

Michele Muccini

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209 papers	7,859 citations	44 h-index	82 g-index
227 ext. papers	8,415 ext. citations	6.3 avg, IF	5.89 L-index

#	Paper	IF	Citations
209	A bright future for organic field-effect transistors. <i>Nature Materials</i> , 2006 , 5, 605-13	27	785
208	Correlation between Molecular Packing and Optical Properties in Different Crystalline Polymorphs and Amorphous Thin Films of mer-Tris(8-hydroxyquinoline)aluminum(III). <i>Journal of the American Chemical Society</i> , 2000 , 122, 5147-5157	16.4	527
207	Organic light-emitting transistors with an efficiency that outperforms the equivalent light-emitting diodes. <i>Nature Materials</i> , 2010 , 9, 496-503	27	460
206	Ambipolar light-emitting organic field-effect transistor. <i>Applied Physics Letters</i> , 2004 , 85, 1613-1615	3.4	272
205	High-Mobility Ambipolar Transport in Organic Light-Emitting Transistors. <i>Advanced Materials</i> , 2006 , 18, 1416-1420	24	205
204	Supramolecular organization in ultra-thin films of hexithiophene on silicon dioxide. <i>Nature Materials</i> , 2004 , 4, 81-85	27	192
203	Charge Transfer Excitons in Bulk Heterojunctions of a Polyfluorene Copolymer and a Fullerene Derivative. <i>Advanced Functional Materials</i> , 2007 , 17, 2111-2116	15.6	188
202	Luminescent ethynyl-pyrene liquid crystals and gels for optoelectronic devices. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18177-85	16.4	181
201	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, 8533-47	5.1	160
200	Semiconducting and electroluminescent nanowires self-assembled from organoplatinum(II) complexes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9895-9	16.4	150
199	A transparent organic transistor structure for bidirectional stimulation and recording of primary neurons. <i>Nature Materials</i> , 2013 , 12, 672-80	27	124
198	Tuning Optoelectronic Properties of Ambipolar Organic Light- Emitting Transistors Using a Bulk-Heterojunction Approach. <i>Advanced Functional Materials</i> , 2006 , 16, 41-47	15.6	123
197	Integration of silk protein in organic and light-emitting transistors. <i>Organic Electronics</i> , 2011 , 12, 1146-1151	3.5	121
196	Morphology and Field-Effect-Transistor Mobility in Tetracene Thin Films. <i>Advanced Functional Materials</i> , 2005 , 15, 375-380	15.6	107
195	Interchain interaction in a prototypical conjugated oligomer from polarized absorption at 4.2 K: hexithienyl single crystal. <i>Journal of Chemical Physics</i> , 1998 , 109, 10513-10520	3.9	101
194	J-aggregation in alpha-sexithiophene submonolayer films on silicon dioxide. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4277-81	16.4	95
193	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	24	93

192	Tetracene-based organic light-emitting transistors: optoelectronic properties and electron injection mechanism. <i>Synthetic Metals</i> , 2004 , 146, 329-334	3.6	93
191	Polarized fluorescence in Hexithienyl single crystal at 4.2 K. <i>Journal of Chemical Physics</i> , 1998 , 108, 7327-7333	3.3	88
190	Blue Luminescence of Facial Tris(quinolin-8-olato)aluminum(III) in Solution, Crystals, and Thin Films. <i>Advanced Materials</i> , 2004 , 16, 861-864	24	80
189	Nanocomposite field effect transistors based on zinc oxide/polymer blends. <i>Applied Physics Letters</i> , 2007 , 90, 223509	3.4	79
188	Tetracene light-emitting transistors on flexible plastic substrates. <i>Applied Physics Letters</i> , 2005 , 86, 141106	3.4	77
187	Perfluoroalkyl-Functionalized ThiazoleThiophene Oligomers as N-Channel Semiconductors in Organic Field-Effect and Light-Emitting Transistors. <i>Chemistry of Materials</i> , 2014 , 26, 6542-6556	9.6	69
186	Construction of a bioluminescent reporter strain To detect polychlorinated biphenyls. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 5023-6	4.8	69
185	Electron holography in the study of the electrostatic fields: the case of charged microtips. <i>Ultramicroscopy</i> , 1992 , 45, 77-83	3.1	67
184	Low-threshold blue lasing from silk fibroin thin films. <i>Applied Physics Letters</i> , 2012 , 101, 091110	3.4	66
183	The photonic perspective of organic light-emitting transistors. <i>Laser and Photonics Reviews</i> , 2012 , 6, 258-275	3.5	66
182	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	4.9	63
181	Enhanced Ultraviolet Stability of Air-Processed Polymer Solar Cells by Al Doping of the ZnO Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1635-43	9.5	62
180	Light-emitting ambipolar organic heterostructure field-effect transistor. <i>Synthetic Metals</i> , 2004 , 146, 237-241	3.6	59
179	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	3.8	56
178	Synthesis, characterization, and transistor response of tetrathia-[7]-helicene precursors and derivatives. <i>Organic Electronics</i> , 2009 , 10, 1511-1520	3.5	56
177	A silk platform that enables electrophysiology and targeted drug delivery in brain astroglial cells. <i>Biomaterials</i> , 2010 , 31, 7883-91	15.6	56
176	Effect of wave-function delocalization on the exciton splitting in organic conjugated materials. <i>Physical Review B</i> , 2000 , 62, 6296-6300	3.3	55
175	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	21.8	54

174	Real-Time Vibronic Coupling Dynamics in a Prototypical Conjugated Oligomer. <i>Physical Review Letters</i> , 1999 , 83, 231-234	7.4	54
173	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	5.5	52
172	Disorder influenced optical properties of hexithiophene single crystals and thin evaporated films. <i>Chemical Physics</i> , 1998 , 227, 49-56	2.3	52
171	Photostimulation of whole-cell conductance in primary rat neocortical astrocytes mediated by organic semiconducting thin films. <i>Advanced Healthcare Materials</i> , 2014 , 3, 392-9	10.1	50
170	Excimer Emission in Single Layer Electroluminescent Devices Based on [Ir(4,5-diphenyl-2-methylthiazolo)2(5-methyl-1,10-phenanthroline)] ⁺ [PF6] ⁻ <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12517-12522	3.8	46
169	Biofunctional Silk/Neuron Interfaces. <i>Advanced Functional Materials</i> , 2012 , 22, 1871-1884	15.6	45
168	Spider-like oligothiophenes. <i>Chemistry - A European Journal</i> , 2008 , 14, 459-71	4.8	45
167	Organic light emitting diodes with spin polarized electrodes. <i>Journal of Applied Physics</i> , 2003 , 93, 7682-7683	6.3	45
166	Organic light-emitting transistors with voltage-tunable lit area and full channel illumination. <i>Laser and Photonics Reviews</i> , 2013 , 7, 1011-1019	8.3	44
165	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	9.6	44
164	Correlation between dielectric/organic interface properties and key electrical parameters in PPV-based OFETs. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10130-6	3.4	43
163	Electrical characterization of organic based transistors: stability issues. <i>Polymers for Advanced Technologies</i> , 2005 , 16, 227-231	3.2	42
162	Thienopyrrolyl dione end-capped oligothiophene ambipolar semiconductors for thin film- and light emitting transistors. <i>Chemical Communications</i> , 2011 , 47, 11840-2	5.8	41
161	Luminescence quantum yield of molecular aggregates and excitons in hexithienyl thin films at variable temperature. <i>Journal of Applied Physics</i> , 2000 , 88, 5158-5165	2.5	40
160	Simultaneous Tenfold Brightness Enhancement and Emitted-Light Spectral Tunability in Transparent Ambipolar Organic Light-Emitting Transistor by Integration of High-k Photonic Crystal. <i>Advanced Functional Materials</i> , 2017 , 27, 1605164	15.6	39
159	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	3.8	38
158	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	5.5	35
157	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	6.4	33

156	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 ³²	3.6	32
155	Semiconducting and Electroluminescent Nanowires Self-Assembled from Organoplatinum(II) Complexes. <i>Angewandte Chemie</i> , 2008 , 120, 10043-10047	3.6	32
154	Absorption at the dipole-forbidden optical gap of crystalline C60. <i>Chemical Physics Letters</i> , 1995 , 236, 135-140	2.5	32
153	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	9.5	31
152	A nanostructured conductive bio-composite of silk fibroin-single walled carbon nanotubes. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1424-1431	7.3	31
151	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	3.7	31
150	Silk doped with a bio-modified dye as a viable platform for eco-friendly luminescent solar concentrators. <i>RSC Advances</i> , 2012 , 2, 8610	3.7	31
149	Effects of surface chemical composition on the early growth stages of alpha-sexithienyl films on silicon oxide substrates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 258-63	3.4	31
148	The polarized infrared and Raman spectra of C ₆₀ single crystal: An experimental and theoretical study. <i>Journal of Chemical Physics</i> , 2000 , 112, 5957-5969	3.9	31
147	Organic light-emitting transistors using concentric source/drain electrodes on a molecular adhesion layer. <i>Applied Physics Letters</i> , 2006 , 88, 163511	3.4	30
146	Cell penetrating silica nanoparticles doped with two-photon absorbing fluorophores. <i>Tetrahedron</i> , 2006 , 62, 10434-10440	2.4	30
145	Innovative multifunctional silk fibroin and hydrotalcite nanocomposites: a synergic effect of the components. <i>Biomacromolecules</i> , 2014 , 15, 158-68	6.9	29
144	Flux measurements on ferromagnetic microprobes by electron holography. <i>Physical Review B</i> , 1994 , 50, 6823-6828	3.3	29
143	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	3.7	28
142	Location of the lowest exciton in C60 single crystal by two-photon excitation spectroscopy. <i>Chemical Physics Letters</i> , 1995 , 245, 107-112	2.5	28
141	2016,		27
140	Computational Modeling of Isoindigo-Based Polymers Used in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 17940-17954	3.8	27
139	Continuous-flow synthesis of an efficient methanofullerene acceptor for bulk-heterojunction solar cells. <i>Energy and Environmental Science</i> , 2011 , 4, 725-727	35.4	27

138	Optical spectroscopy of unsolvated and solvated crystalline Alq3. <i>Synthetic Metals</i> , 2001 , 122, 31-35	3.6	27
137	Apex anharmonicity observed by Raman scattering in 18O substituted YBa2Cu3O6+x. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 226, 101-105	1.3	26
136	Synthesis, size-dependent optoelectronic and charge transport properties of thieno(bis)imide end-substituted molecular semiconductors. <i>Organic Electronics</i> , 2013 , 14, 3089-3097	3.5	25
135	ECore tailoring for new high performance thieno(bis)imide based n-type molecular semiconductors. <i>Chemical Communications</i> , 2013 , 49, 4298-300	5.8	25
134	A time-temperature integrator based on fluorescent and polymorphic compounds. <i>Scientific Reports</i> , 2013 , 3, 2581	4.9	25
133	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	3.7	24
132	Portable Bio/Chemosensoristic Devices: Innovative Systems for Environmental Health and Food Safety Diagnostics. <i>Frontiers in Public Health</i> , 2017 , 5, 80	6	24
131	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	4.6	23
130	Induced photodegradation of quinoxaline based copolymers for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 144, 150-158	6.4	22
129	LRRC8A is essential for swelling-activated chloride current and for regulatory volume decrease in astrocytes. <i>FASEB Journal</i> , 2019 , 33, 101-113	0.9	22
128	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	7.1	22
127	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	3.8	22
126	Pyridine-EDOT Heteroarylene-Vinylene Donor-Acceptor Polymers?. <i>Macromolecules</i> , 2010 , 43, 9698-9713	5.5	22
125	Aquatic toxicities of halogenated benzoic acids to <i>Tetrahymena pyriformis</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999 , 62, 616-22	2.7	22
124	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	6.4	22
123	Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. <i>Chemical Communications</i> , 2015 , 51, 2033-5	5.8	21
122	Organic Light-Emitting Transistors with Simultaneous Enhancement of Optical Power and External Quantum Efficiency via Conjugated Polar Polymer Interlayers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25580-25588	9.5	21
121	N-type perylene-based organic semiconductors for functional neural interfacing. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 3850-3859	7.3	21

120	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9411-9417	7.1	20
119	Mapping of charge distribution in organic field-effect transistors by confocal photoluminescence electromodulation microscopy. <i>Nano Letters</i> , 2014 , 14, 1695-700	11.5	20
118	A vinylene-linked benzo[1,2-b:4,5-b']dithiophene-2,1,3-benzothiadiazole low-bandgap polymer. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2829-2840	2.5	20
117	A Nanoscale Interface Promoting Molecular and Functional Differentiation of Neural Cells. <i>Scientific Reports</i> , 2016 , 6, 31226	4.9	19
116	Bio-doping of regenerated silk fibroin solution and films: a green route for biomanufacturing. <i>RSC Advances</i> , 2014 , 4, 33687-33694	3.7	19
115	ITO-Free Organic Light-Emitting Transistors with Graphene Gate Electrode. <i>ACS Photonics</i> , 2014 , 1, 108261-108268	10.8	18
114	Efficiency enhancement of P3HT:PCBM solar cells containing scattering Zn-Al hydrotalcite nanoparticles in the PEDOT:PSS layer. <i>Organic Photonics and Photovoltaics</i> , 2013 , 1, 1-10	5	18
113	Towards molecular design rationalization in branched multi-thiophene semiconductors: the 2-thienyl-persubstituted alpha-oligothiophenes. <i>Chemistry - A European Journal</i> , 2010 , 16, 9086-98	4.8	18
112	Ambipolar field-effect transistor based on π -dihexylquaterthiophene and π -diperfluoroquaterthiophene vertical heterojunction. <i>Microelectronics Reliability</i> , 2010 , 50, 1861-1865	1.2	18
111	The growth and characterization of α -sexithienyl-based light-emitting diodes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1997 , 355, 763-773	3	18
110	Morphology and trap luminescence in thin oligothiophene films on HOPG. <i>Chemical Physics</i> , 2002 , 285, 345-353	2.3	18
109	Charge-Exciton Interaction Rate in Organic Field-Effect Transistors by Means of Transient Photoluminescence Electromodulated Spectroscopy. <i>ACS Photonics</i> , 2017 , 4, 282-291	6.3	18
108	A physical-based equivalent circuit model for an organic/electrolyte interface. <i>Organic Electronics</i> , 2016 , 35, 176-185	3.5	18
107	A lysinated thiophene-based semiconductor as a multifunctional neural bioorganic interface. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1190-202	10.1	17
106	Molecular packing effects on the optical spectra and triplet dynamics in oligofluorene films. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11605-9	3.4	17
105	Synthesis and characterization of benzodithiophene and benzotriazole-based polymers for photovoltaic applications. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1629-37	2.5	17
104	Tuning polymorphism in 2,3-thienoimide capped oligothiophene based field-effect transistors by implementing vacuum and solution deposition methods. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5601-5608	7.1	16
103	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. <i>Dalton Transactions</i> , 2012 , 41, 9227-31	4.3	16

102	Optical properties of solid C60. <i>Synthetic Metals</i> , 1996 , 83, 213-219	3.6	16
101	A new quinoxaline and isoindigo based polymer as donor material for solar cells: Role of ecofriendly processing solvents on the device efficiency and stability. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 234-242	2.5	15
100	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	15
99	Photoinduced charge transfer in complex architected films of c60 and donor-like molecules. <i>Synthetic Metals</i> , 1999 , 103, 2392-2394	3.6	15
98	Naturally functionalized silk as useful material for photonic applications. <i>Composites Part B: Engineering</i> , 2015 , 71, 152-158	10	14
97	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	3.7	14
96	Ordering of low energy electronic excitations in hexithiophene single crystal. <i>Synthetic Metals</i> , 1997 , 84, 863-864	3.6	14
95	Electron holography in the study of the leakage field of magnetic force microscope sensor tips. <i>Applied Physics Letters</i> , 1993 , 62, 1839-1841	3.4	14
94	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	7.1	13
93	A Glial-Silicon Nanowire Electrode Junction Enabling Differentiation and Noninvasive Recording of Slow Oscillations from Primary Astrocytes. <i>Advanced Biology</i> , 2020 , 4, e1900264	3.5	13
92	Revealing Minor Electrical Losses in the Interconnecting Layers of Organic Tandem Solar Cells. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700776	4.6	13
91	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, 120-7	3.4	13
90	Picosecond time evolution of photoexcitations at 2.33 eV in alpha-sexithylenyl thin films. <i>Physical Review B</i> , 1993 , 48, 15326-15331	3.3	13
89	Preresonance Raman Spectrum of C76. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 7933-7935		13
88	Observation of interface excitons and energy transfer processes in an oligo-thiophene multi-layer structure. <i>Chemical Physics Letters</i> , 1995 , 242, 207-211	2.5	13
87	Silk fibroin film from golden-yellow Bombyx mori is a biocomposite that contains lutein and promotes axonal growth of primary neurons. <i>Biopolymers</i> , 2016 , 105, 287-99	2.2	13
86	Selective MW-assisted surface chemical tailoring of hydroxylapatite for fluorescent and biocompatible nanocomposites. <i>RSC Advances</i> , 2014 , 4, 11840	3.7	12
85	Morphology and Electronic Properties of N,N'-Ditridecylperylene-3,4,9,10-tetracarboxylic Diimide Layered Aggregates: From Structural Predictions to Charge Transport. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21857-21864	3.8	12

84	Nanoscale femtosecond spectroscopy for material science and nanotechnology. <i>Synthetic Metals</i> , 2003 , 139, 687-690	3.6	12
83	SILK.IT project: Silk Italian Technology for industrial biomanufacturing. <i>Composites Part B: Engineering</i> , 2015 , 68, 281-287	10	11
82	Epitaxial multilayers of alkanes on two-dimensional black phosphorus as passivating and electrically insulating nanostructures. <i>Nanoscale</i> , 2019 , 11, 17252-17261	7.7	11
81	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	11.8	11
80	Third-order nonlinear optical properties of fullerenes 1994 ,		11
79	On electron holographic mapping of electric and magnetic fields: recording and processing problems and field information reliability. <i>Ultramicroscopy</i> , 1994 , 53, 19-25	3.1	11
78	Toward Real Setting Applications of Organic and Perovskite Solar Cells: A Comparative Review. <i>Energy Technology</i> , 2021 , 9, 2000901	3.5	11
77	Impact of environmentally friendly processing solvents on the properties of blade-coated polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 487-494	2.5	11
76	Perovskite Solar Cells: High-Performance and Stable Perovskite Solar Cells Based on Dopant-Free Arylamine-Substituted Copper(II) Phthalocyanine Hole-Transporting Materials (Adv. Energy Mater. 26/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970104	21.8	10
75	Keratin Film as Natural and Eco-Friendly Support for Organic Optoelectronic Devices. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1900080	5.9	10
74	Efficient as-cast bulk-heterojunction solar cells based on a tert-butyl substituted methanofullerene acceptor. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18308		10
73	Optical properties and the photoluminescence quantum yield of organic molecular materials. <i>Journal of Optics</i> , 2000 , 2, 577-583		10
72	An Integrated Surfactant Solubilization and PCB Bioremediation Process for Soils. <i>Bioremediation Journal</i> , 1998 , 2, 43-56	2.3	10
71	Electrical Stimulation by an Organic Transistor Architecture Induces Calcium Signaling in Nonexcitable Brain Cells. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801139	10.1	10
70	Side chain modification on PDI-spirobifluorene-based molecular acceptors and its impact on organic solar cell performances. <i>New Journal of Chemistry</i> , 2018 , 42, 18633-18640	3.6	10
69	Stimulation of water and calcium dynamics in astrocytes with pulsed infrared light. <i>FASEB Journal</i> , 2020 , 34, 6539-6553	0.9	9
68	A potential J aggregate molecular system: crystal packing and optical properties of 4,4'-bis(2,3,4,5,6-pentafluorostyryl)stilbene. <i>Synthetic Metals</i> , 2003 , 139, 909-912	3.6	9
67	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	3.7	9

66	Observation of Multiple Stop Bands in Photonic Bandgap Structures Doped with Organic Dyes. <i>Advanced Materials</i> , 2002 , 14, 1023	24	8
65	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	7.3	8
64	Contact Resistance in Ambipolar Organic Field-Effect Transistors Measured by Confocal Photoluminescence Electro-Modulation Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35411-35419	9.5	8
63	Simple and accurate single transistor technique for parameters extraction from organic and inorganic thin film devices. <i>Organic Electronics</i> , 2018 , 63, 376-383	3.5	7
62	Effects of constant voltage stress on p- and n-type organic thin film transistors with poly(methyl methacrylate) gate dielectric. <i>Microelectronics Reliability</i> , 2013 , 53, 1798-1803	1.2	7
61	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	3	7
60	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	10.1	7
59	On the Nature of Charge-Injecting Contacts in Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30616-30626	9.5	6
58	Defect state emission in Bexithiophene single crystal. <i>Synthetic Metals</i> , 1997 , 84, 599-600	3.6	6
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