

Emil J W List-Kratochvil

List of Publications by Year in descending order

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262
papers

11,361
citations

41323

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268
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docs citations

268
times ranked

10517
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconducting Polyfluorenes Towards Reliable Structure-Property Relationships. <i>Advanced Materials</i> , 2002, 14, 477-487.	11.1	1,604
2	The Effect of Keto Defect Sites on the Emission Properties of Polyfluorene-Type Materials. <i>Advanced Materials</i> , 2002, 14, 374.	11.1	681
3	Polyfluorenes with Polyphenylene Dendron Side Chains: Toward Non-Aggregating, Light-Emitting Polymers. <i>Journal of the American Chemical Society</i> , 2001, 123, 946-953.	6.6	617
4	Efficient white light-emitting diodes realized with new processable blends of conjugated polymers. <i>Applied Physics Letters</i> , 1997, 71, 2883-2885.	1.5	305
5	Direct Inkjet Printing of Ag-Cu Nanoparticle and Ag Precursor Based Electrodes for OFET Applications. <i>Advanced Functional Materials</i> , 2007, 17, 3111-3118.	7.8	281
6	The Origin of Green Emission in Polyfluorene-Based Conjugated Polymers: On-Chain Defect Fluorescence. <i>Advanced Functional Materials</i> , 2003, 13, 597-601.	7.8	255
7	Ladder-Type Pentaphenylenes and Their Polymers: Efficient Blue-Light Emitters and Electron-Accepting Materials via a Common Intermediate. <i>Journal of the American Chemical Society</i> , 2004, 126, 6987-6995.	6.6	228
8	Excimers or Emissive On-Chain Defects?. <i>Macromolecules</i> , 2003, 36, 4236-4237.	2.2	217
9	Polyfluorenes with Dendron Side Chains as the Active Materials for Polymer Light-Emitting Devices. <i>Advanced Materials</i> , 2002, 14, 1061.	11.1	194
10	Green emission from poly(fluorene)s: The role of oxidation. <i>Journal of Chemical Physics</i> , 2002, 117, 6794-6802.	1.2	190
11	Inkjet-Printed Nanocrystal Photodetectors Operating up to 3 μm Wavelengths. <i>Advanced Materials</i> , 2007, 19, 3574-3578.	11.1	180
12	Organic plasmon-emitting diode. <i>Nature Photonics</i> , 2008, 2, 684-687.	15.6	178
13	Phosphorescent Organic Light-Emitting Devices: Working Principle and Iridium Based Emitter Materials. <i>International Journal of Molecular Sciences</i> , 2008, 9, 1527-1547.	1.8	163
14	Poly(tetraarylidene fluorene)s: A New Stable Blue-Emitting Polymers. <i>Macromolecules</i> , 2003, 36, 8240-8245.	2.2	162
15	Direct determination of monolayer MoS ₂ and WSe ₂ exciton binding energies on insulating and metallic substrates. <i>2D Materials</i> , 2018, 5, 025003.	2.0	142
16	Designed Suppression of Aggregation in Polypyrene: Toward High-Performance Blue-Light-Emitting Diodes. <i>Advanced Materials</i> , 2010, 22, 990-993.	11.1	138
17	Direct Observation of Ultrafast Field-Induced Charge Generation in Ladder-Type Poly(Para-Phenylene). <i>Physical Review Letters</i> , 1998, 81, 3259-3262.	2.9	137
18	Excitation energy migration in highly emissive semiconducting polymers. <i>Chemical Physics Letters</i> , 2000, 325, 132-138.	1.2	133

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19	Optimisation of polyfluorenes for light emitting applications. <i>Synthetic Metals</i> , 2001, 125, 73-80.	2.1	131
20	Efficient red- and orange-light-emitting diodes realized by excitation energy transfer from blue-light-emitting conjugated polymers. <i>Physical Review B</i> , 1997, 56, 4479-4483.	1.1	127
21	Interaction of singlet excitons with polarons in wide band-gap organic semiconductors: A quantitative study. <i>Physical Review B</i> , 2001, 64, .	1.1	117
22	Breakdown of the mirror image symmetry in the optical absorption/emission spectra of oligo(para-phenylene)s. <i>Journal of Chemical Physics</i> , 2005, 122, 054501.	1.2	117
23	Organic Light-Emitting Devices Fabricated from Semiconducting Nanospheres. <i>Advanced Materials</i> , 2003, 15, 800-804.	11.1	115
24	Core, Shell, and Surface-Optimized Dendrimers for Blue Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2011, 133, 1301-1303.	6.6	111
25	Inkjet printed surface cell light-emitting devices from a water-based polymer dispersion. <i>Organic Electronics</i> , 2008, 9, 164-170.	1.4	107
26	Intrinsic Room-Temperature Electrophosphorescence from α -Conjugated Polymer. <i>Physical Review Letters</i> , 2002, 89, 167401.	2.9	103
27	A Direct Route Towards Polymer/Copper Indium Sulfide Nanocomposite Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 1046-1050.	10.2	102
28	Polytriphenylene Dendrimers: A Unique Design for Blue-Light-Emitting Materials. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8292-8296.	7.2	100
29	Electrolyte-Gated Organic Field-Effect Transistor for Selective Reversible Ion Detection. <i>Advanced Materials</i> , 2013, 25, 6895-6899.	11.1	100
30	Imprinted Conjugated Polymer Laser. <i>Advanced Materials</i> , 2003, 15, 1165-1167.	11.1	92
31	A Fully Aryl-Substituted Poly(ladder-type pentaphenylene): A Remarkably Stable Blue-Light-Emitting Polymer. <i>Macromolecules</i> , 2005, 38, 9933-9938.	2.2	92
32	Efficient Blue-Light-Emitting Polymer Heterostructure Devices: The Fabrication of Multilayer Structures from Orthogonal Solvents. <i>Advanced Materials</i> , 2010, 22, 2087-2091.	11.1	92
33	Organic Non-Volatile Resistive Photo-Switches for Flexible Image Detector Arrays. <i>Advanced Materials</i> , 2015, 27, 1048-1052.	11.1	88
34	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1638.	2.7	77
35	Blue-Emitting Carbon- and Nitrogen-Bridged Poly(ladder-type tetraphenylene)s. <i>Chemistry of Materials</i> , 2006, 18, 2879-2885.	3.2	72
36	Advances in Inkjet-Printed Metal Halide Perovskite Photovoltaic and Optoelectronic Devices. <i>Energy Technology</i> , 2020, 8, 1900991.	1.8	71

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37	Emission properties of pristine and oxidatively degraded polyfluorene type polymers. <i>Physica Status Solidi A</i> , 2004, 201, 1132-1151.	1.7	70
38	Efficient full-colour electroluminescence and stimulated emission with polyphenylenes. <i>Synthetic Metals</i> , 1997, 91, 41-47.	2.1	66
39	The Influence of the Phase Morphology on the Optoelectronic Properties of Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2004, 14, 441-450.	7.8	63
40	Metal particle-free inks for printed flexible electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15098-15117.	2.7	62
41	8-Quinolinolates as Ligands for Luminescent Cyclometalated Iridium Complexes. <i>Chemistry of Materials</i> , 2007, 19, 1209-1211.	3.2	58
42	Photovoltaic properties of thin film heterojunctions with cupric oxide absorber. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	0.8	58
43	Poly(2,7-phenanthrylene)s and Poly(3,6-phenanthrylene)s as Polyphenylene and Poly(phenylenevinylene) Analogues. <i>Macromolecules</i> , 2006, 39, 5213-5221.	2.2	55
44	Localized triplet excitations and the effect of photo-oxidation in ladder-type poly(p-phenylene) and oligo(p-phenylene). <i>Physical Review B</i> , 2000, 61, 10807-10814.	1.1	54
45	Ketonic Defects in Ladder-type Poly(p-phenylene)s. <i>Chemistry of Materials</i> , 2004, 16, 4667-4674.	3.2	53
46	Unravelling the Nature of Unipolar Resistance Switching in Organic Devices by Utilizing the Photovoltaic Effect. <i>Advanced Materials</i> , 2014, 26, 2508-2513.	11.1	53
47	Direct evidence for singlet-triplet exciton annihilation in π -conjugated polymers. <i>Physical Review B</i> , 2002, 66, .	1.1	50
48	Variable tunneling barriers in FEBID based PtC metal-matrix nanocomposites as a transducing element for humidity sensing. <i>Nanotechnology</i> , 2013, 24, 305501.	1.3	50
49	Bright Blue Solution Processed Triple-layer Polymer Light-Emitting Diodes Realized by Thermal Layer Stabilization and Orthogonal Solvents. <i>Advanced Functional Materials</i> , 2013, 23, 4897-4905.	7.8	50
50	Inkjet-printed embedded Ag-PEDOT:PSS electrodes with improved light out coupling effects for highly efficient ITO-free blue polymer light emitting diodes. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	48
51	Optically written solid-state lasers with broadly tunable mode emission based on improved poly(2,5-dialkoxy-phenylene-vinylene). <i>Applied Physics Letters</i> , 2002, 80, 716-718.	1.5	45
52	Low-onset organic blue light emitting devices obtained by better interface control. <i>Applied Physics Letters</i> , 1999, 74, 2909-2911.	1.5	44
53	Highly Efficient Color-stable Deep-blue Multilayer PLEDs: Preventing PEDOT:PSS-induced Interface Degradation. <i>Advanced Materials</i> , 2013, 25, 4420-4424.	11.1	43
54	Nanocrystalline Ga ₂ O ₃ films deposited by spray pyrolysis from water-based solutions on glass and TCO substrates. <i>Journal of Materials Chemistry C</i> , 2019, 7, 69-77.	2.7	43

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55	Organic field-effect transistor based sensors with sensitive gate dielectrics used for low-concentration ammonia detection. <i>Organic Electronics</i> , 2013, 14, 500-504.	1.4	41
56	Efficient single-layer yellow-light emitting-diodes with ladder-type poly(p-phenylene)/poly(decyl-thiophene) blends. <i>Solid State Communications</i> , 1999, 109, 455-459.	0.9	39
57	WPLEDs prepared from main-chain fluorene-iridium(iii) polymers. <i>Journal of Materials Chemistry</i> , 2006, 16, 4389-4392.	6.7	39
58	Printing functional nanostructures: a novel route towards nanostructuring of organic electronic devices via soft embossing, inkjet printing and colloidal self assembly of semiconducting polymer nanospheres. <i>Soft Matter</i> , 2008, 4, 2448.	1.2	39
59	Surface plasmon coupled electroluminescent emission. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	39
60	Progress towards stable blue light-emitting polymers. <i>Current Applied Physics</i> , 2004, 4, 339-342.	1.1	38
61	The role of keto defect sites for the emission properties of polyfluorene-type materials. <i>Synthetic Metals</i> , 2003, 139, 759-763.	2.1	37
62	Micromolding in capillaries and microtransfer printing of silver nanoparticles as soft-lithographic approach for the fabrication of source/drain electrodes in organic field-effect transistors. <i>Organic Electronics</i> , 2007, 8, 389-395.	1.4	37
63	Simultaneous extraction of charge density dependent mobility and variable contact resistance from thin film transistors. <i>Applied Physics Letters</i> , 2014, 104, 193501.	1.5	37
64	Tetraaryl pyrenes: photophysical properties, computational studies, crystal structures, and application in OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3041-3058.	2.7	37
65	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	36
66	Integrated catheter system for continuous glucose measurement and simultaneous insulin infusion. <i>Biosensors and Bioelectronics</i> , 2015, 64, 102-110.	5.3	36
67	Organoiridium Quinolinolate Complexes: Synthesis, Structures, Thermal Stabilities and Photophysical Properties. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4207-4215.	1.0	35
68	Inkjet printed polymer light-emitting devices fabricated by thermal embedding of semiconducting polymer nanospheres in an inert matrix. <i>Applied Physics Letters</i> , 2008, 92, 183305.	1.5	35
69	Photophysics of excitation energy transfer in highly fluorescent polymers. <i>Chemical Physics</i> , 1998, 227, 99-109.	0.9	34
70	Polymer interlayers on flexible PET substrates enabling ultra-high performance, ITO-free dielectric/metal/dielectric transparent electrode. <i>Materials and Design</i> , 2019, 168, 107663.	3.3	33
71	Finally, inkjet-printed metal halide perovskite LEDs utilizing seed crystal templating of salty PEDOT:PSS. <i>Materials Horizons</i> , 2020, 7, 1773-1781.	6.4	33
72	Ultrafast energy-transfer dynamics in a blend of electroluminescent conjugated polymers. <i>Chemical Physics Letters</i> , 1998, 288, 561-566.	1.2	32

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73	Charged defects in highly emissive organic wide-band-gap semiconductors. Applied Physics Letters, 2000, 76, 2083-2085.	1.5	32
74	Molecular Triangles: Synthesis, Self-Assembly, and Blue Emission of Cyclo[7,10]tris-triphenylenyl Macrocycles. Chemistry - an Asian Journal, 2011, 6, 3001-3010.	1.7	32
75	An Organic Borate Salt with Superior p -Doping Capability for Organic Semiconductors. Advanced Science, 2020, 7, 2001322.	5.6	32
76	A planar waveguide optical sensor employing simple light coupling. Analyst, The, 2009, 134, 1544.	1.7	31
77	Printed Copper Nanoparticle Metal Grids for Cost-Effective ITO-Free Solution Processed Solar Cells. Solar Rrl, 2018, 2, 1700192.	3.1	31
78	2D-MoS ₂ goes 3D: transferring optoelectronic properties of 2D MoS ₂ to a large-area thin film. Npj 2D Materials and Applications, 2021, 5, .	3.9	31
79	Multidiffractive Broadband Plasmonic Absorber. Advanced Optical Materials, 2016, 4, 435-443.	3.6	30
80	Excited-State Charge Transfer Enabling MoS ₂ /Phthalocyanine Photodetectors with Extended Spectral Sensitivity. Journal of Physical Chemistry C, 2020, 124, 2837-2843.	1.5	30
81	Tuning the mechanical flexibility of organic molecular crystals by polymorphism for flexible optical waveguides. CrystEngComm, 2021, 23, 5815-5825.	1.3	30
82	Defect chemistry of polyfluorenes: identification of the origin of interface defects in polyfluorene based light-emitting devices. Chemical Communications, 2008, , 5170.	2.2	29
83	Optimized Synthesis of Solution-Processable Crystalline Poly(Triazine Imide) with Minimized Defects for OLED Application. Angewandte Chemie - International Edition, 2022, 61, e202111749.	7.2	29
84	Identification of Emissive Interface-Related Defects in Polyfluorene-Based Light Emitting Devices. Japanese Journal of Applied Physics, 2004, 43, L891-L893.	0.8	28
85	Comparison of thermal and electrical degradation effects in polyfluorenes. Synthetic Metals, 2003, 139, 855-858.	2.1	27
86	Long lived photoexcitation dynamics in a dendronically substituted poly(fluorene). Journal of Chemical Physics, 2003, 119, 6904-6910.	1.2	27
87	Properties of transparent and conductive Al:ZnO/Au/Al:ZnO multilayers on flexible PET substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 200, 84-92.	1.7	27
88	Truly Low Temperature Sintering of Printed Copper Ink Using Formic Acid. Advanced Materials Technologies, 2018, 3, 1800146.	3.0	27
89	Dynamic Photoswitching of Electron Energy Levels at Hybrid ZnO/Organic Photochromic Molecule Junctions. Advanced Functional Materials, 2018, 28, 1800716.	7.8	26
90	A heterotriangulene polymer for air-stable organic field-effect transistors. Polymer Chemistry, 2013, 4, 5337.	1.9	25

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91	Relationship between mechanical damage and electrical degradation in polymer-supported metal films subjected to cyclic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 662, 157-161.	2.6	25
92	Monotonic and cyclic mechanical reliability of metallization lines on polymer substrates. <i>Journal of Materials Research</i> , 2017, 32, 1760-1769.	1.2	25
93	Thermally Activated Gold-Mediated Transition Metal Dichalcogenide Exfoliation and a Unique Gold-Mediated Transfer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000408.	1.2	25
94	The Schottky-Mott Rule Expanded for Two-Dimensional Semiconductors: Influence of Substrate Dielectric Screening. <i>ACS Nano</i> , 2021, 15, 14794-14803.	7.3	25
95	Efficient color tuning (blue, red-orange, white) of light emitting diodes by excitation energy transfer. <i>Optical Materials</i> , 1998, 9, 183-187.	1.7	24
96	Metal sulfide-polymer nanocomposite thin films prepared by a direct formation route for photovoltaic applications. <i>Thin Solid Films</i> , 2011, 519, 4201-4206.	0.8	24
97	The effect of bending loading conditions on the reliability of inkjet printed and evaporated silver metallization on polymer substrates. <i>Microelectronics Reliability</i> , 2016, 56, 109-113.	0.9	24
98	Molecular Origin of the Temperature-Dependent Energy Migration in a Rigid-Rod Ladder-Phenylene Molecular Host. <i>Advanced Materials</i> , 2006, 18, 310-314.	11.1	23
99	Intrinsic electrochemical doping in blue light emitting polymer devices utilizing a water soluble anionic conjugated polymer. <i>Organic Electronics</i> , 2007, 8, 791-795.	1.4	23
100	Deep blue polymer light emitting diodes based on easy to synthesize, non-aggregating polypyrene. <i>Optics Express</i> , 2011, 19, A1281.	1.7	23
101	Comprehensive photophysical studies of polyfluorenes containing on-chain emissive defects. <i>Physical Review B</i> , 2005, 72, .	1.1	22
102	High performance indium tin oxide-free solution-processed organic light emitting diodes based on inkjet-printed fine silver grid lines. <i>Flexible and Printed Electronics</i> , 2016, 1, 035004.	1.5	22
103	All-solution-processed multilayer polymer/dendrimer light emitting diodes. <i>Organic Electronics</i> , 2016, 35, 164-170.	1.4	22
104	Versatile and Scalable Strategy To Grow Sol-Gel Derived 2H-MoS ₂ Thin Films with Superior Electronic Properties: A Memristive Case. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34392-34400.	4.0	22
105	Photophysics of poly(fluorenes) with dendronic side chains. <i>Synthetic Metals</i> , 2003, 139, 847-849.	2.1	21
106	A novel concept for humidity compensated sub-ppm ammonia detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 181-184.	4.0	21
107	An investigation on focused electron/ion beam induced degradation mechanisms of conjugated polymers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20235.	1.3	21
108	ITO-free OLEDs utilizing inkjet-printed and low temperature plasma-sintered Ag electrodes. <i>Flexible and Printed Electronics</i> , 2021, 6, 015009.	1.5	21

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109	The Effect of Protonation on the Optical Properties of Conjugated Fluorene-Pyridine Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2122-2134.	1.1	20
110	Optically Active Chemical Defects in Polyfluorene-Type Polymers and Devices. <i>Advances in Polymer Science</i> , 2008, , 273-292.	0.4	20
111	Hydrogen ion-selective electrolyte-gated organic field-effect transistor for pH sensing. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	20
112	Dynamically Switching the Electronic and Electrostatic Properties of Indium-Tin Oxide Electrodes with Photochromic Monolayers: Toward Photoswitchable Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 1102-1110.	2.4	20
113	Design and Development of Oleoresins Rich in Carotenoids Coated Microbeads. <i>Coatings</i> , 2019, 9, 235.	1.2	20
114	One-pot synthesis of a stable and cost-effective silver particle-free ink for inkjet-printed flexible electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16443-16451.	2.7	20
115	White Light Emission from a Polymer-Macromolecule Blend System Due to Energy and Charge Transfer. <i>Japanese Journal of Applied Physics</i> , 2000, 39, L760-L762.	0.8	19
116	Dynamics of higher photoexcited states in m-LPPP probed with sub-20 fs time resolution. <i>Chemical Physics Letters</i> , 2004, 384, 251-255.	1.2	19
117	SensLED: An Electro-Optical Active Probe for Oxygen Determination. <i>Advanced Materials</i> , 2009, 21, 3483-3487.	11.1	19
118	Core-and-Surface-Functionalized Polyphenylene Dendrimers for Solution-Processed, Pure-Blue Light-Emitting Diodes Through Surface-to-Core Energy Transfer. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1931-1936.	2.0	19
119	A silver inkjet printed ferrite NFC antenna. , 2014, , .		19
120	Inkjet-Printed Resistive Switching Memory Based on Organic Dielectric Materials: From Single Elements to Array Technology. <i>Advanced Electronic Materials</i> , 2015, 1, 1400003.	2.6	19
121	Chemical Analysis of the Interface in Bulk-Heterojunction Solar Cells by X-ray Photoelectron Spectroscopy Depth Profiling. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3842-3848.	4.0	19
122	Type-I Energy Level Alignment at the PTCDA-Monolayer MoS ₂ Interface Promotes Resonance Energy Transfer and Luminescence Enhancement. <i>Advanced Science</i> , 2021, 8, 2100215.	5.6	19
123	The influence of keto defects on photoexcitation dynamics in polyfluorene. <i>Synthetic Metals</i> , 2003, 139, 851-854.	2.1	18
124	Solution Processed Conjugated Polymer Multilayer Structures for Light Emitting Devices. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 479-484.	0.8	18
125	Implementing Inkjet-Printed Transparent Conductive Electrodes in Solution-Processed Organic Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800474.	3.0	18
126	Size Effects of the Anions in the Ionothermal Synthesis of Carbon Nitride Materials. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	18

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127	Self-absorption effects in a LEC with low Stokes shift. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 1251-1254.	1.3	17
128	Excited-state localization effects in alternating meta- and para-linked poly(phenylene-vinylene)s. <i>Chemical Physics</i> , 2004, 297, 143-151.	0.9	17
129	The photophysics of organic semiconducting nanospheres: a comprehensive study. <i>Chemical Physics Letters</i> , 2004, 389, 7-13.	1.2	17
130	Structural and Electronic Properties of the First Monolayers of Spin-Cast Poly(fluorene)-Based Conjugated- Polymer Films. <i>Advanced Functional Materials</i> , 2007, 17, 1093-1105.	7.8	16
131	Bis(tercarbazole) pyrene and tetrahydropyrene derivatives: photophysical and electrochemical properties, theoretical modeling, and OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5009-5018.	2.7	16
132	Efficient single layer yellow light emitting diodes made of a blend of a ladder-type poly(p-phenylene) and polyalkylthiophene. <i>Optical Materials</i> , 1999, 12, 311-314.	1.7	14
133	Excitation energy migration assisted processes in conjugated polymers. <i>Synthetic Metals</i> , 2004, 141, 211-218.	2.1	14
134	Materials for polymer electronics applications— semiconducting polymer thin films and nanoparticles. <i>Macromolecular Symposia</i> , 2004, 212, 83-92.	0.4	14
135	The Influence of UV Irradiation on Ketonic Defect Emission in Fluorene-Based Copolymers. <i>Advanced Functional Materials</i> , 2008, 18, 2480-2488.	7.8	14
136	Blue Light Emitting Polyphenylene Dendrimers with Bipolar Charge Transport Moieties. <i>Molecules</i> , 2016, 21, 1400.	1.7	14
137	Pulsed thermal deposition of binary and ternary transition metal dichalcogenide monolayers and heterostructures. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	14
138	Gentle plasma process for embedded silver-nanowire flexible transparent electrodes on temperature-sensitive polymer substrates. <i>Nanotechnology</i> , 2020, 31, 365303.	1.3	14
139	Modulating the luminance of organic light-emitting diodes <i>via</i> optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , 2020, 12, 5444-5451.	2.8	14
140	Comparing low-temperature thermal and plasma sintering processes of a tailored silver particle-free ink. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6312-6322.	1.1	14
141	Conduction mechanisms in epitaxial NiO/Graphene gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128797.	4.0	14
142	Kinetics of singlet and triplet excitons in a wide-band-gap copolymer. <i>Physical Review B</i> , 2000, 61, 1859-1865.	1.1	13
143	Elimination of defect-induced color instabilities in polymer light-emitting devices. <i>Journal of Applied Physics</i> , 2005, 97, 063508.	1.1	13
144	Synthesis and Photophysical Properties of 3,6-Diphenyl-9-hexyl-9H-carbazole Derivatives Bearing Electron Withdrawing Groups. <i>Monatshefte für Chemie</i> , 2008, 139, 223-231.	0.9	13

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145	Effect of thermal annealing in vacuum on the photovoltaic properties of electrodeposited Cu ₂ O-absorber solar cell. EPJ Photovoltaics, 2014, 5, 50301.	0.8	13
146	Switching the Electronic Properties of ZnO Surfaces with Negative Type Photochromic Pyridylâ€dihydropyrene Layers and Impact of Fermi Level Pinning. Advanced Materials Interfaces, 2019, 6, 1900211.	1.9	13
147	High performance organic light-emitting diodes employing ITO-free and flexible TiO _x /Ag/Al:ZnO electrodes. RSC Advances, 2021, 11, 17324-17331.	1.7	13
148	Gas flow-assisted vacuum drying: identification of a novel process for attaining high-quality perovskite films. Materials Advances, 2021, 2, 5365-5370.	2.6	13
149	Using Combinatorial Inkjet Printing for Synthesis and Deposition of Metal Halide Perovskites in Wavelengthâ€selective Photodetectors. Advanced Engineering Materials, 2022, 24, 2101111.	1.6	13
150	Ion beam degradation analysis of poly(3-hexylthiophene) (P3HT): can cryo-FIB minimize irradiation damage?. Physical Chemistry Chemical Physics, 2009, 11, 5130.	1.3	12
151	Influence of the bridging atom in fluorene analogue lowâ€bandgap polymers on photophysical and morphological properties of copper indium sulfide/polymer nanocomposite solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1400-1410.	2.4	12
152	Role of Hybrid Charge Transfer States in the Charge Generation at ZnMgO/P3HT Heterojunctions. Journal of Physical Chemistry C, 2017, 121, 21955-21961.	1.5	12
153	Up-scalable ITO-free organic light emitting diodes based on embedded inkjet-printed copper grids. Flexible and Printed Electronics, 2019, 4, 025004.	1.5	12
154	Combinatorial inkjet printing for compositional tuning of metal-halide perovskite thin films. Journal of Materials Chemistry A, 2022, 10, 4906-4914.	5.2	12
155	<title>Optoelectronic devices made from multilayer and molecularly doped organic layers</title>., 1999, , .		11
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