

Bernard Kippelen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6423509/publications.pdf>

Version: 2024-02-01

365
papers

23,357
citations

7551

77
h-index

9311

143
g-index

372
all docs

372
docs citations

372
times ranked

20021
citing authors

#	ARTICLE	IF	CITATIONS
1	A Universal Method to Produce Low-Work Function Electrodes for Organic Electronics. <i>Science</i> , 2012, 336, 327-332.	6.0	1,878
2	Organic photovoltaics. <i>Energy and Environmental Science</i> , 2009, 2, 251.	15.6	1,142
3	A High-Mobility Electron-Transport Polymer with Broad Absorption and Its Use in Field-Effect Transistors and All-Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 7246-7247.	6.6	1,110
4	Design and synthesis of chromophores and polymers for electro-optic and photorefractive applications. <i>Nature</i> , 1997, 388, 845-851.	13.7	1,016
5	A photorefractive polymer with high optical gain and diffraction efficiency near 100%. <i>Nature</i> , 1994, 371, 497-500.	13.7	685
6	Phosphonic Acid-Modified Barium Titanate Polymer Nanocomposites with High Permittivity and Dielectric Strength. <i>Advanced Materials</i> , 2007, 19, 1001-1005.	11.1	567
7	Efficient thin-film organic solar cells based on pentacene/C60 heterojunctions. <i>Applied Physics Letters</i> , 2004, 85, 5427-5429.	1.5	488
8	Highly efficient and bright organic electroluminescent devices with an aluminum cathode. <i>Applied Physics Letters</i> , 1997, 71, 1762-1764.	1.5	335
9	High Electron Mobility in Room-Temperature Discotic Liquid-Crystalline Perylene Diimides. <i>Advanced Materials</i> , 2005, 17, 2580-2583.	11.1	300
10	The Modification of Indium Tin Oxide with Phosphonic Acids: Mechanism of Binding, Tuning of Surface Properties, and Potential for Use in Organic Electronic Applications. <i>Accounts of Chemical Research</i> , 2012, 45, 337-346.	7.6	293
11	Critical Interfaces in Organic Solar Cells and Their Influence on the Open-Circuit Voltage. <i>Accounts of Chemical Research</i> , 2009, 42, 1758-1767.	7.6	281
12	Bright blue organic light-emitting diode with improved color purity using a LiF/Al cathode. <i>Journal of Applied Physics</i> , 1998, 84, 2324-2327.	1.1	274
13	Recyclable organic solar cells on cellulose nanocrystal substrates. <i>Scientific Reports</i> , 2013, 3, 1536.	1.6	270
14	Aluminum based cathode structure for enhanced electron injection in electroluminescent organic devices. <i>Applied Physics Letters</i> , 1998, 73, 1185-1187.	1.5	257
15	Large-area low-noise flexible organic photodiodes for detecting faint visible light. <i>Science</i> , 2020, 370, 698-701.	6.0	235
16	Substituted Aluminum and Zinc Quinolates with Blue-Shifted Absorbance/Luminescence Bands: Synthesis and Spectroscopic, Photoluminescence, and Electroluminescence Characterization. <i>Chemistry of Materials</i> , 1996, 8, 344-351.	3.2	230
17	Infrared Photorefractive Polymers and Their Applications for Imaging. <i>Science</i> , 1998, 279, 54-57.	6.0	224
18	A Spray-Processable, Low Bandgap, and Ambipolar Donor-Acceptor Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 2824-2826.	6.6	214

#	ARTICLE	IF	CITATIONS
19	A polymeric optical pattern-recognition system for security verification. <i>Nature</i> , 1996, 383, 58-60.	13.7	199
20	New Triarylamine-Containing Polymers as Hole Transport Materials in Organic Light-Emitting Diodes:Â Effect of Polymer Structure and Cross-Linking on Device Characteristics. <i>Chemistry of Materials</i> , 1998, 10, 1668-1676.	3.2	195
21	Electrochemistry and Electrogenerated Chemiluminescence Processes of the Components of Aluminum Quinolate/Triarylamine, and Related Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 1998, 120, 9646-9655.	6.6	193
22	Interface modification of ITO thin films: organic photovoltaic cells. <i>Thin Solid Films</i> , 2003, 445, 342-352.	0.8	184
23	Stability of Doped Transparent Carbon Nanotube Electrodes. <i>Advanced Functional Materials</i> , 2008, 18, 2548-2554.	7.8	183
24	High performance polymeric charge recombination layer for organic tandem solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 9827.	15.6	183
25	Origin of the open-circuit voltage in multilayer heterojunction organic solar cells. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	180
26	Intensity-dependent equivalent circuit parameters of organic solar cells based on pentacene and C60. <i>Journal of Applied Physics</i> , 2005, 97, 103706.	1.1	176
27	RF Tag Antenna Performance on Various Materials Using Radio Link Budgets. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2006, 5, 247-250.	2.4	174
28	Switchable electro-optic diffractive lens with high efficiency for ophthalmic applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6100-6104.	3.3	167
29	Copolymers of perylene diimide with dithienothiophene and dithienopyrrole as electron-transport materials for all-polymer solar cells and field-effect transistors. <i>Journal of Materials Chemistry</i> , 2009, 19, 5794.	6.7	165
30	Topâ€Gate Organic Fieldâ€Effect Transistors with High Environmental and Operational Stability. <i>Advanced Materials</i> , 2011, 23, 1293-1298.	11.1	158
31	Photoemission spectroscopy of LiF coated Al and Pt electrodes. <i>Journal of Applied Physics</i> , 1998, 84, 6729-6736.	1.1	154
32	Dithienopyrrole-based donorâ€acceptor copolymers: low band-gap materials for charge transport, photovoltaics and electrochromism. <i>Journal of Materials Chemistry</i> , 2010, 20, 123-134.	6.7	154
33	Area-scaling of organic solar cells. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	137
34	Indium tin oxide-free and metal-free semitransparent organic solar cells. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	135
35	A Vertically Integrated Solarâ€Powered Electrochromic Window for Energy Efficient Buildings. <i>Advanced Materials</i> , 2014, 26, 4895-4900.	11.1	134
36	High-performance pentacene field-effect transistors using Al2O3 gate dielectrics prepared by atomic layer deposition (ALD). <i>Organic Electronics</i> , 2007, 8, 718-726.	1.4	133

#	ARTICLE	IF	CITATIONS
37	Energy and charge transfer in organic light-emitting diodes: A soluble quinacridone study. <i>Journal of Applied Physics</i> , 1999, 85, 7939-7945.	1.1	129
38	Low-voltage InGaZnO thin-film transistors with Al ₂ O ₃ gate insulator grown by atomic layer deposition. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	128
39	Encapsulation of pentacene/C60 organic solar cells with Al ₂ O ₃ deposited by atomic layer deposition. <i>Applied Physics Letters</i> , 2007, 90, 253511.	1.5	126
40	Exciplex Electroluminescence from Organic Bilayer Devices Composed of Triphenyldiamine and Quinoxaline Derivatives. <i>Advanced Materials</i> , 1998, 10, 230-233.	11.1	123
41	Efficient Colorful Perovskite Solar Cells Using a Top Polymer Electrode Simultaneously as Spectrally Selective Antireflection Coating. <i>Nano Letters</i> , 2016, 16, 7829-7835.	4.5	123
42	Organic Two-Layer Light-Emitting Diodes Based on High-Tg Hole-Transporting Polymers with Different Redox Potentials. <i>Chemistry of Materials</i> , 1999, 11, 399-407.	3.2	122
43	Solution-based electrical doping of semiconducting polymer films over a limited depth. <i>Nature Materials</i> , 2017, 16, 474-480.	13.3	121
44	A comprehensive study of short channel effects in organic field-effect transistors. <i>Organic Electronics</i> , 2006, 7, 45-54.	1.4	120
45	Analysis of improved photovoltaic properties of pentacene/C60 organic solar cells: Effects of exciton blocking layer thickness and thermal annealing. <i>Solid-State Electronics</i> , 2007, 51, 1367-1375.	0.8	117
46	Electrical and Optical Properties of ZnO Processed by Atomic Layer Deposition in Inverted Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20713-20718.	1.5	116
47	Zinc Oxide as a Model Transparent Conducting Oxide: A Theoretical and Experimental Study of the Impact of Hydroxylation, Vacancies, Interstitials, and Extrinsic Doping on the Electronic Properties of the Polar ZnO (0002) Surface. <i>Chemistry of Materials</i> , 2012, 24, 3044-3055.	3.2	110
48	Solvent and polymer matrix effects on TIPS-pentacene/polymer blend organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 5531.	6.7	109
49	Polydimethylsiloxane as a Macromolecular Additive for Enhanced Performance of Molecular Bulk Heterojunction Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1210-1215.	4.0	108
50	Efficient recyclable organic solar cells on cellulose nanocrystal substrates with a conducting polymer top electrode deposited by film-transfer lamination. <i>Organic Electronics</i> , 2014, 15, 661-666.	1.4	108
51	Room-temperature discotic liquid-crystalline coronene diimides exhibiting high charge-carrier mobility in air. <i>Journal of Materials Chemistry</i> , 2009, 19, 6688.	6.7	107
52	Stable organic thin-film transistors. <i>Science Advances</i> , 2018, 4, eaao1705.	4.7	107
53	Solution-Processed Molecular Bis(Naphthalene Diimide) Derivatives with High Electron Mobility. <i>Chemistry of Materials</i> , 2011, 23, 3408-3410.	3.2	106
54	Pentacene organic field-effect transistors with polymeric dielectric interfaces: Performance and stability. <i>Organic Electronics</i> , 2009, 10, 1133-1140.	1.4	104

#	ARTICLE	IF	CITATIONS
55	High-performance and electrically stable C60 organic field-effect transistors. Applied Physics Letters, 2007, 91, .	1.5	99
56	Self-Assembly Processes for Organic LED Electrode Passivation and Charge Injection Balance. Advanced Materials, 1999, 11, 227-231.	11.1	98
57	Direct correlation between work function of indium-tin-oxide electrodes and solar cell performance influenced by ultraviolet irradiation and air exposure. Physical Chemistry Chemical Physics, 2012, 14, 12014.	1.3	98
58	All-plastic solar cells with a high photovoltaic dynamic range. Journal of Materials Chemistry A, 2014, 2, 3492.	5.2	97
59	Oxadiazole Metal Complex for Organic Light-Emitting Diodes. Advanced Materials, 1999, 11, 1266-1269.	11.1	95
60	High Charge-Carrier Mobility in an Amorphous Hexaazatrinaphthylene Derivative. Journal of the American Chemical Society, 2005, 127, 16358-16359.	6.6	95
61	Electron-Transport Properties and Use in Organic Light-Emitting Diodes of a Bis(dioxaborine)fluorene Derivative. Journal of Physical Chemistry B, 2004, 108, 8647-8651.	1.2	94
62	Inverted organic solar cells with ITO electrodes modified with an ultrathin Al2O3 buffer layer deposited by atomic layer deposition. Journal of Materials Chemistry, 2010, 20, 6189.	6.7	93
63	Highly efficient photorefractive polymers for dynamic holography. Optical Engineering, 1995, 34, 2213.	0.5	90
64	Benzothiadiazole-Dithienopyrrole Donor-Acceptor-Donor and Acceptor-Donor-Acceptor Triads: Synthesis and Optical, Electrochemical, and Charge-Transport Properties. Journal of Physical Chemistry C, 2011, 115, 23149-23163.	1.5	90
65	Photo-crosslinkable polymers as hole-transport materials for organic light-emitting diodes. Journal of Materials Chemistry, 2002, 12, 1703-1708.	6.7	88
66	Synthesis, Ionisation Potentials and Electron Affinities of Hexaazatrinaphthylene Derivatives. Chemistry - A European Journal, 2007, 13, 3537-3547.	1.7	88
67	Direct observation of orientation limit in a fast photorefractive polymer composite. Applied Physics Letters, 1999, 74, 2253-2255.	1.5	86
68	Photo-Patternable Hole-Transport Polymers for Organic Light-Emitting Diodes. Chemistry of Materials, 2003, 15, 1491-1496.	3.2	86
69	Chromophore Design for Photorefractive Applications. Journal of the American Chemical Society, 1997, 119, 4559-4560.	6.6	83
70	A hybrid encapsulation method for organic electronics. Applied Physics Letters, 2009, 94, .	1.5	83
71	Columnar Discotic Liquid-Crystalline Oxadiazoles as Electron-Transport Materials. Langmuir, 2003, 19, 6534-6536.	1.6	82
72	Whispering-gallery-mode microring laser using a conjugated polymer. Applied Physics Letters, 1998, 72, 141-143.	1.5	81

#	ARTICLE	IF	CITATIONS
73	2,7-Bis(diarylamino)-9,9-dimethylfluorenes as Hole-Transport Materials for Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2003, 13, 967-973.	7.8	81
74	A correlation study between barrier film performance and shelf lifetime of encapsulated organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 101, 140-146.	3.0	81
75	Self-Assembled Amphiphilic Diketopyrrolopyrrole-Based Oligothiophenes for Field-Effect Transistors and Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 2285-2288.	3.2	80
76	Flexible and stable solution-processed organic field-effect transistors. <i>Organic Electronics</i> , 2011, 12, 1108-1113.	1.4	80
77	Molecular Engineering of Nonhalogenated Solution-Processable Bithiazole-Based Electron-Transport Polymeric Semiconductors. <i>Chemistry of Materials</i> , 2015, 27, 2928-2937.	3.2	79
78	A Nonvolatile Organic Memory Device Using ITO Surfaces Modified by Ag Nanodots. <i>Advanced Functional Materials</i> , 2008, 18, 1112-1118.	7.8	78
79	Stabilization of the work function of indium tin oxide using organic surface modifiers in organic light-emitting diodes. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	78
80	Enhanced Charge Carrier Injection and Collection Via Lamination of Doped Polymer Layers Doped with a Solution-Processible Molybdenum Complex. <i>Advanced Functional Materials</i> , 2014, 24, 2197-2204.	7.8	77
81	A Study on Reducing Contact Resistance in Solution-Processed Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24744-24752.	4.0	77
82	Reduction of the Work Function of Gold by N-Heterocyclic Carbenes. <i>Chemistry of Materials</i> , 2017, 29, 3403-3411.	3.2	76
83	Low-voltage flexible organic complementary inverters with high noise margin and high dc gain. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	73
84	Flexible all-solution-processed all-plastic multijunction solar cells for powering electronic devices. <i>Materials Horizons</i> , 2016, 3, 452-459.	6.4	73
85	Dual-grating formation through photorefractivity and photoisomerization in azo-dye-doped polymers. <i>Optics Letters</i> , 1994, 19, 68.	1.7	71
86	Fullerene based n-type organic thin-film transistors. <i>Organic Electronics</i> , 2005, 6, 182-187.	1.4	71
87	Organic light-emitting diode with 20 lm/W efficiency using a triphenylamine side-group polymer as the hole transport layer. <i>Applied Physics Letters</i> , 1999, 74, 3212-3214.	1.5	70
88	Tailoring the work function of indium tin oxide electrodes in electrophosphorescent organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2009, 105, 084507.	1.1	70
89	Photoconductive properties of PVK-based photorefractive polymer composites doped with fluorinated styrene chromophores. <i>Journal of Materials Chemistry</i> , 1999, 9, 2251-2258.	6.7	69
90	Synthesis and Characterization of Polymerizable Phosphorescent Platinum(II) Complexes for Solution-Processible Organic Light-Emitting Diodes. <i>Organometallics</i> , 2007, 26, 4816-4829.	1.1	69

#	ARTICLE	IF	CITATIONS
91	Optimization of Orange-Emitting Electrophosphorescent Copolymers for Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008, 18, 3056-3062.	7.8	67
92	Solution-processible high-permittivity nanocomposite gate insulators for organic field-effect transistors. <i>Applied Physics Letters</i> , 2008, 93, 013302.	1.5	67
93	Polymers with Carbazole-Oxadiazole Side Chains as Ambipolar Hosts for Phosphorescent Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2011, 23, 4002-4015.	3.2	67
94	Stable Solution-Processed Molecular Channel Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2012, 24, 4445-4450.	11.1	67
95	Covalently Interlinked Organic LED Transport Layers via Spin-Coating/Siloxane Condensation. <i>Advanced Materials</i> , 1999, 11, 730-734.	11.1	66
96	Crosslinking Using Rapid Thermal Processing for the Fabrication of Efficient Solution-Processed Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2013, 25, 1739-1744.	11.1	66
97	Norbornene-Based Copolymers with Iridium Complexes and Bis(carbazolyl)fluorene Groups in Their Side-Chains and Their Use in Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2007, 19, 5602-5608.	3.2	65
98	Pentacene organic field-effect transistors with doped electrode-semiconductor contacts. <i>Organic Electronics</i> , 2010, 11, 860-863.	1.4	65
99	Passivation of trap states in unpurified and purified C60 and the influence on organic field-effect transistor performance. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	65
100	Birefringence, Pockels, and Kerr effects in photorefractive polymers. <i>Applied Physics Letters</i> , 1996, 68, 1748-1750.	1.5	64
101	Thermal transport properties of thin films of small molecule organic semiconductors. <i>Applied Physics Letters</i> , 2005, 87, 241908.	1.5	63
102	Bistriarylamine Polymer-Based Composites for Photorefractive Applications. <i>Advanced Materials</i> , 2004, 16, 2032-2036.	11.1	62
103	High-performance InGaZnO thin-film transistors with high-k amorphous Ba _{0.5} Sr _{0.5} TiO ₃ gate insulator. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	62
104	Photorefractivity in a functional side-chain polymer. <i>Physical Review B</i> , 1993, 48, 10710-10718.	1.1	61
105	High electron mobility in nickel bis(dithiolene) complexes. <i>Journal of Materials Chemistry</i> , 2007, 17, 2642.	6.7	61
106	Optimization of a polymer top electrode for inverted semitransparent organic solar cells. <i>Organic Electronics</i> , 2011, 12, 827-831.	1.4	59
107	Highly efficient Organic Light-Emitting Diodes from thermally activated delayed fluorescence using a sulfone-carbazole host material. <i>Organic Electronics</i> , 2015, 16, 109-112.	1.4	58
108	High-performance C60-n-channel organic field-effect transistors through optimization of interfaces. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	56

#	ARTICLE	IF	CITATIONS
109	Synthesis, Properties, and Tunable Supramolecular Architecture of Regioregular Poly(3-alkylthiophene)s with Alternating Alkyl and Semifluoroalkyl Substituents. <i>Macromolecules</i> , 2008, 41, 5156-5165.	2.2	55
110	Stable Low-Voltage Operation Top-Gate Organic Field-Effect Transistors on Cellulose Nanocrystal Substrates. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4804-4808.	4.0	55
111	Dithienopyrrole-quinoxaline/pyridopyrazine donor-acceptor polymers: synthesis and electrochemical, optical, charge-transport, and photovoltaic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 4971.	6.7	54
112	Stannyl Derivatives of Naphthalene Diimides and Their Use in Oligomer Synthesis. <i>Organic Letters</i> , 2012, 14, 918-921.	2.4	54
113	Low-voltage pentacene organic field-effect transistors with high- κ HfO ₂ gate dielectrics and high stability under bias stress. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	52
114	ITO-free large-area flexible organic solar cells with an embedded metal grid. <i>Organic Electronics</i> , 2015, 17, 349-354.	1.4	52
115	Near diffraction-limited laser emission from a polymer in a high finesse planar cavity. <i>Applied Physics Letters</i> , 1998, 72, 269-271.	1.5	51
116	Reduction of contact resistance by selective contact doping in fullerene n-channel organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	51
117	Flexible large-area organic tandem solar cells with high defect tolerance and device yield. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3186-3192.	5.2	51
118	Effects of surface modification of indium tin oxide electrodes on the performance of molecular multilayer organic photovoltaic devices. <i>Journal of Materials Chemistry</i> , 2009, 19, 5298.	6.7	50
119	High-performance photorefractive polymers sensitized by cadmium selenide nanoparticles. <i>Applied Physics Letters</i> , 2004, 85, 534-536.	1.5	49
120	Synthesis and Characterization of Highly Efficient Photorefractive Polymer Composites with Long Phase Stability. <i>Macromolecules</i> , 1998, 31, 734-739.	2.2	48
121	Small Molecule Chemisorption on Indium-Tin Oxide Surfaces: Enhancing Probe Molecule Electron-Transfer Rates and the Performance of Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25191-25202.	1.2	48
122	Highly efficient photorefractive polymer-dispersed liquid crystals. <i>Applied Physics Letters</i> , 1998, 73, 2408-2410.	1.5	47
123	Thermally stable high-gain photorefractive polymer composites based on a tri-functional chromophore. <i>Applied Physics Letters</i> , 1998, 72, 1679-1681.	1.5	47
124	Oriented Growth of Al ₂ O ₃ :ZnO Nanolaminates for Use as Electron-Selective Electrodes in Inverted Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 1531-1538.	7.8	47
125	Defect-Driven Interfacial Electronic Structures at an Organic/Metal-Oxide Semiconductor Heterojunction. <i>Advanced Materials</i> , 2014, 26, 4711-4716.	11.1	46
126	Systematic Reliability Study of Top-Gate p- and n-Channel Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3378-3386.	4.0	45

#	ARTICLE	IF	CITATIONS
127	New highly efficient photorefractive polymer composite for optical-storage and image-processing applications. <i>Electronics Letters</i> , 1993, 29, 1873.	0.5	44
128	Study of electrical performance and stability of solution-processed n-channel organic field-effect transistors. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	44
129	High photogeneration efficiency of charge-transfer complexes formed between low ionization potential arylamines and C60. <i>Journal of Chemical Physics</i> , 2000, 112, 9557-9561.	1.2	43
130	Photorefractive polymer composite operating at the optical communication wavelength of 1550 nm. <i>Applied Physics Letters</i> , 2004, 85, 4561-4563.	1.5	43
131	Efficient green OLED devices with an emissive layer comprised of phosphor-doped carbazole/bis-oxadiazole side-chain polymer blends. <i>Organic Electronics</i> , 2011, 12, 492-496.	1.4	43
132	Engineering the mechanical properties of ultrabARRIER films grown by atomic layer deposition for the encapsulation of printed electronics. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	42
133	Fluorenyl-substituted silole molecules: geometric, electronic, optical, and device properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 3157.	6.7	41
134	Performance comparison of pentacene organic field-effect transistors with SiO ₂ modified with octyltrichlorosilane or octadecyltrichlorosilane. <i>Organic Electronics</i> , 2012, 13, 18-22.	1.4	41
135	Nanometer-Scale Dielectric Self-assembly Process for Anode Modification in Organic Light-Emitting Diodes. Consequences for Charge Injection and Enhanced Luminous Efficiency. <i>Chemistry of Materials</i> , 2002, 14, 3054-3065.	3.2	40
136	Variable splitting ratio 2 Å— 2 MMI couplers using multimode waveguide holograms. <i>Optics Express</i> , 2007, 15, 9015.	1.7	40
137	ITO-free large-area organic light-emitting diodes with an integrated metal grid. <i>Optics Express</i> , 2011, 19, A793.	1.7	40
138	Polymer solar cells with NiO hole-collecting interlayers processed by atomic layer deposition. <i>Organic Electronics</i> , 2013, 14, 2802-2808.	1.4	40
139	Phase stability of guest/host photorefractive polymers studied by light scattering experiments. <i>Applied Physics Letters</i> , 1997, 71, 1159-1161.	1.5	39
140	Stabilization of the response time in photorefractive polymers. <i>Applied Physics Letters</i> , 2000, 77, 2292-2294.	1.5	39
141	Flexible hybrid complementary inverters with high gain and balanced noise margins using pentacene and amorphous InGaZnO thin-film transistors. <i>Organic Electronics</i> , 2010, 11, 1074-1078.	1.4	39
142	Metal-oxide complementary inverters with a vertical geometry fabricated on flexible substrates. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	39
143	Organic Photovoltaic Cells with Stable Top Metal Electrodes Modified with Polyethylenimine. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6202-6207.	4.0	39
144	Förster energy transfer from a fluorescent dye to a phosphorescent dopant: a concentration and intensity study. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4109-4114.	1.3	38

#	ARTICLE	IF	CITATIONS
145	Large-aperture switchable thin diffractive lens with interleaved electrode patterns. <i>Applied Physics Letters</i> , 2006, 89, 141120.	1.5	38
146	Stable Organic Field-Effect Transistors for Continuous and Nondestructive Sensing of Chemical and Biologically Relevant Molecules in Aqueous Environment. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1616-1622.	4.0	38
147	Organic light-emitting diodes on shape memory polymer substrates for wearable electronics. <i>Organic Electronics</i> , 2015, 25, 151-155.	1.4	38
148	A numerical study of operational characteristics of organic light-emitting diodes. <i>Journal of Applied Physics</i> , 1998, 84, 5306-5314.	1.1	37
149	Effect of Substitution on the Hole Mobility of Bis(diarylamino)biphenyl Derivatives Doped in Poly(Styrene). <i>Chemistry of Materials</i> , 2003, 15, 994-999.	3.2	37
150	Low-voltage solution-processed n-channel organic field-effect transistors with high-k HfO ₂ gate dielectrics grown by atomic layer deposition. <i>Applied Physics Letters</i> , 2009, 95, 223303.	1.5	36
151	Sharp Red Organic Light-Emitting Devices with Enhanced Efficiency. <i>Japanese Journal of Applied Physics</i> , 1999, 38, L1553-L1555.	0.8	35
152	Vertically stacked complementary inverters with solution-processed organic semiconductors. <i>Organic Electronics</i> , 2011, 12, 1132-1136.	1.4	35
153	Top-gate organic field-effect transistors fabricated on paper with high operational stability. <i>Organic Electronics</i> , 2017, 41, 340-344.	1.4	35
154	Low-voltage C60 organic field-effect transistors with high mobility and low contact resistance. <i>Applied Physics Letters</i> , 2008, 93, 133305.	1.5	34
155	Roles of thermally-induced vertical phase segregation and crystallization on the photovoltaic performance of bulk heterojunction inverted polymer solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 3456.	15.6	34
156	Studies of the optimization of recombination layers for inverted tandem polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 107, 51-55.	3.0	34
157	2-Bromo perylene diimide: synthesis using C-H activation and use in the synthesis of bis(peryleno) Tj ETQq1 1 0.784314 rgBT /Over 2.7 34	0.784314	34
158	Photorefractive effect in a poled polymer containing the tricyanovinylcarbazole group. <i>Journal of Applied Physics</i> , 1993, 74, 3617-3619.	1.1	33
159	Impact of conformation on the dipole moment of bis-triarylamine derivatives. <i>Chemical Physics Letters</i> , 2002, 354, 283-290.	1.2	33
160	Synthesis of acrylate and norbornene polymers with pendant 2,7-bis(diarylamino)fluorene hole-transport groups. <i>Tetrahedron</i> , 2004, 60, 7169-7176.	1.0	33
161	A comprehensive analysis of the contributions to the nonlinear optical properties of thin Ag films. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	33
162	Bilayer Structure with Ultrahigh Energy/Power Density Using Hybrid Sol-Gel Dielectric and Charge-Blocking Monolayer. <i>Advanced Energy Materials</i> , 2015, 5, 1500767.	10.2	33

#	ARTICLE	IF	CITATIONS
163	A model for the current-voltage characteristics and the quantum efficiency of single-layer organic light emitting diodes. <i>Applied Physics Letters</i> , 1997, 71, 1290-1292.	1.5	32
164	Effect of phosphonic acid surface modifiers on the work function of indium tin oxide and on the charge injection barrier into organic single-layer diodes. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	32
165	Efficient organic light-emitting diodes fabricated on cellulose nanocrystal substrates. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	32
166	Stable solvent for solution-based electrical doping of semiconducting polymer films and its application to organic solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 2216-2224.	15.6	32
167	Photorefractive polymers sensitized by two-photon absorption. <i>Optics Letters</i> , 2002, 27, 19.	1.7	31
168	Third-harmonic generation and its applications in optical image processing. <i>Journal of Materials Chemistry</i> , 2009, 19, 7394.	6.7	31
169	Stability improvement of high-performance photorefractive polymers containing eutectic mixtures of electro-optic chromophores. <i>Advanced Materials</i> , 1997, 9, 1043-1046.	11.1	30
170	Transillumination imaging through scattering media by use of photorefractive polymers. <i>Optics Letters</i> , 1998, 23, 153.	1.7	30
171	ITO-free large-area organic solar cells. <i>Optics Express</i> , 2010, 18, A458.	1.7	30
172	Enhanced carrier mobility and electrical stability of n-channel polymer thin film transistors by use of low-k dielectric buffer layer. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	30
173	Skin-like low-noise elastomeric organic photodiodes. <i>Science Advances</i> , 2021, 7, eabj6565.	4.7	30
174	Stacked inverted top-emitting green electrophosphorescent organic light-emitting diodes on glass and flexible glass substrates. <i>Organic Electronics</i> , 2013, 14, 2418-2423.	1.4	29
175	Synthesis and Characterization of Poly(2,5-bis(N-methyl-N-hexylamino)phenylene vinylene), a Conjugated Polymer for Light-Emitting Diodes. <i>Macromolecules</i> , 1998, 31, 7566-7569.	2.2	28
176	Ellipsometric determination of the electric-field-induced birefringence of photorefractive dyes in a liquid carbazole derivative. <i>Chemical Physics</i> , 1999, 245, 407-415.	0.9	28
177	Equivalent circuit model for organic single-layer diodes. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	28
178	High-efficiency blue-green electrophosphorescent light-emitting devices using a bis-sulfone as host in the emitting layer. <i>Organic Electronics</i> , 2011, 12, 1314-1318.	1.4	28
179	Pyrrole[3,2-d:4,5-d']bisthiazole-bridged bis(naphthalene diimide)s as electron-transport materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 124-131.	2.7	28
180	Comparison of Pentacene and Amorphous Silicon AMOLED Display Driver Circuits. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008, 55, 1177-1184.	3.5	27

#	ARTICLE	IF	CITATIONS
181	Complementary-like inverters based on an ambipolar solution-processed molecular bis(naphthalene) Tj ETQq1 1 0.784314 rgBT /Over	1.4	27
182	Vertically stacked hybrid organic-inorganic complementary inverters with low operating voltage on flexible substrates. <i>Organic Electronics</i> , 2011, 12, 45-50.	1.4	26
183	Polyvinylpyrrolidone-modified indium tin oxide as an electron-collecting electrode for inverted polymer solar cells. <i>Applied Physics Letters</i> , 2012, 101, 073303.	1.5	26
184	High-performance inverted top-emitting green electrophosphorescent organic light-emitting diodes with a modified top Ag anode. <i>Organic Electronics</i> , 2013, 14, 1271-1275.	1.4	26
185	Non-Bragg orders in dynamic self-diffraction on thick phase gratings in a photorefractive polymer. <i>Optics Letters</i> , 1996, 21, 519.	1.7	25
186	Photorefractive Polymers and their Applications. , 2003, , 87-156.		25
187	Highly efficient inverted top-emitting green phosphorescent organic light-emitting diodes on glass and flexible substrates. <i>Applied Physics Letters</i> , 2012, 101, 023304.	1.5	25
188	Organometallic Dimers: Application to Work-Function Reduction of Conducting Oxides. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4320-4326.	4.0	25
189	High performance blue-emitting organic light-emitting diodes from thermally activated delayed fluorescence: A guest/host ratio study. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	25
190	Thermally Activated Delayed Fluorescence Sensitization for Highly Efficient Blue Fluorescent Emitters. <i>Advanced Functional Materials</i> , 2020, 30, 2005898.	7.8	25
191	Poling of soda-lime glass for hybrid glass/polymer electro-optic modulators. <i>Applied Physics Letters</i> , 2000, 76, 1086-1088.	1.5	24
192	Synthesis and characterization of naphthalene diimide/diethynylbenzene copolymers. <i>Polymer</i> , 2012, 53, 1072-1078.	1.8	24
193	Self-(Un)rolling Biopolymer Microstructures: Rings, Tubules, and Helical Tubules from the Same Material. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8490-8493.	7.2	24
194	Host-Free Yellow-Green Organic Light-Emitting Diodes with External Quantum Efficiency over 20% Based on a Compound Exhibiting Thermally Activated Delayed Fluorescence. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12693-12698.	4.0	24
195	Heterogeneously integrated organic light-emitting diodes with complementary metal-oxide-silicon circuitry. <i>Applied Physics Letters</i> , 2000, 76, 3849-3851.	1.5	23
196	Anisotropies in the electrical properties of rod-like aggregates of liquid crystalline phthalocyanines: Direct current conductivities and field-effect mobilities. <i>Journal of Materials Research</i> , 2004, 19, 2087-2099.	1.2	23
197	Synthesis and optical properties of a series of chromophore functionalized polysilanes. <i>Journal of Materials Chemistry</i> , 2005, 15, 778.	6.7	23
198	Highly efficient green phosphorescent organic light-emitting diodes with simplified device geometry. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	23

#	ARTICLE	IF	CITATIONS
199	Benzo[1,2-b:6,5-b'€²]dithiophene(dithiazole)-4,5-dione derivatives: synthesis, electronic properties, crystal packing and charge transport. Journal of Materials Chemistry C, 2013, 1, 1467.	2.7	23
200	Organic Field-Effect Transistors with a Bilayer Gate Dielectric Comprising an Oxide Nanolaminate Grown by Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2016, 8, 29872-29876.	4.0	23
201	Enhancement of optical nonlinearity of heavyâ€metal oxide glasses by replacing lead and bismuth with thallium. Applied Physics Letters, 1993, 63, 2630-2632.	1.5	22
202	Third-order optical autocorrelator for time-domain operation at telecommunication wavelengths. Applied Physics Letters, 2004, 85, 179-181.	1.5	22
203	Integrated organic photovoltaic modules with a scalable voltage output. Applied Physics Letters, 2006, 89, 233516.	1.5	22
204	Polynorbornenes with pendant perylene diimides for organic electronic applications. Polymer Chemistry, 2012, 3, 2996.	1.9	22
205	Temperature dependence of the threshold for laser emission in polymer microlasers. Applied Physics Letters, 2000, 77, 2783-2785.	1.5	21
206	Linear and nonlinear optical properties of Ag/Au bilayer thin films. Optics Express, 2012, 20, 8629.	1.7	21
207	Inverted Tandem Polymer Solar Cells with Polyethylenimineâ€Modified MoO_X/Al₂O₃:ZnO Nanolaminate as the Charge Recombination Layers. Advanced Energy Materials, 2014, 4, 1400048.	10.2	21
208	On the mechanism of orientational photorefractivity in polymer dispersed nematics. Chemical Physics Letters, 2000, 319, 655-660.	1.2	20
209	Organic light-emitting diodes with multiple photocrosslinkable hole-transport layers. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2726-2732.	2.4	20
210	Inverted polymer solar cells with amorphous indium zinc oxide as the electron-collecting electrode. Optics Express, 2010, 18, A506.	1.7	19
211	Inverted top-emitting blue electrophosphorescent organic light-emitting diodes with high current efficacy. Applied Physics Letters, 2012, 101, .	1.5	19
212	Video-rate compatible photorefractive polymers with stable dynamic properties under continuous operation. Applied Physics Letters, 2004, 85, 1877-1879.	1.5	18
213	Self-assembly reaches new heights. Nature Materials, 2004, 3, 841-843.	13.3	18
214	Thick Opticalâ€Quality Films of Substituted Polyacetylenes with Large, Ultrafast Thirdâ€Order Nonlinearities and Application to Image Correlation. Advanced Materials, 2008, 20, 3199-3203.	11.1	18
215	A Comparative Study of Charge Mobility Measurements in a Diamine and in a Hexaazatrinaphthylene Using Different Techniques. Molecular Crystals and Liquid Crystals, 2008, 481, 80-93.	0.4	18
216	Controlling the directional emission of holey organic microlasers. Applied Physics Letters, 2009, 95, 101108.	1.5	18

#	ARTICLE	IF	CITATIONS
217	Optical dispersion of the refractive index modulation in low Tg photorefractive polymers. Applied Physics Letters, 1997, 71, 873-875.	1.5	17
218	Temperature dependence of the stimulated emission in a conjugated polymer. Applied Physics Letters, 1999, 75, 748-750.	1.5	17
219	Photorefractive Polymers with Non-Destructive Readout. Advanced Functional Materials, 2002, 12, 615-620.	7.8	17
220	Variable-ratio power splitters using computer-generated planar holograms on multimode interference couplers. Optics Letters, 2009, 34, 512.	1.7	17
221	Tetracyano isoidindigo small molecules and their use in n-channel organic field-effect transistors. Physical Chemistry Chemical Physics, 2014, 16, 19345-19350.	1.3	17
222	Simultaneous cross-linking and p-doping of a polymeric semiconductor film by immersion into a phosphomolybdic acid solution for use in organic solar cells. Chemical Communications, 2016, 52, 3825-3827.	2.2	17
223	Langmuir-Blodgett Thin Films of Diketopyrrolopyrrole-Based Amphiphiles. ACS Applied Materials & Interfaces, 2018, 10, 11995-12004.	4.0	17
224	Effect of the Number and Substitution Pattern of Carbazole Donors on the Singlet and Triplet State Energies in a Series of Carbazole-Oxadiazole Derivatives Exhibiting Thermally Activated Delayed Fluorescence. Chemistry of Materials, 2018, 30, 6389-6399.	3.2	17
225	SPICE Optimization of Organic FET Models Using Charge Transport Elements. IEEE Transactions on Electron Devices, 2009, 56, 38-42.	1.6	16
226	An organic complementary differential amplifier for flexible AMOLED applications. , 2010, , .		16
227	Measurements of the field-effect electron mobility of the acceptor ITIC. Organic Electronics, 2018, 58, 290-293.	1.4	16
228	Optimizing Crack Onset Strain for Silicon Nitride/Fluoropolymer Nanolaminate Barrier Films. ACS Applied Nano Materials, 2019, 2, 2525-2532.	2.4	16
229	Picosecond excite and probe nonlinear absorption measurements in CuCl quantum dots. Applied Physics Letters, 1991, 59, 3378-3380.	1.5	15
230	Synthesis of Photo-Crosslinkable Hole-Transport Polymers with Tunable Oxidation Potentials And Their Use In Organic Light-Emitting Diodes. Synthesis, 2002, 2002, 1201.	1.2	15
231	Synthesis, electron mobility, and electroluminescence of a polynorbornene-supported silole. Polymer, 2009, 50, 397-403.	1.8	15
232	Organic Thin-Film Transistors with a Bottom Bilayer Gate Dielectric Having a Low Operating Voltage and High Operational Stability. ACS Applied Electronic Materials, 2020, 2, 2813-2818.	2.0	15
233	OptoSense. , 2020, 4, 1-27.		15
234	Light amplification and laser emission in conjugated polymers. Optical Engineering, 1998, 37, 1149.	0.5	14

#	ARTICLE	IF	CITATIONS
235	Ultrafast-pulse diagnostic using third-order frequency-resolved optical gating in organic films. <i>Applied Physics Letters</i> , 2004, 85, 3348-3350.	1.5	14
236	Self-forming electrode modification in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8297-8303.	2.7	14
237	Single-wavelength pulsed optical logic based on dichroism in CdS. <i>Optics Communications</i> , 1992, 90, 339-346.	1.0	13
238	High T/sub g/ hole transport polymers for the fabrication of bright and efficient organic light-emitting devices with an air-stable cathode. <i>IEEE Journal of Quantum Electronics</i> , 2000, 36, 12-17.	1.0	13
239	Direct imaging through scattering media by use of efficient third-harmonic generation in organic materials. <i>Optics Letters</i> , 2004, 29, 2515.	1.7	13
240	High mobility C60 organic field-effect transistors. <i>Electronics Letters</i> , 2005, 41, 444.	0.5	13
241	Transparent organic field-effect transistors with polymeric source and drain electrodes fabricated by inkjet printing. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	13
242	Optical properties of one-dimensional metalâ€“dielectric photonic band-gap structures with low index dielectrics. <i>Thin Solid Films</i> , 2009, 517, 2736-2741.	0.8	13
243	Easily Reducible Materials from the Reactions of Diselenopheno[3,2- <i>b</i> :2â€²,3â€²-d]pyrrole and Dithieno[3,2- <i>b</i> :2â€²,3â€²- <i>d</i>]pyrrole with Tetracyanoethylene. <i>Journal of Organic Chemistry</i> , 2012, 77, 10931-10937.	1.7	13
244	Experimental investigation of defect-assisted and intrinsic water vapor permeation through ultrabARRIER films. <i>Review of Scientific Instruments</i> , 2016, 87, 033902.	0.6	13
245	Near room-temperature direct encapsulation of organic photovoltaics by plasma-based deposition techniques. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 024003.	1.3	12
246	Nonlinear photorefractive polymers. <i>Optical Materials</i> , 1995, 4, 354-357.	1.7	11
247	Compact, low power polymer-based optical correlator. <i>Review of Scientific Instruments</i> , 1997, 68, 1119-1121.	0.6	11
248	Nonlinear optical properties of induced transmission filters. <i>Optics Express</i> , 2010, 18, 19101.	1.7	11
249	Phosphorescent light-emitting diodes using triscarbazole/bis(oxadiazole) hosts: comparison of homopolymer blends and random and block copolymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6743.	2.7	11
250	Inverted organic solar cells with polymer-modified fluorine-doped tin oxide as the electron-collecting electrode. <i>Thin Solid Films</i> , 2014, 554, 54-57.	0.8	11
251	Electro-Optic Adaptive Lens as a New Eyewear. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 454, 157/[559]-166/[568].	0.4	10
252	Efficient Electrical Doping of Organic Semiconductors Via an Orthogonal Liquidâ€“Liquid Contact. <i>Advanced Functional Materials</i> , 2021, 31, 2009660.	7.8	10

#	ARTICLE	IF	CITATIONS
253	Effect of Au deposition rate on the performance of top-contact pentacene organic field-effect transistors. <i>Synthetic Metals</i> , 2009, 159, 2371-2374.	2.1	9
254	Efficient blue-emitting electrophosphorescent organic light-emitting diodes using 2-(3,5-di(carbazol-9-yl)phenyl)-5-phenyl-1,3,4-oxadiazole as an ambipolar host. <i>RSC Advances</i> , 2013, 3, 23514.	1.7	9
255	Coherent Signal Generation in CuCl by Light-Induced Grating and Induced Biexciton Decay. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 158, 391-396.	0.7	8
256	Gain Dynamics in Conjugated Polymers at Room Temperature. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 206, 131-138.	0.7	8
257	Ultrafast optical image processing based on third-harmonic generation in organic thin films. <i>Applied Physics Letters</i> , 2007, 91, 131110.	1.5	8
258	Bis(naphthalene diimide) derivatives with mono- and dicarbonyl-fused tricyclic heterocyclic bridges as electron-transport materials. <i>Journal of Organic Semiconductors</i> , 2013, 1, 7-15.	1.2	8
259	Photorefractive polymer composites fabricated by injection molding. <i>Applied Physics Letters</i> , 2002, 80, 1156-1158.	1.5	7
260	Ultrafast nonlinear mirrors with broad spectral and angular bandwidths in the visible spectral range. <i>Optics Express</i> , 2013, 21, 3573.	1.7	7
261	Organic Photorefractive Materials and Their Applications. , 2007, , 487-534.		7
262	<title>Synthesis and structural characterization of multifunctional polysiloxanes for photorefractive effect</title>. , 1998, , .		6
263	Stacked inverted top-emitting white organic light-emitting diodes composed of orange and blue light-emitting units. <i>Applied Physics Letters</i> , 2013, 103, 193303.	1.5	6
264	Benzocyclobutene polymer as an additive for a benzocyclobutene-fullerene: application in stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9347-9353.	5.2	6
265	Micro-pixel arrays of bright organic electroluminescent devices for high definition displays. <i>Electronics Letters</i> , 1997, 33, 2070.	0.5	5
266	Organic photovoltaic cells containing discotic liquid crystalline phthalocyanines. , 2004, 5215, 71.		5
267	Compact and self-aligned all-optical image correlator based on third-harmonic generation. <i>Optics Letters</i> , 2007, 32, 2599.	1.7	5
268	Fabrication of a Blue Mimes N\$ Pixel Organic Light-Emitting Diode Video Display Incorporating a Thermally Stable Emitter. <i>Journal of Display Technology</i> , 2009, 5, 120-125.	1.3	5
269	Precise determination of optical properties of pentacene thin films grown on various substrates: Gauss-Lorentz model with effective medium approach. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 139-144.	1.1	5
270	Organic field-effect transistor circuits using atomic layer deposited gate dielectrics patterned by reverse stamping. <i>Organic Electronics</i> , 2014, 15, 3780-3786.	1.4	5

#	ARTICLE	IF	CITATIONS
271	Control of Singlet Emission Energy in a Diphenyloxadiazole Containing Fluorophore Leading To Thermally Activated Delayed Fluorescence. ACS Omega, 2018, 3, 14918-14923.	1.6	5
272	Mutual electrical doping in polymers. Nature Materials, 2020, 19, 702-704.	13.3	5
273	Increasing Volume in Conjugated Polymers to Facilitate Electrical Doping with Phosphomolybdic Acid. ACS Applied Materials & Interfaces, 2021, 13, 23260-23267.	4.0	5
274	Time-Resolved Four-Wave Mixing Experiments in CuCl. Physica Status Solidi (B): Basic Research, 1990, 159, 101-106.	0.7	4
275	Ambipolar thin-film transistors with a co-planar channel geometry. Organic Electronics, 2010, 11, 1351-1356.	1.4	4
276	Indium tin oxide modified by titanium dioxide nanoparticles dispersed in poly(N-vinylpyrrolidone) for use as an electron-collecting layer in organic solar cells with an inverted structure. Journal of Materials Research, 2013, 28, 535-540.	1.2	4
277	Morphology of Organic Semiconductors Electrically Doped from Solution Using Phosphomolybdic Acid. Chemistry of Materials, 2019, 31, 6677-6683.	3.2	4
278	Effects of particle inclusions on cracking in ultrathin barrier films. Thin Solid Films, 2020, 714, 138387.	0.8	4
279	Organic photodetector with built-in amplification for the detection of visible light with low optical power. Organic Electronics, 2021, 90, 106064.	1.4	4
280	<title>Improved long-term stability of high-performance photorefractive polymer devices</title>. , 1996, , .		3
281	New stack system for records. Nature, 1996, 383, 481-481.	13.7	3
282	New advances in organic photorefractive material development. Proceedings of SPIE, 1997, 3144, 176.	0.8	3
283	Hybrid Sol-Gel Micro-Patterning of Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1998, 37, L1098-L1100.	0.8	3
284	Whispering-gallery-mode oscillation in a polymer microring laser. , 1998, 3281, 211.		3
285	Integrated organic photovoltaic modules. Proceedings of SPIE, 2007, , .	0.8	3
286	Time, intensity and energy dependence of four-wave mixing processes in CuCl. Journal of Luminescence, 1990, 46, 319-327.	1.5	2
287	Photorefractive Polymers and Their Applications. Molecular Crystals and Liquid Crystals, 1996, 283, 109-114.	0.3	2
288	<title>Novel techniques in fabricating more efficient and brighter organic electroluminescent devices</title>. , 1997, , .		2

#	ARTICLE	IF	CITATIONS
289	<title>Synthesis of high-T<math>\langle inf \rangle \langle roman \rangle g \langle /roman \rangle \langle /inf \rangle \langle /math> hole-transporting polymers with different redox potentials and their performance in organic two-layer LEDs</title>. , 1998, , .		2
290	Molecular self-assembly approaches to multilayer organic light-emitting-diode structures. , 1998, , .		2
291	Photorefractive polymers based on bis-triarylamine side-chain polymers. , 2003, 5216, 83.		2
292	Efficient photorefractive polymers sensitized by CdSe nanoparticles. , 2003, , .		2
293	Modeling of organic photovoltaic cells with large fill factor and high efficiency. , 2004, 5520, 110.		2
294	High performance organic field-effect transistors using high- ϵ dielectrics grown by atomic layer deposition (ALD). Proceedings of SPIE, 2007, , .	0.8	2
295	High performance polymer/BaTiO ₃ nanocomposites based on surface-modified metal oxide nanoparticles using functional phosphonic acids for electronic applications. Materials Research Society Symposia Proceedings, 2008, 1113, 1.	0.1	2
296	Linear and nonlinear optical properties of highly transmissive one-dimensional metal-organic photonic bandgap structures. , 2008, , .		2
297	Top-gate organic field-effect transistors fabricated on shape-memory polymer substrates. , 2015, , .		2
298	Impact of interface materials on side permeation in indirect encapsulation of organic electronics. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 033203.	0.9	2
299	Top-gate hybrid complementary inverters using pentacene and amorphous InGaZnO thin-film transistors with high operational stability. AIP Advances, 2012, 2, 012134.	0.6	2
300	Transient Grating Spectroscopy In CuCl. Proceedings of SPIE, 1989, , .	0.8	1
301	<title>High-performance PVK-based photorefractive polymers</title>. , 1995, , .		1
302	<title>Progress in organic photorefractive material development</title>. , 1998, 3471, 22.		1
303	Effects of insulating layers on the performance of organic electroluminescent devices. , 1998, 3281, 182.		1
304	Organic light-emitting diodes based on arylamine molecules and polymers with a fluorene core. , 2004, , .		1
305	Trapping mechanisms and dynamics in bis-triarylamine-based photorefractive polymer composites. , 2004, , .		1
306	Analysis of short-channel effects in organic field-effect transistors. , 2005, , .		1

#	ARTICLE	IF	CITATIONS
307	Fullerene Based n-type Organic Thin-Film Transistors. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	1
308	Colorless Molecular Dopants for Low-Operating-Voltage Nematic Liquid Crystals. Molecular Crystals and Liquid Crystals, 2005, 428, 17-32.	0.4	1
309	Switchable Diffractive Lens for Vision Correction. Optics and Photonics News, 2006, 17, 28.	0.4	1
310	Organic Photovoltaics. Optics and Photonics News, 2007, 18, 26.	0.4	1
311	Area-scaling of Organic Solar Cells and Integrated Modules. Materials Research Society Symposia Proceedings, 2009, 1212, 1.	0.1	1
312	The Ultrafast Nonlinear Optical Properties of Induced Transmission Filters. , 2011, , .		1
313	Nonlinear refraction measurements of thin films by the dual-arm Z-scan method. , 2013, , .		1
314	ORGANIC PHOTOVOLTAICS: PHYSICAL CONCEPTS BEHIND DEVICE OPERATION. Materials and Energy, 2016, , 115-157.	2.5	1
315	Variable Ratio Power Splitters using Computer-Generated Planar Holograms on 2Å–2 Multimode Interference Couplers. , 2009, , .		1
316	Enhanced Nonlinear Absorption in Low-Finesse Metal-Dielectric Fabry-Perot Resonators. , 2009, , .		1
317	Extraction of intrinsic contact resistance in organic thin-film transistors with single channel length and high capacitance density. Applied Physics Letters, 2021, 119, 263301.	1.5	1
318	Luminaire for Connected Lighting System with Spectrum that Mimics Natural Light. , 2022, , .		1
319	<title>Performance evaluation of a highly efficient photorefractive polymer</title>. , 1995, , .		0
320	Photorefractive polymers and applications. Macromolecular Symposia, 1997, 116, 143-146.	0.4	0
321	<title>Photorefractive polymer dispersed liquid crystals</title>. , 1998, 3297, 28.		0
322	High-gain photorefractive polymers. , 1998, 3281, 268.		0
323	Semiconducting conjugated polymers: light amplification and lasing. , 1998, 3281, 192.		0
324	<title>Hybrid bilayer organic light-emitting devices based on high Tg hole transport polymers</title>. , 1999, 3623, 20.		0

#	ARTICLE	IF	CITATIONS
325	<title>Photorefractive polymers with video-rate performance</title>. , 1999, , .		0
326	<title>4-ms response time in a photorefractive polymer</title>. , 1999, 3623, 168.		0
327	<title>Organic electroluminescent devices: aluminum alkali-halide composite cathode for enhanced device performance</title>. , 1999, , .		0
328	Optimization of photorefractive polymers doped with styrene-based chromophores. , 2001, , .		0
329	<title>Photo-crosslinkable polymers as hole transport materials for organic light-emitting diodes</title>. , 2002, 4642, 88.		0
330	Effect of aryl substitution on the hole mobility of bis-diarylamino-biphenyl-doped polymer composites. , 2002, , .		0
331	Colorless molecular dopants for low voltage operation of nematic liquid crystals. , 2002, 4799, 9.		0
332	Synthesis of Acrylate and Norbornene Polymers with Pendant 2,7-Bis(diarylamino)fluorene Hole-Transport Groups.. ChemInform, 2004, 35, no.	0.1	0
333	<title>Time-gated imaging through scattering media by using efficient THG in organic films</title>. , 2004, 5622, 439.		0
334	Thin-film fullerenes for organic field-effect transistors and complementary digital logic circuits. , 2005, 5940, 217.		0
335	Introduction: Special Section on OLEDs. Journal of the Society for Information Display, 2005, 13, 381.	0.8	0
336	High-efficiency switchable diffractive lens. , 2006, 6310, 112.		0
337	Molecular Multilayer Organic Solar Cells with Large Excitonic Diffusion Length. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
338	Fabrication and Characterization of SiOx/Parylene and SiNx/Parylene Thin Film Encapsulation Layers. , 2007, , 933.		0
339	Ultrafast optical image processing through non-collinear third-harmonic generation in thin organic films. , 2007, , PDP_A6.		0
340	Organic Photovoltaics. , 2007, , .		0
341	Aperiodic metal-dielectric optical filters. Proceedings of SPIE, 2007, , .	0.8	0
342	Highly-efficient green phosphorescent organic light-emitting diodes with hybrid device geometry. Proceedings of SPIE, 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
343	Third-harmonic generation in organic thin films as an alternative to degenerate four-wave mixing ultrafast optical image processing. , 2008, , .		0
344	Nonlinear refraction and absorption in highly transmissive one-dimensional metal-organic photonic bandgap structures. , 2008, , .		0
345	The nonlinear optical response of transparent metal-dielectric multilayer structures. , 2009, , .		0
346	Origin of the Open-Circuit Voltage in Organic Solar Cells. Optics and Photonics News, 2009, 20, 33.	0.4	0
347	The nonlinear optical response of transparent silver/gold multi-metal layers. , 2010, , .		0
348	A comprehensive study of the contributions to the nonlinear optical properties of thin Ag films. , 2010, , .		0
349	Optics in Energy: the power of optical solutions. Optics Express, 2010, 18, A1.	1.7	0
350	Focus Issue: Thin-Film Photovoltaic Materials and Devices. Optics Express, 2010, 18, A487.	1.7	0
351	The future of plastic optoelectronics. , 2011, , .		0
352	Recent advances in printable OLED materials and devices. , 2012, , .		0
353	Noble metal nonlinear optical mirrors with adjustable spectral and angular bandwidths for all-optical controls at visible wavelengths. , 2013, , .		0
354	Organic field-effect transistor circuits with electrode interconnections using reverse stamping. Proceedings of SPIE, 2014, , .	0.8	0
355	Next generation organic light-emitting materials and devices (Presentation Recording). , 2015, , .		0
356	Recent advances in the science and engineering of organic light-emitting diodes (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222		0
357	In-Depth Spectroscopy and New Heights for Organic Solar Cells. Joule, 2019, 3, 2294-2296.	11.7	0
358	On the Characterization and Modeling of the Current Characteristics of Organic Photodiodes. , 2019, , .		0
359	A New Assessment of the Performance of Low-noise Organic Photodetectors. , 2021, , .		0
360	Nonlinear Optical Properties of Layered Multi-Metal Nanostructures. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
361	Organic semiconductors for photovoltaic and light-emitting devices: status and promise. , 2010, , .		0
362	Polymeric Ambipolar Hosts for Large Area Phosphorescent Light-Emitting Diodes. , 2010, , .		0
363	Efficient green and blue electrophosphorescent light-emitting diodes using a combination of solution- and vacuum-processed materials. , 2011, , .		0
364	Nonlinear Characterization of Thin Films by the Dual-Arm Z-scan Method. , 2013, , .		0
365	Balancing aging mechanisms in organic field-effect transistors. , 2019, , .		0