

Anna Kähler

List of Publications by Year in descending order

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180
papers

13,133
citations

25034

57
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25787

108
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190
all docs

190
docs citations

190
times ranked

12617
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of interchain interactions on the absorption and emission of poly(3-hexylthiophene). Physical Review B, 2003, 67, .	3.2	830
2	The Energy Gap Law for Triplet States in Pt-Containing Conjugated Polymers and Monomers. Journal of the American Chemical Society, 2001, 123, 9412-9417.	13.7	474
3	Spin-dependent exciton formation in π -conjugated compounds. Nature, 2001, 413, 828-831.	27.8	472
4	Iodine Migration and its Effect on Hysteresis in Perovskite Solar Cells. Advanced Materials, 2016, 28, 2446-2454.	21.0	449
5	Triplet states in organic semiconductors. Materials Science and Engineering Reports, 2009, 66, 71-109.	31.8	448
6	Fluorescence and Phosphorescence in Organic Materials. Advanced Materials, 2002, 14, 701.	21.0	368
7	Large magnetoresistance in nonmagnetic π -conjugated semiconductor thin film devices. Physical Review B, 2005, 72, .	3.2	350
8	Charge separation in localized and delocalized electronic states in polymeric semiconductors. Nature, 1998, 392, 903-906.	27.8	321
9	Solution-Processible Conjugated Electrophosphorescent Polymers. Journal of the American Chemical Society, 2004, 126, 7041-7048.	13.7	285
10	Evolution of lowest singlet and triplet excited states with number of thienyl rings in platinum polyynes. Journal of Chemical Physics, 1999, 110, 4963-4970.	3.0	246
11	The Singlet-Triplet Exchange Energy in Conjugated Polymers. Advanced Functional Materials, 2004, 14, 11-18.	14.9	229
12	Triplet Energy Back Transfer in Conjugated Polymers with Pendant Phosphorescent Iridium Complexes. Journal of the American Chemical Society, 2006, 128, 6647-6656.	13.7	226
13	Morphology-dependent energy transfer within polyfluorene thin films. Physical Review B, 2004, 69, .	3.2	218
14	Control of aggregate formation in poly(3-hexylthiophene) by solvent, molecular weight, and synthetic method. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 442-453.	2.1	209
15	A Deep Blue B,N-Doped Heptacene Emitter That Shows Both Thermally Activated Delayed Fluorescence and Delayed Fluorescence by Triplet-Triplet Annihilation. Journal of the American Chemical Society, 2020, 142, 6588-6599.	13.7	189
16	Synthesis and Electronic Structure of Platinum-Containing Polyynes with Aromatic and Heteroaromatic Rings. Macromolecules, 1998, 31, 722-727.	4.8	188
17	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. Advanced Optical Materials, 2020, 8, 1901627.	7.3	182
18	Synthesis, Electrochemistry, and Spectroscopy of Blue Platinum(II) Polyynes and Diynes. Angewandte Chemie - International Edition, 1998, 37, 3036-3039.	13.8	181

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19	Charge Transport in Organic Semiconductors. Topics in Current Chemistry, 2011, 312, 1-65.	4.0	178
20	Spatial extent of the singlet and triplet excitons in transition metal- ϵ -containing poly-ynes. Journal of Chemical Physics, 1996, 105, 3868-3877.	3.0	177
21	Spin-Crossover Iron(II) Coordination Polymer with Fluorescent Properties: Correlation between Emission Properties and Spin State. Journal of the American Chemical Society, 2018, 140, 700-709.	13.7	169
22	Triplet states in a series of Pt-containing ethynylenes. Journal of Chemical Physics, 2000, 113, 7627-7634.	3.0	164
23	Why does the electrical conductivity in PEDOT:PSS decrease with PSS content? A study combining thermoelectric measurements with impedance spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 976-983.	2.1	162
24	Highly Fluorescent Crystalline and Liquid Crystalline Columnar Phases of Pyrene-Based Structures. Journal of Physical Chemistry B, 2006, 110, 7653-7659.	2.6	161
25	The singlet-triplet energy gap in organic and Pt-containing phenylene ethynylene polymers and monomers. Journal of Chemical Physics, 2002, 116, 9457-9463.	3.0	159
26	Temperature Induced Order-Disorder Transition in Solutions of Conjugated Polymers Probed by Optical Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 114-125.	4.6	153
27	Effect of Thermal and Structural Disorder on the Electronic Structure of Hybrid Perovskite Semiconductor $\text{CH}_3\text{NH}_3\text{PbI}_3$. Journal of Physical Chemistry Letters, 2016, 7, 3014-3021.	4.6	148
28	The role of PbI_2 in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite stability, solar cell parameters and device degradation. Physical Chemistry Chemical Physics, 2018, 20, 605-614.	2.8	135
29	Role of Structural Order and Excess Energy on Ultrafast Free Charge Generation in Hybrid Polythiophene/Si Photovoltaics Probed in Real Time by Near-Infrared Broadband Transient Absorption. Journal of the American Chemical Society, 2011, 133, 18220-18233.	13.7	130
30	An Order-Disorder Transition in the Conjugated Polymer MEH-PPV. Journal of the American Chemical Society, 2012, 134, 11594-11601.	13.7	123
31	“Hot or cold” how do charge transfer states at the donor-acceptor interface of an organic solar cell dissociate?. Physical Chemistry Chemical Physics, 2015, 17, 28451-28462.	2.8	113
32	What controls triplet exciton transfer in organic semiconductors?. Journal of Materials Chemistry, 2011, 21, 4003-4011.	6.7	107
33	Enhanced photocurrent response in photocells made with platinum-poly-yne/C60 blends by photoinduced electron transfer. Synthetic Metals, 1996, 77, 147-150.	3.9	101
34	Synthesis, characterisation and optical spectroscopy of platinum(ii) di-ynes and poly-ynes incorporating condensed aromatic spacers in the backbone. Dalton Transactions, 2004, , 2377-2385.	3.3	101
35	Synthesis, characterisation and optical spectroscopy of diynes and poly-ynes containing derivatised fluorenes in the backbone. Dalton Transactions, 2003, , 74-84.	3.3	100
36	Blue-to-green electrophosphorescence of iridium-based cyclometallated materials. Chemical Communications, 2005, , 4708.	4.1	98

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37	Low-energy vibrational modes in phenylene oligomers studied by THz time-domain spectroscopy. <i>Chemical Physics Letters</i> , 2003, 377, 256-262.	2.6	95
38	Morphology dependence of the triplet excited state formation and absorption in polyfluorene. <i>Physical Review B</i> , 2005, 71, .	3.2	90
39	What Determines Inhomogeneous Broadening of Electronic Transitions in Conjugated Polymers?. <i>Journal of Physical Chemistry B</i> , 2010, 114, 17037-17048.	2.6	90
40	Triazine Based Bipolar Host Materials for Blue Phosphorescent OLEDs. <i>Chemistry of Materials</i> , 2013, 25, 3758-3765.	6.7	88
41	Unified description for hopping transport in organic semiconductors including both energetic disorder and polaronic contributions. <i>Physical Review B</i> , 2013, 88, .	3.2	86
42	A series of CBP-derivatives as host materials for blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 2266-2273.	6.7	82
43	Role of the effective mass and interfacial dipoles on exciton dissociation in organic donor-acceptor solar cells. <i>Physical Review B</i> , 2013, 87, .	3.2	79
44	Photocurrent measurements on aggregates in ladder-type poly(p-phenylene). <i>Chemical Physics Letters</i> , 1995, 243, 456-461.	2.6	78
45	Structural characterisation of a series of acetylide-functionalised oligopyridines and the synthesis, characterisation and optical spectroscopy of platinum di-ynes and poly-ynes containing oligopyridyl linker groups in the backbone. <i>Dalton Transactions RSC</i> , 2002, , 1358-1368.	2.3	78
46	Does Conjugation Help Exciton Dissociation? A Study on Poly(p-phenylene)s in Planar Heterojunctions with C ₆₀ or TNF. <i>Advanced Materials</i> , 2012, 24, 922-925.	21.0	78
47	Spectroscopic Signature of Two Distinct H-Aggregate Species in Poly(3-hexylthiophene). <i>Macromolecules</i> , 2015, 48, 1543-1553.	4.8	78
48	Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2289-2300.	5.5	72
49	The photovoltaic effect in a platinum poly-yne. <i>Synthetic Metals</i> , 1994, 67, 245-249.	3.9	71
50	Electronic excitations in luminescent conjugated polymers. <i>Solid State Communications</i> , 1997, 102, 249-258.	1.9	69
51	Hole-transporting host-polymer series consisting of triphenylamine basic structures for phosphorescent polymer light-emitting diodes. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3417-3430.	2.3	69
52	Crosslinked Semiconductor Polymers for Photovoltaic Applications. <i>Advanced Energy Materials</i> , 2017, 7, 1700306.	19.5	64
53	Excimer Formation by Steric Twisting in Carbazole and Triphenylamine-Based Host Materials. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2380-2387.	3.1	63
54	Conjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends. <i>Advanced Energy Materials</i> , 2017, 7, 1700314.	19.5	63

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55	Triplet energy transfer in conjugated polymers. I. Experimental investigation of a weakly disordered compound. <i>Physical Review B</i> , 2008, 78, .	3.2	62
56	The red-phase of poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV): A disordered HJ-aggregate. <i>Journal of Chemical Physics</i> , 2013, 139, 114903.	3.0	58
57	Efficient Charge Separation of Cold Charge-Transfer States in Organic Solar Cells Through Incoherent Hopping. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2093-2098.	4.6	58
58	Controlling the π - π Stacking Behavior of Pyrene Derivatives: Influence of H-Bonding and Steric Effects in Different States of Aggregation. <i>ChemPhysChem</i> , 2013, 14, 1818-1829.	2.1	57
59	Monomolecular and Bimolecular Recombination of Electron-Hole Pairs at the Interface of a Bilayer Organic Solar Cell. <i>Advanced Functional Materials</i> , 2017, 27, 1604906.	14.9	57
60	How to interpret absorption and fluorescence spectra of charge transfer states in an organic solar cell. <i>Materials Horizons</i> , 2018, 5, 837-848.	12.2	57
61	Triplet Excimer Emission in a Series of 4,4'-Bis(<i>N</i> -carbazolyl)-2,2'-biphenyl Derivatives. <i>Journal of Physical Chemistry B</i> , 2011, 115, 414-421.	2.6	56
62	The Impact of Polydispersity and Molecular Weight on the Order-Disorder Transition in Poly(3-hexylthiophene). <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2742-2747.	4.6	54
63	Impact of excess PbI_2 on the structure and the temperature dependent optical properties of methylammonium lead iodide perovskites. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7512-7519.	5.5	54
64	Electronic Processes of Conjugated Polymers in Semiconductor Device Structures. <i>Synthetic Metals</i> , 1997, 84, 463-470.	3.9	52
65	The Impact of Driving Force and Temperature on the Electron Transfer in Donor-Acceptor Blend Systems. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22739-22752.	3.1	52
66	Impact of Structural Dynamics on the Optical Properties of Methylammonium Lead Iodide Perovskites. <i>Advanced Energy Materials</i> , 2017, 7, 1700286.	19.5	52
67	What is the Binding Energy of a Charge Transfer State in an Organic Solar Cell?. <i>Advanced Energy Materials</i> , 2019, 9, 1900814.	19.5	52
68	Synthesis and characterisation of new acetylide-functionalised aromatic and hetero-aromatic ligands and their dinuclear platinum complexes. <i>Dalton Transactions</i> , 2003, , 65-73.	3.3	51
69	Synthesis, characterisation and electronic properties of a series of platinum(ii) poly-yne containing novel thienyl-pyridine linker groups. <i>Dalton Transactions RSC</i> , 2002, , 2441-2448.	2.3	50
70	How Do Disorder, Reorganization, and Localization Influence the Hole Mobility in Conjugated Copolymers?. <i>Journal of the American Chemical Society</i> , 2013, 135, 1772-1782.	18.7	50
71	Synthesis and optical characterisation of platinum(ii) poly-yne polymers incorporating substituted 1,4-diethynylbenzene derivatives and an investigation of the intermolecular interactions in the diethynylbenzene molecular precursors. Electronic supplementary information (ESI) available: atomic coordinates for 6 and 7. See http://www.rsc.org/suppdata/nj/b2/b206946f/ . <i>New Journal of Chemistry</i> , 2003, 27, 140-149.	2.8	49
72	A Combined Theoretical and Experimental Study of Dissociation of Charge Transfer States at the Donor-Acceptor Interface of Organic Solar Cells. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10359-10371.	2.6	48

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73	Diindolocarbazole "achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units. <i>Materials Horizons</i> , 2022, 9, 1068-1080.	12.2	48
74	High Versatility and Stability of Mechanochemically Synthesized Halide Perovskite Powders for Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30259-30268.	8.0	47
75	How do Triplets and Charges Move in Disordered Organic Semiconductors? A Monte Carlo Study Comprising the Equilibrium and Nonequilibrium Regime. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16371-16383.	3.1	45
76	Spectral diffusion in poly(<i>para</i> -phenylene)-type polymers with different energetic disorder. <i>Physical Review B</i> , 2010, 81, .	3.2	44
77	Interplay between hopping and band transport in high-mobility disordered semiconductors at large carrier concentrations: The case of the amorphous oxide InGaZnO. <i>Physical Review B</i> , 2016, 93, .	3.2	43
78	Direct observation of backbone planarization via side-chain alignment in single bulky-substituted polythiophenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2699-2704.	7.1	42
79	Phosphorescence and spin-dependent exciton formation in conjugated polymers. <i>Organic Electronics</i> , 2003, 4, 179-189.	2.6	41
80	Triplet energy transfer in conjugated polymers. II. A polaron theory description addressing the influence of disorder. <i>Physical Review B</i> , 2008, 78, .	3.2	41
81	To Hop or Not to Hop? Understanding the Temperature Dependence of Spectral Diffusion in Organic Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1694-1700.	4.6	41
82	Revealing structure formation in PCPDTBT by optical spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1416-1430.	2.1	41
83	Disorder vs Delocalization: Which Is More Advantageous for High-Efficiency Organic Solar Cells?. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7107-7112.	4.6	41
84	Reversible Laser-Induced Amplified Spontaneous Emission from Coexisting Tetragonal and Orthorhombic Phases in Hybrid Lead Halide Perovskites. <i>Advanced Optical Materials</i> , 2016, 4, 917-928.	7.3	40
85	Triplet energy transfer in conjugated polymers. III. An experimental assessment regarding the influence of disorder on polaronic transport. <i>Physical Review B</i> , 2010, 81, .	3.2	39
86	Role of Intrinsic Photogeneration in Single Layer and Bilayer Solar Cells with C ₆₀ and PCBM. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25083-25091.	3.1	39
87	Triplet energies and excimer formation in <i>meta</i> - and <i>para</i> -linked carbazolebiphenyl matrix materials. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140446.	3.4	38
88	Investigating two-step MAPbI ₃ thin film formation during spin coating by simultaneous <i>in situ</i> absorption and photoluminescence spectroscopy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5086-5094.	10.3	37
89	A Fluorescence-Detected Coordination-Induced Spin State Switch. <i>Journal of the American Chemical Society</i> , 2021, 143, 3466-3480.	13.7	37
90	Fluorescence and Phosphorescence in Organic Materials. <i>Advanced Engineering Materials</i> , 2002, 4, 453-459.	3.5	36

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91	The effects of H ₂ O and O ₂ on the photocurrent spectra of MEH-PPV. <i>Synthetic Metals</i> , 1999, 102, 871-872.	3.9	35
92	Atomic-Level Insight into the Postsynthesis Band Gap Engineering of a Lewis Base Polymer Using Lewis Acid Tris(pentafluorophenyl)borane. <i>Chemistry of Materials</i> , 2019, 31, 6715-6725.	6.7	35
93	Controlling aggregate formation in conjugated polymers by spin-coating below the critical temperature of the disorder-order transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 532-542.	2.1	34
94	Emission Enhancement and Intermittency in Polycrystalline Organolead Halide Perovskite Films. <i>Molecules</i> , 2016, 21, 1081.	3.8	33
95	Does Electron Delocalization Influence Charge Separation at Donor-Acceptor Interfaces in Organic Photovoltaic Cells?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21792-21802.	3.1	33
96	Control of β^2 -phase formation in polyfluorene thin films via Franck-Condon analysis. <i>Synthetic Metals</i> , 2003, 139, 905-907.	3.9	32
97	Understanding the Role of Order in Series Non-Fullerene Solar Cells to Realize High Open-Circuit Voltages. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	32
98	Synthesis and Comparison of the Optical Properties of Platinum(II) Poly-ynes with Fused and Non-Fused Oligothiophenes. <i>Macromolecules</i> , 2009, 42, 1131-1141.	4.8	31
99	Does Excess Energy Assist Photogeneration in an Organic Low-Bandgap Solar Cell?. <i>Advanced Functional Materials</i> , 2015, 25, 1287-1295.	14.9	31
100	Environmental Control of Triplet Emission in Donor-Bridge-Acceptor Organometallics. <i>Advanced Functional Materials</i> , 2020, 30, 1908715.	14.9	31
101	Thermally Activated Delayed Fluorescent Dendrimers that Underpin High-Efficiency Host-Free Solution-Processed Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2022, 34, e2110344.	21.0	30
102	Watching Paint Dry: The Impact of Diiodooctane on the Kinetics of Aggregate Formation in Thin Films of Poly(3-hexylthiophene). <i>Macromolecules</i> , 2016, 49, 6420-6430.	4.8	29
103	No more breaks for electrons. <i>Nature Materials</i> , 2012, 11, 836-837.	27.5	27
104	Mapping the Density of States Distribution of Organic Semiconductors by Employing Energy Resolved Electrochemical Impedance Spectroscopy. <i>Advanced Functional Materials</i> , 2021, 31, 2007738.	14.9	26
105	Synthesis and characterization of platinum(ii) di-ynes and poly-ynes incorporating ethylenedioxythiophene (EDOT) spacers in the backbone. <i>Dalton Transactions</i> , 2011, 40, 10174.	3.3	25
106	Ultrafast Energy Transfer between Disordered and Highly Planarized Chains of Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV). <i>ACS Macro Letters</i> , 2015, 4, 412-416.	4.8	24
107	Investigating the Tetragonal-to-Orthorhombic Phase Transition of Methylammonium Lead Iodide Single Crystals by Detailed Photoluminescence Analysis. <i>Advanced Optical Materials</i> , 2020, 8, 2000455.	7.3	23
108	The role of C-H and C-C stretching modes in the intrinsic non-radiative decay of triplet states in a Pt-containing conjugated phenylene ethynylene. <i>Journal of Chemical Physics</i> , 2012, 136, 094905.	3.0	22

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109	Origin of Meyer-Neldel type compensation behavior in organic semiconductors at large carrier concentrations: Disorder versus thermodynamic description. <i>Physical Review B</i> , 2014, 90, .	3.2	22
110	Measuring Reduced C_{60} Diffusion in Crosslinked Polymer Films by Optical Spectroscopy. <i>Advanced Functional Materials</i> , 2014, 24, 6172-6177.	14.9	22
111	Compact Layers of Hybrid Halide Perovskites Fabricated via the Aerosol Deposition Process—Uncoupling Material Synthesis and Layer Formation. <i>Materials</i> , 2016, 9, 277.	2.9	22
112	Polarized blue photoluminescence of mesoscopically ordered electrospun non-conjugated polyacrylonitrile nanofibers. <i>Materials Horizons</i> , 2020, 7, 1605-1612.	12.2	22
113	Iron(II) Spin Crossover Complexes Based on a Redox Active Equatorial Schiff-Base-Like Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 8320-8333.	4.0	21
114	Triplet—Triplet Annihilation in a Series of Poly(<i>p</i> -phenylene) Derivatives. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8417-8423.	2.6	20
115	Polarization of singlet and triplet excited states in a platinum-containing conjugated polymer. <i>Physical Review B</i> , 2003, 67, .	3.2	19
116	Dimensionality-dependent energy transfer in polymer-intercalated SnS ₂ nanocomposites. <i>Physical Review B</i> , 2007, 75, .	3.2	19
117	Regiochemistry of Donor Dendrons Controls the Performance of Thermally Activated Delayed Fluorescence Dendrimer Emitters for High Efficiency Solution-Processed Organic Light-Emitting Diodes. <i>Advanced Science</i> , 2022, 9, e2201470.	11.2	19
118	Donor-acceptor interactions in organometallic and organic poly-ynes. <i>Synthetic Metals</i> , 1999, 101, 246-247.	3.9	18
119	Relaxation dynamics and exciton energy transfer in the low-temperature phase of MEH-PPV. <i>Journal of Chemical Physics</i> , 2015, 142, 212429.	3.0	18
120	High Triplet Energy Host Materials for Blue TADF OLEDs—A Tool Box Approach. <i>Frontiers in Chemistry</i> , 2020, 8, 657.	3.6	18
121	Synthesis of new conjugated thiophene polymers. <i>Synthetic Metals</i> , 1996, 76, 169-171.	3.9	17
122	Novel host materials for blue phosphorescent OLEDs. <i>Proceedings of SPIE</i> , 2013, , .	0.8	16
123	Triplet Exciton Diffusion and Quenching in Matrix-Free Solid Photon Upconversion Films. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3764-3775.	3.1	16
124	The Impact of Grain Boundaries on Charge Transport in Polycrystalline Organic Field-Effect Transistors. <i>Advanced Optical Materials</i> , 2021, 9, 2100115.	7.3	16
125	Dielectric—Semiconductor Interface Limits Charge Carrier Motion at Elevated Temperatures and Large Carrier Densities in a High-Mobility Organic Semiconductor. <i>Advanced Functional Materials</i> , 2019, 29, 1807867.	14.9	16
126	Spectroscopic study of spin-dependent exciton formation rates in π -conjugated semiconductors: Comparison with electroluminescence techniques. <i>Physical Review B</i> , 2004, 70, .	3.2	15

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127	Kinetic Monte Carlo Study of Triplet-Triplet Annihilation in Conjugated Luminescent Materials. <i>Physical Review Applied</i> , 2020, 14, .	3.8	15
128	Role of the reorganization energy for charge transport in disordered organic semiconductors. <i>Physical Review B</i> , 2021, 103, .	3.2	15
129	UV photocurrent spectroscopy in poly(p-phenylene vinylene) and derivatives. <i>Synthetic Metals</i> , 1997, 84, 675-676.	3.9	14
130	Polymer light-emitting diodes with spin-polarised charge injection. <i>Synthetic Metals</i> , 2004, 147, 155-158.	3.9	14
131	The effect of delocalization on the exchange energy in meta- and para-linked Pt-containing carbazole polymers and monomers. <i>Journal of Chemical Physics</i> , 2006, 124, 244701.	3.0	14
132	The effect of intermolecular interaction on excited states in p- α -DTS(FBTTH2)2. <i>Journal of Chemical Physics</i> , 2016, 144, 074904.	3.0	14
133	Influence of crosslinking on charge carrier mobility in crosslinkable polyfluorene derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 112-120.	2.1	14
134	Density of States of OLED Host Materials from Thermally Stimulated Luminescence. <i>Physical Review Applied</i> , 2021, 15, .	3.8	14
135	Low efficiency roll-off blue TADF OLEDs employing a novel acridine-pyrimidine based high triplet energy host. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17471-17482.	5.5	14
136	Diffusion-Limited Energy Transfer in Blends of Oligofluorenes with an Anthracene Derivative. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8063-8070.	2.6	13
137	Effect of the Solvent on the Conformation of Isolated MEH-PPV Chains Intercalated Into SnS ₂ . <i>ChemPhysChem</i> , 2008, 9, 1430-1436.	2.1	12
138	The Impact of Solvent Vapor on the Film Morphology and Crystallization Kinetics of Lead Halide Perovskites during Annealing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45365-45374.	8.0	12
139	Influence of the Excited-State Charge-Transfer Character on the Exciton Dissociation in Donor-Acceptor Copolymers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27-36.	3.1	11
140	Organic solar cells with crosslinked polymeric exciton blocking layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2162-2168.	1.8	11
141	Facile Synthesis and Chain Length Dependence of the Optical and Structural Properties of Diketopyrrolopyrrole-Based Oligomers. <i>Chemistry - A European Journal</i> , 2017, 23, 13718-13723.	3.3	11
142	What is the role of planarity and torsional freedom for aggregation in a π -conjugated donor-acceptor model oligomer?. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4944-4955.	5.5	11
143	Rod-Like Nano-Light Harvester. <i>Macromolecular Rapid Communications</i> , 2014, 35, 52-55.	3.9	10
144	Interplay of localized pyrene chromophores and π -conjugation in novel poly(2,7-pyrene) ladder polymers. <i>Journal of Chemical Physics</i> , 2017, 146, 174903.	3.0	10

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145	Structural Information for Conjugated Polymers from Optical Modeling. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3621-3625.	2.5	10
146	On the formation mechanism for electrically generated exciplexes in a carbazole-pyridine copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 361-369.	2.1	9
147	Ground State Bleaching at Donor-Acceptor Interfaces. <i>Advanced Functional Materials</i> , 2014, 24, 6439-6448.	14.9	9
148	The influence of torsion on excimer formation in bipolar host materials for blue phosphorescent OLEDs. <i>Journal of Chemical Physics</i> , 2016, 144, 214906.	3.0	9
149	Thiophene-pyrrole containing S,N-heteroheptacenes: synthesis, and optical and electrochemical characterisation. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1629-1635.	4.5	9
150	Role of transport band edge variation on delocalized charge transport in high-mobility crystalline organic semiconductors. <i>Physical Review B</i> , 2017, 96, .	3.2	8
151	Spectroscopic Study of Thiophene-Pyrrole-Containing S,N-Heteroheptacenes Compared to Acenes and Phenacenes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7492-7501.	2.6	8
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