	104
130	Oxidised carbon nanotubes as solution processable, high work function hole-extraction layers for organic solar cells. <i>Organic Electronics</i> , 2009, 10, 388-395.	2.6	90
131	Synthesis of type II/type I CdTe/CdS/ZnS quantum dots and their use in cellular imaging. <i>Journal of Materials Chemistry</i> , 2009, 19, 8341.	6.7	25
132	Influence of cyclodextrin size on fluorescence quenching in conjugated polyrotaxanes by methyl viologen in aqueous solution. <i>Journal of Materials Chemistry</i> , 2009, 19, 2846.	6.7	35
133	Cyclodextrin-Threaded Conjugated Polyrotaxanes for Organic Electronics: The Influence of the Counter Cations. <i>Advanced Functional Materials</i> , 2008, 18, 2419-2427.	14.9	36
134	Synthesis and Optoelectronic Properties of Nonpolar Polyrotaxane Insulated Molecular Wires with High Solubility in Organic Solvents. <i>Advanced Functional Materials</i> , 2008, 18, 3367-3376.	14.9	51
135	The Built-in Potential in Blue Polyfluorene-Based Light-Emitting Diodes. <i>Advanced Materials</i> , 2008, 20, 2410-2415.	21.0	21
136	Control of Rapid Formation of Interchain Excited States in Sugar-Threaded Supramolecular Wires. <i>Advanced Materials</i> , 2008, 20, 3218-3223.	21.0	56
137	Tuning Intrachain versus Interchain Photophysics via Control of the Threading Ratio of Conjugated Polyrotaxanes. <i>Nano Letters</i> , 2008, 8, 4546-4551.	9.1	64
138	Photoacid cross-linkable polyfluorenes for optoelectronics applications. <i>Synthetic Metals</i> , 2008, 158, 643-653.	3.9	24
139	Amylose-wrapped luminescent conjugated polymers. <i>Chemical Communications</i> , 2008, , 2797.	4.1	62
140	Self-assembled monolayers of protonated poly(amidoamine) dendrimers on indium tin oxide. <i>Applied Physics Letters</i> , 2008, 92, 013511.	3.3	17
141	Polyfluorene-based light-emitting diodes with an azide photocross-linked poly(3,4-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 103308.	3.3	44
142	The influence of subgap features in the electromodulation and built-in voltage measurements of polyfluorene blue light-emitting diodes with anodic charge injection layers. <i>Journal of Applied Physics</i> , 2007, 101, 084507.	2.5	11
143	Preparation and Characterization of Dense Films of Poly(amidoamine) Dendrimers on Indium Tin Oxide. <i>Langmuir</i> , 2007, 23, 8916-8924.	3.5	50
144	Scanning force microscopy and optical spectroscopy of phase-segregated thin films of poly(9,9-dioctylfluorene-alt-benzothiadiazole) and poly(ethylene oxide). <i>Journal of Materials Chemistry</i> , 2007, 17, 1387-1391.	6.7	16

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145	Control of luminescence in conjugated polymers through control of chain microstructure. Journal of Materials Chemistry, 2007, 17, 907-912.	6.7	13
146	Phase Segregation in Thin Films of Conjugated Polyrotaxane-Poly(ethylene oxide) Blends: A Scanning Force Microscopy Study. Advanced Functional Materials, 2007, 17, 927-932.	14.9	16
147	Investigation of Charge-Injection Barriers in Finished PLEDs by Means of Non-Invasive Optical Probing. , 2006, , OPWC3.		0
148	Local Probing of Photocurrent and Photoluminescence in a Phase-Separated Conjugated-Polymer Blend by Means of Near-Field Excitation. Advanced Functional Materials, 2006, 16, 469-476.	14.9	27
149	Electric-Field-Assisted Alignment of Supramolecular Fibers. Advanced Materials, 2006, 18, 1276-1280.	21.0	90
150	Towards Complex Functions from Complex Materials. Advanced Materials, 2006, 18, 1235-1238.	21.0	15
151	Optical properties of cross-linkable fluorene copolymers. , 2006, , .		2
152	Shape dependent thermal effects in apertured fiber probes for scanning near-field optical microscopy. Journal of Applied Physics, 2006, 99, 084303.	2.5	14
153	Suppression of Green Emission in a New Class of Blue-Emitting Polyfluorene Copolymers with Twisted Biphenyl Moieties. Advanced Functional Materials, 2005, 15, 981-988.	14.9	108
154	Supramolecular Complexes of Conjugated Polyelectrolytes with Poly(ethylene oxide): Multifunctional Luminescent Semiconductors Exhibiting Electronic and Ionic Transport. Advanced Materials, 2005, 17, 2659-2663.	21.0	91
155	A two-dimensional photonic structure made from a conjugated, fluorescent polymer. Journal of Optics, 2005, 7, S207-S212.	1.5	8
156	Thermal effects in near-field optical microscopy experiments. , 2005, , .		0
157	Observation of tip-to-sample heat transfer in near-field optical microscopy using metal-coated fiber probes. Applied Physics Letters, 2005, 86, 203109.	3.3	15
158	Optical probing of sample heating in scanning near-field experiments with apertured probes. Applied Physics Letters, 2005, 86, 011102.	3.3	22
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