

Michele Muccini

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interplay between Charge Injection, Electron Transport, and Quantum Efficiency in Ambipolar Trilayer Organic Light-Emitting Transistors. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	4
2	Effect of Different Ionic Surfactants on the Structural, Photophysical, and Morphological Properties of Water-Based P3HT:PCBM Nanoparticle Dispersions and Films. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2000219.	2.3	6
3	Glial Interfaces: Advanced Materials and Devices to Uncover the Role of Astroglial Cells in Brain Function and Dysfunction. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001268.	7.6	15
4	Enhanced Thermal Stability of Inverted Polymer Solar Cells Based on Solution-Processed WO ₃ as an Anode Interlayer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000748.	1.8	7
5	Toward Real Setting Applications of Organic and Perovskite Solar Cells: A Comparative Review. <i>Energy Technology</i> , 2021, 9, 2000901.	3.8	33
6	2,3-Thienoimide-ended oligothiophenes as ambipolar semiconductors for multifunctional single-layer light-emitting transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15048-15066.	5.5	18
7	3D versus 2D Electrolyte-Semiconductor Interfaces in Rylene-diimide-Based Electron-Transporting Water-Gated Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2020, 6, 2000638.	5.1	2
8	On the Nature of Charge-Injecting Contacts in Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30616-30626.	8.0	9
9	Stimulation of water and calcium dynamics in astrocytes with pulsed infrared light. <i>FASEB Journal</i> , 2020, 34, 6539-6553.	0.5	25
10	A Glial-Silicon Nanowire Electrode Junction Enabling Differentiation and Noninvasive Recording of Slow Oscillations from Primary Astrocytes. <i>Advanced Biology</i> , 2020, 4, e1900264.	3.0	20
11	LRRC8A is essential for swelling-activated chloride current and for regulatory volume decrease in astrocytes. <i>FASEB Journal</i> , 2019, 33, 101-113.	0.5	37
12	Perovskite Solar Cells: High-Performance and Stable Perovskite Solar Cells Based on Dopant-Free Arylamine-Substituted Copper(II) Phthalocyanine Hole-Transporting Materials (<i>Adv. Energy Mater.</i>) Tj ETQq0 0 0 rgB, 10 Overlock 10 Tf 50	19.5	80
13	Epitaxial multilayers of alkanes on two-dimensional black phosphorus as passivating and electrically insulating nanostructures. <i>Nanoscale</i> , 2019, 11, 17252-17261.	5.6	13
14	Engineering of keratin functionality for the realization of bendable all-biopolymeric micro-electrode array as humidity sensor. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111480.	10.1	17
15	Keratin Film as Natural and Eco-Friendly Support for Organic Optoelectronic Devices. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900080.	5.3	19
16	A Computational Predictive Approach for Controlling the Morphology of Functional Molecular Aggregates on Substrates. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900156.	2.8	7
17	High-Performance and Stable Perovskite Solar Cells Based on Dopant-Free Arylamine-Substituted Copper(II) Phthalocyanine Hole-Transporting Materials. <i>Advanced Energy Materials</i> , 2019, 9, 1901019.	19.5	80
18	Noncovalent Functionalization of 2D Black Phosphorus with Fluorescent Boronic Derivatives of Pyrene for Probing and Modulating the Interaction with Molecular Oxygen. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22637-22647.	8.0	42

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19	Silk Fibroin Based Technology for Industrial Biomanufacturing. , 2019, , 409-430.		5
20	Electrical Stimulation by an Organic Transistor Architecture Induces Calcium Signaling in Nonexcitable Brain Cells. Advanced Healthcare Materials, 2019, 8, e1801139.	7.6	16
21	Impact of environmentally friendly processing solvents on the properties of blade-coated polymer solar cells. Journal of Polymer Science Part A, 2019, 57, 487-494.	2.3	14
22	Application of an Open-Circuit Voltage Decay Model to Compare the Performances of Donor Polymers in Bulk Heterojunction Solar Cells. IEEE Journal of Photovoltaics, 2018, 8, 517-524.	2.5	3
23	Tuning polymorphism in 2,3-thienoimide capped oligothiophene based field-effect transistors by implementing vacuum and solution deposition methods. Journal of Materials Chemistry C, 2018, 6, 5601-5608.	5.5	21
24	High-resolution photoluminescence electro-modulation microscopy by scanning lock-in. Review of Scientific Instruments, 2018, 89, 043705.	1.3	2
25	Side chain modification on PDI-spirobifluorene-based molecular acceptors and its impact on organic solar cell performances. New Journal of Chemistry, 2018, 42, 18633-18640.	2.8	15
26	Drift-Diffusion and Analytical Modeling of the Recombination Mechanisms in Organic Solar Cells: Effect of the Nonconstant Charge Distribution Inside the Active Layer. IEEE Journal of Photovoltaics, 2018, 8, 1677-1684.	2.5	1
27	A General Equivalent Circuit Model for a Metal/Organic/Liquid/Metal System. IEEE Transactions on Electron Devices, 2018, 65, 4555-4562.	3.0	3
28	Contact Resistance in Ambipolar Organic Field-Effect Transistors Measured by Confocal Photoluminescence Electro-Modulation Microscopy. ACS Applied Materials & Interfaces, 2018, 10, 35411-35419.	8.0	12
29	Organic Light-Emitting Transistors with Simultaneous Enhancement of Optical Power and External Quantum Efficiency via Conjugated Polar Polymer Interlayers. ACS Applied Materials & Interfaces, 2018, 10, 25580-25588.	8.0	31
30	Simple and accurate single transistor technique for parameters extraction from organic and inorganic thin film devices. Organic Electronics, 2018, 63, 376-383.	2.6	8
31	Simultaneous Tenfold Brightness Enhancement and Emitted-Light Spectral Tunability in Transparent Ambipolar Organic Light-Emitting Transistor by Integration of High-Photonic Crystal. Advanced Functional Materials, 2017, 27, 1605164.	14.9	45
32	Open circuit voltage decay as a tool to assess the reliability of organic solar cells: P3HT:PCBM vs. HBG1:PCBM. , 2017, , .		3
33	Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2'-([2,2'-bithiophene]-5,5'-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one). Journal of Materials Chemistry C, 2017, 5, 10320-10331.	5.5	5
34	Morphology and Electronic Properties of <i>N,N</i> -Ditridecylperylene-3,4,9,10-tetracarboxylic Diimide Layered Aggregates: From Structural Predictions to Charge Transport. Journal of Physical Chemistry C, 2017, 121, 21857-21864.	3.1	14
35	A new quinoxaline and isoindigo based polymer as donor material for solar cells: Role of ecofriendly processing solvents on the device efficiency and stability. Journal of Polymer Science Part A, 2017, 55, 234-242.	2.3	18
36	Revealing Minor Electrical Losses in the Interconnecting Layers of Organic Tandem Solar Cells. Advanced Materials Interfaces, 2017, 4, 1700776.	3.7	14

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37	Portable Bio/Chemosensoristic Devices: Innovative Systems for Environmental Health and Food Safety Diagnostics. <i>Frontiers in Public Health</i> , 2017, 5, 80.	2.7	32
38	Charge-Exciton Interaction Rate in Organic Field-Effect Transistors by Means of Transient Photoluminescence Electromodulated Spectroscopy. <i>ACS Photonics</i> , 2017, 4, 282-291.	6.6	21
39	Synthesis and characterization of benzodithiophene and benzotriazole-based polymers for photovoltaic applications. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1629-1637.	2.2	18
40	Silk fibroin film from golden-yellow <i>Bombyx mori</i> is a biocomposite that contains lutein and promotes axonal growth of primary neurons. <i>Biopolymers</i> , 2016, 105, 287-299.	2.4	15
41	54-3: Invited Paper: Flexible Active-Matrix OLET Display on a Plastic Substrate. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 739-742.	0.3	6
42	Tuning the Electron-Acceptor Properties of [60]Fullerene by Tailored Functionalization for Application in Bulk Heterojunction Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 676-684.	2.7	6
43	Analysis of ESD effects on organic thin-film-transistors by means of TLP technique. , 2016, , .		3
44	A physical-based equivalent circuit model for an organic/electrolyte interface. <i>Organic Electronics</i> , 2016, 35, 176-185.	2.6	22
45	A self-assembled lysinated perylene diimide film as a multifunctional material for neural interfacing. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2921-2932.	5.8	8
46	Theoretical insights on morphology and charge transport properties of two-dimensional N,N'-ditridecylperylene-3,4,9,10-tetra carboxylic diimide aggregates. <i>RSC Advances</i> , 2016, 6, 40724-40730.	3.6	11
47	Engineering organic/inorganic alumina-based films as dielectrics for red organic light emitting transistors. <i>Thin Solid Films</i> , 2016, 616, 408-414.	1.8	9
48	Impact of environmentally friendly processing on polymer solar cells: Performance, thermal stability and morphological study by imaging techniques. <i>Solar Energy Materials and Solar Cells</i> , 2016, 155, 436-445.	6.2	24
49	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9411-9417.	5.5	28
50	Efficient and Versatile Interconnection Layer by Solvent Treatment of PEDOT:PSS Interlayer for Air-Processed Organic Tandem Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600770.	3.7	25
51	A Nanoscale Interface Promoting Molecular and Functional Differentiation of Neural Cells. <i>Scientific Reports</i> , 2016, 6, 31226.	3.3	27
52	Investigation of Mobility Transient on Organic Transistor by Means of DLTS Technique. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 4432-4439.	3.0	5
53	P-164: Organic Light Emitting Transistors (OLETs) using ALD-grown Al ₂ O ₃ dielectric. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 1737-1739.	0.3	3
54	P-176: Innovative Trilayer Organic Light Emitting Transistor (OLET) Structure for Blue Emission. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 1779-1782.	0.3	6

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55	Effect of different fabrication methods on the chemo-physical properties of silk fibroin films and on their interaction with neural cells. <i>RSC Advances</i> , 2016, 6, 9304-9314.	3.6	43
56	Enhanced Ultraviolet Stability of Air-Processed Polymer Solar Cells by Al Doping of the ZnO Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1635-1643.	8.0	74
57	Induced photodegradation of quinoxaline based copolymers for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 150-158.	6.2	25
58	Selective Self-Assembled Monolayer to passivate organic cell stimulating and sensing transistor (OCSTs). , 2015, , .		0
59	An organic transistor architecture for stimulation of calcium signalling in primary rat cortical astrocytes. , 2015, , .		0
60	Correlation between gate-dielectric morphology at the nanoscale and charge transport properties in organic field-effect transistors. <i>RSC Advances</i> , 2015, 5, 11797-11805.	3.6	15
61	A Lysinated Thiophene-Based Semiconductor as a Multifunctional Neural Bioorganic Interface. <i>Advanced Healthcare Materials</i> , 2015, 4, 1190-1202.	7.6	20
62	Reliability study of organic complementary logic inverters using constant voltage stress. <i>Solid-State Electronics</i> , 2015, 113, 151-156.	1.4	4
63	Effects of thermal and electrical stress on DH4T-based organic thin-film-transistors with PMMA gate dielectrics. <i>Microelectronics Reliability</i> , 2015, 55, 1790-1794.	1.7	5
64	Predicting thermal stability of organic solar cells through an easy and fast capacitance measurement. <i>Solar Energy Materials and Solar Cells</i> , 2015, 141, 240-247.	6.2	42
65	On the Pulsed and Transient Characterization of Organic Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , 2015, 36, 1359-1362.	3.9	3
66	Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. <i>Chemical Communications</i> , 2015, 51, 2033-2035.	4.1	25
67	Naturally functionalized silk as useful material for photonic applications. <i>Composites Part B: Engineering</i> , 2015, 71, 152-158.	12.0	16
68	Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 121-131.	5.5	16
69	SILK.IT project: Silk Italian Technology for industrial biomanufacturing. <i>Composites Part B: Engineering</i> , 2015, 68, 281-287.	12.0	11
70	Perfluoroalkyl-Functionalized Thiazole-Thiophene Oligomers as N-Channel Semiconductors in Organic Field-Effect and Light-Emitting Transistors. <i>Chemistry of Materials</i> , 2014, 26, 6542-6556.	6.7	73
71	Effects of constant voltage stress on organic complementary logic inverters. , 2014, , .		2
72	Mapping of Charge Distribution in Organic Field-Effect Transistors by Confocal Photoluminescence Electromodulation Microscopy. <i>Nano Letters</i> , 2014, 14, 1695-1700.	9.1	25

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73	Innovative Multifunctional Silk Fibroin and Hydrotalcite Nanocomposites: A Synergic Effect of the Components. <i>Biomacromolecules</i> , 2014, 15, 158-168.	5.4	35
74	Conjugated polymers based on benzodithiophene and fluorinated quinoxaline for bulk heterojunction solar cells: thiophene versus thieno[3,2-b]thiophene as π -conjugated spacers. <i>Polymer Chemistry</i> , 2014, 5, 2083.	3.9	68
75	Integration of a silk fibroin based film as a luminescent down-shifting layer in ITO-free organic solar cells. <i>RSC Advances</i> , 2014, 4, 44815-44822.	3.6	31
76	Structural tuning of quinoxaline-benzodithiophene copolymers via alkyl side chain manipulation: synthesis, characterization and photovoltaic properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11162-11170.	10.3	37
77	Selective MW-assisted surface chemical tailoring of hydrotalcites for fluorescent and biocompatible nanocomposites. <i>RSC Advances</i> , 2014, 4, 11840.	3.6	14
78	Photostimulation of Whole-Cell Conductance in Primary Rat Neocortical Astrocytes Mediated by Organic Semiconducting Thin Films. <i>Advanced Healthcare Materials</i> , 2014, 3, 392-399.	7.6	61
79	A nanostructured conductive bio-composite of silk fibroin-single walled carbon nanotubes. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1424.	5.8	40
80	Bio-doping of regenerated silk fibroin solution and films: a green route for biomanufacturing. <i>RSC Advances</i> , 2014, 4, 33687-33694.	3.6	21
81	Structure-property relationships in multifunctional thieno(bis)imide-based semiconductors with different sized and shaped N-alkyl ends. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3448.	5.5	30
82	ITO-Free Organic Light-Emitting Transistors with Graphene Gate Electrode. <i>ACS Photonics</i> , 2014, 1, 1082-1088.	6.6	20
83	Stress-induced degradation of p- and n-type organic thin-film-transistors in the ON and OFF states. <i>Microelectronics Reliability</i> , 2014, 54, 1638-1642.	1.7	2
84	Fine Structural Tuning of Cyanated Dithieno[3,2-b:2',3'-d']silole-Oligothiophene Copolymers: Synthesis, Characterization, and Photovoltaic Response. <i>Macromolecules</i> , 2013, 46, 6419-6430.	4.8	37
85	Computational Modeling of Isoindigo-Based Polymers Used in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17940-17954.	3.1	27
86	Organic light-emitting transistors with voltage-tunable lit area and full channel illumination. <i>Laser and Photonics Reviews</i> , 2013, 7, 1011-1019.	8.7	48
87	Influence of Incorporating Different Electron-Rich Thiophene-Based Units on the Photovoltaic Properties of Isoindigo-Based Conjugated Polymers: An Experimental and DFT Study. <i>Macromolecules</i> , 2013, 46, 8488-8499.	4.8	58
88	Synthesis, size-dependent optoelectronic and charge transport properties of thieno(bis)imide end-substituted molecular semiconductors. <i>Organic Electronics</i> , 2013, 14, 3089-3097.	2.6	27
89	π -Core tailoring for new high performance thieno(bis)imide based n-type molecular semiconductors. <i>Chemical Communications</i> , 2013, 49, 4298-4300.	4.1	27
90	2D π -conjugated benzo[1,2-b:4,5-b']dithiophene- and quinoxaline-based copolymers for photovoltaic applications. <i>RSC Advances</i> , 2013, 3, 24543.	3.6	34

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91	N-type perylene-based organic semiconductors for functional neural interfacing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3850.	5.8	28
92	Effects of constant voltage stress on p- and n-type organic thin film transistors with poly(methyl Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 7	1.7	8
93	Molecular Tailoring of New Thieno(bis)imide-Based Semiconductors for Single Layer Ambipolar Light Emitting Transistors. <i>Chemistry of Materials</i> , 2013, 25, 668-676.	6.7	51
94	A transparent organic transistor structure for bidirectional stimulation and recording of primary neurons. <i>Nature Materials</i> , 2013, 12, 672-680.	27.5	145
95	Efficiency enhancement of P3HT:PCBM solar cells containing scattering Zn-Al hydroxide nanoparticles in the PEDOT:PSS layer. <i>Organic Photonics and Photovoltaics</i> , 2013, 1, 1-10.	1.3	19
96	A time-temperature integrator based on fluorescent and polymorphic compounds. <i>Scientific Reports</i> , 2013, 3, 2581.	3.3	30
97	Silk doped with a bio-modified dye as a viable platform for eco-friendly luminescent solar concentrators. <i>RSC Advances</i> , 2012, 2, 8610.	3.6	32
98	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. <i>Dalton Transactions</i> , 2012, 41, 9227.	3.3	17
99	Low-threshold blue lasing from silk fibroin thin films. <i>Applied Physics Letters</i> , 2012, 101, 091110.	3.3	77
100	A vinylene-linked benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene-2,1,3-benzothiadiazole low-bandgap polymer. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2829-2840.	2.3	25
101	The photonic perspective of organic light-emitting transistors. <i>Laser and Photonics Reviews</i> , 2012, 6, 258-275.	8.7	77
102	Biofunctional Silk/Neuron Interfaces. <i>Advanced Functional Materials</i> , 2012, 22, 1871-1884.	14.9	52
103	Silk Fibroin as Platform for Neural Cells and Hybrid Optoelectronics. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 508-514.	0.3	2
104	Continuous-flow synthesis of an efficient methanofullerene acceptor for bulk-heterojunction solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 725-727.	30.8	28
105	Photoswitchable OFETs controlled by optical bistability in the dielectric layer. , 2011, , .		0
106	Thienopyrrolyl dione end-capped oligothiophene ambipolar semiconductors for thin film- and light emitting transistors. <i>Chemical Communications</i> , 2011, 47, 11840.	4.1	45
107	Photoswitching of an n-Type Organic Field Effect Transistor by a Reversible Photochromic Reaction in the Dielectric Film. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3106-3114.	3.1	61
108	Correlation among Morphology, Crystallinity, and Charge Mobility in OFETs Made of Quaterthiophene Alkyl Derivatives on a Transparent Substrate Platform. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23164-23169.	3.1	24

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109	Efficient as-cast bulk-heterojunction solar cells based on a tert-butyl substituted methanofullerene acceptor. <i>Journal of Materials Chemistry</i> , 2011, 21, 18308.	6.7	12
110	Organic light-emitting transistor technology. , 2011, , .		0
111	Integration of silk protein in organic and light-emitting transistors. <i>Organic Electronics</i> , 2011, 12, 1146-1151.	2.6	137
112	Influence of the substrate platform on the opto-electronic properties of multi-layer organic light-emitting field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 224018.	2.8	7
113	Towards Molecular Design Rationalization in Branched Multi- π -Thiophene Semiconductors: The 2- π -Thienyl- π -Persubstituted π - π -Oligothiophenes. <i>Chemistry - A European Journal</i> , 2010, 16, 9086-9098.	3.3	18
114	Ambipolar field-effect transistor based on π - π -dihexylquaterthiophene and π - π -diperfluoroquaterthiophene vertical heterojunction. <i>Microelectronics Reliability</i> , 2010, 50, 1861-1865.	1.7	19
115	A silk platform that enables electrophysiology and targeted drug delivery in brain astroglial cells. <i>Biomaterials</i> , 2010, 31, 7883-7891.	11.4	59
116	Organic light-emitting transistors with an efficiency that outperforms the equivalent light-emitting diodes. <i>Nature Materials</i> , 2010, 9, 496-503.	27.5	535
117	Molecular Host-Guest Energy-Transfer System with an Ultralow Amplified Spontaneous Emission Threshold Employing an Ambipolar Semiconducting Host Matrix. <i>Journal of Physical Chemistry B</i> , 2010, 114, 120-127.	2.6	14
118	Pyridine-EDOT Heteroarylene-Vinylene Donor-Acceptor Polymers. <i>Macromolecules</i> , 2010, 43, 9698-9713.	4.8	28
119	Synthesis, characterization, and transistor response of tetrathia-[7]-helicene precursors and derivatives. <i>Organic Electronics</i> , 2009, 10, 1511-1520.	2.6	66
120	Excimer Emission in Single Layer Electroluminescent Devices Based on [Ir(4,5-diphenyl-2-methylthiazolo) ₂ (5-methyl-1,10-phenanthroline)] ⁺ [PF ₆] ⁻ . <i>Journal of Physical Chemistry C</i> , 2009, 113, 12517-12522.	4.8	48
121	Very low amplified spontaneous emission threshold from a molecular host-guest energy transfer system and electroluminescence from light-emitting diode structure. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
122	Luminescent Ethynyl-Pyrene Liquid Crystals and Gels for Optoelectronic Devices. <i>Journal of the American Chemical Society</i> , 2009, 131, 18177-18185.	13.7	198
123	Spider-Like Oligothiophenes. <i>Chemistry - A European Journal</i> , 2008, 14, 459-471.	3.3	45
124	Semiconducting and Electroluminescent Nanowires Self-Assembled from Organoplatinum(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9895-9899.	13.8	160
125	Investigation of the Optoelectronic Properties of Organic Light-Emitting Transistors Based on an Intrinsically Ambipolar Material. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12993-12999.	3.1	42
126	Correlation between Dielectric/Organic Interface Properties and Key Electrical Parameters in PPV-based OFETs. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10130-10136.	2.6	51

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127	Molecular Packing Effects on the Optical Spectra and Triplet Dynamics in Oligofluorene Films. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11605-11609.	2.6	19
128	OLET architectures for electrically-pumped organic lasers. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
129	Oligofluorene derivative in a host-guest system with a red-emitter: molecular packing effect on the host bimolecular recombination and guest ASE threshold reduction. <i>Proceedings of SPIE</i> , 2008, , .	0.8	2
130	Influence of the dielectric and of the active layer doping on the FET mobility in PPV-based devices. , 2007, , .		0
131	Nanocomposite field effect transistors based on zinc oxide/polymer blends. <i>Applied Physics Letters</i> , 2007, 90, 223509.	3.3	87
132	The Role of Substituents on Functionalized 1,10-Phenanthroline in Controlling the Emission Properties of Cationic Iridium(III) Complexes of Interest for Electroluminescent Devices. <i>Inorganic Chemistry</i> , 2007, 46, 8533-8547.	4.0	164
133	Charge Transfer Excitons in Bulk Heterojunctions of a Polyfluorene Copolymer and a Fullerene Derivative. <i>Advanced Functional Materials</i> , 2007, 17, 2111-2116.	14.9	197
134	Organic light-emitting transistors using concentric source/drain electrodes on a molecular adhesion layer. <i>Applied Physics Letters</i> , 2006, 88, 163511.	3.3	33
135	J-Aggregation in β -Sexithiophene Submonolayer Films on Silicon Dioxide. <i>Journal of the American Chemical Society</i> , 2006, 128, 4277-4281.	13.7	99
136	Effects of Surface Chemical Composition on the Early Growth Stages of β -Sexithienyl Films on Silicon Oxide Substrates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 258-263.	2.6	37
137	Ambipolar light-emitting field-effect transistors based on molecular thin films. , 2006, 6333, 147.		1
138	A bright future for organic field-effect transistors. <i>Nature Materials</i> , 2006, 5, 605-613.	27.5	861
139	Cell penetrating silica nanoparticles doped with two-photon absorbing fluorophores. <i>Tetrahedron</i> , 2006, 62, 10434-10440.	1.9	31
140	Tuning Optoelectronic Properties of Ambipolar Organic Light- Emitting Transistors Using a Bulk-Heterojunction Approach. <i>Advanced Functional Materials</i> , 2006, 16, 41-47.	14.9	131
141	Organic Light-Emitting Transistors Based on Solution-Cast and Vacuum-Sublimed Films of a Rigid Core Thiophene Oligomer. <i>Advanced Materials</i> , 2006, 18, 169-174.	21.0	97
142	High-Mobility Ambipolar Transport in Organic Light-Emitting Transistors. <i>Advanced Materials</i> , 2006, 18, 1416-1420.	21.0	220
143	Morphology-Related Photophysics in Organic Semiconductor Thin Films by Confocal Laser Microscopy and Spectroscopy. , 2006, , 153-181.		1
144	Ambipolar organic light-emitting transistors employing heterojunctions of n-type and p-type materials as the active layer. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2127-S2138.	1.8	22

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145	Morphology and Field-Effect-Transistor Mobility in Tetracene Thin Films. <i>Advanced Functional Materials</i> , 2005, 15, 375-380.	14.9	111
146	Electrical characterization of organic based transistors: stability issues. <i>Polymers for Advanced Technologies</i> , 2005, 16, 227-231.	3.2	48
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