

# Anna Kähler

## List of Publications by Year in descending order

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180  
papers

13,133  
citations

25034

57  
h-index

25787

108  
g-index

190  
all docs

190  
docs citations

190  
times ranked

12617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diindolocarbazole “ achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units. <i>Materials Horizons</i> , 2022, 9, 1068-1080.	12.2	48
2	Enhancing Thermally Activated Delayed Fluorescence by Fine-Tuning the Dendron Donor Strength. <i>Journal of Physical Chemistry B</i> , 2022, 126, 552-562.	2.6	7
3	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
4	Static and Dynamic Disorder of Charge Transfer States Probed by Optical Spectroscopy. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	7
5	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
6	Posttreatment of powder aerosol deposited oxide ceramic films by high power LED. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 1540-1553.	2.1	6
7	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
8	Random band-edge model description of thermoelectricity in high-mobility disordered semiconductors: Application to the amorphous oxide In-Ga-Zn-O. <i>Physical Review B</i> , 2022, 105, .	3.2	1
9	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
10	Suppressed ion migration in powder-based perovskite thick films using an ionic liquid. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11827-11837.	5.5	5
11	A Fluorescence-Detected Coordination-Induced Spin State Switch. <i>Journal of the American Chemical Society</i> , 2021, 143, 3466-3480.	13.7	37
12	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
13	Density of States of OLED Host Materials from Thermally Stimulated Luminescence. <i>Physical Review Applied</i> , 2021, 15, .	3.8	14
14	Role of the reorganization energy for charge transport in disordered organic semiconductors. <i>Physical Review B</i> , 2021, 103, .	3.2	15
15	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
16	Invited Paper: Design of Multi-Resonance Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 228-231.	0.3	1
17	Substitution Effects on a New Pyridylbenzimidazole Acceptor for Thermally Activated Delayed Fluorescence and Their Use in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100846.	7.3	6
18	The Impact of Solvent Vapor on the Film Morphology and Crystallization Kinetics of Lead Halide Perovskites during Annealing. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45365-45374.	8.0	12

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19	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
20	Environmental Control of Triplet Emission in Donor-Bridge-Acceptor Organometallics. <i>Advanced Functional Materials</i> , 2020, 30, 1908715.	14.9	31
21	Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2289-2300.	5.5	72
22	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. <i>Advanced Optical Materials</i> , 2020, 8, 1901627.	7.3	182
23	OBO-Fused Benzo[fg]tetracene as Acceptor With Potential for Thermally Activated Delayed Fluorescence Emitters. <i>Frontiers in Chemistry</i> , 2020, 8, 563411.	3.6	2
24	Versatile Approach to Well-Defined Oligofluorenes and Polyfluorenes with Low Dispersity. <i>Macromolecules</i> , 2020, 53, 10137-10146.	4.8	7
25	High Triplet Energy Host Materials for Blue TADF OLEDs-A Tool Box Approach. <i>Frontiers in Chemistry</i> , 2020, 8, 657.	3.6	18
26	Role of Torsional Flexibility in the Film Formation Process in Two $\pi$ -Conjugated Model Oligomers. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9379-9386.	4.6	7
27	Kinetic Monte Carlo Study of Triplet-Triplet Annihilation in Conjugated Luminescent Materials. <i>Physical Review Applied</i> , 2020, 14, .	3.8	15
28	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
29	What is the role of planarity and torsional freedom for aggregation in a $\pi$ -conjugated donor-acceptor model oligomer?. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4944-4955.	5.5	11
30	Influence of $i$ -Bromo Substitution on Structure and Optoelectronic Properties of Homopolymers and Gradient Copolymers of 3-Hexylthiophene. <i>Macromolecules</i> , 2020, 53, 2474-2484.	4.8	5
31	A Deep Blue B,N-Doped Heptacene Emitter That Shows Both Thermally Activated Delayed Fluorescence and Delayed Fluorescence by Triplet-Triplet Annihilation. <i>Journal of the American Chemical Society</i> , 2020, 142, 6588-6599.	13.7	189
32	Investigating two-step MAPbI <sub>3</sub> 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
33	Polarized blue photoluminescence of mesoscopically ordered electrospun non-conjugated polyacrylonitrile nanofibers. <i>Materials Horizons</i> , 2020, 7, 1605-1612.	12.2	22
34	Investigating the Tetragonal-Orthorhombic Phase Transition of Methylammonium Lead Iodide Single Crystals by Detailed Photoluminescence Analysis. <i>Advanced Optical Materials</i> , 2020, 8, 2000455.	7.3	23
35	High Versatility and Stability of Mechanochemically Synthesized Halide Perovskite Powders for Optoelectronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30259-30268.	8.0	47
36	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

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37	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
38	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
39	A New Series of Conjugated Platinum-co Poly(p-phenylenebutadiynylene)s Polymers: Syntheses and Photophysical Properties. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800494.	2.2	5
40	Organic Bidirectional Phototransistors Based on Diketopyrrolopyrrole and Fullerene. <i>Advanced Functional Materials</i> , 2019, 29, 1805684.	14.9	5
41	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
42	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
43	Spin-Crossover Iron(II) Coordination Polymer with Fluorescent Properties: Correlation between Emission Properties and Spin State. <i>Journal of the American Chemical Society</i> , 2018, 140, 700-709.	13.7	169
44	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
45	Negative field-dependent charge mobility in crystalline organic semiconductors with delocalized transport. <i>Chemical Papers</i> , 2018, 72, 1685-1695.	2.2	5
46	Structural Information for Conjugated Polymers from Optical Modeling. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3621-3625.	2.5	10
47	The role of $\text{PbI}_2$ in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite stability, solar cell parameters and device degradation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 605-614.	2.8	135
48	Unraveling the Role of Multiphonon Excitations and Disorder Concerning the Meyer-Neldel Type Compensation Effect in Organic Semiconductors. <i>Physical Review Applied</i> , 2018, 10, .	3.8	3
49	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
50	Elucidating Aggregation Pathways in the Donor-Acceptor Type Molecules p-DTS(FBTTh <sub>2</sub> ) <sub>2</sub> and p-SIDT(FBTTh <sub>2</sub> ) <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , 2018, 122, 9191-9201.	2.6	8
51	Facile Method for the Investigation of Temperature-Dependent $\text{C}_{60}$ Diffusion in Conjugated Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21499-21509.	8.0	4
52	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
53	Extracting structural information from MEH-PPV optical spectra. <i>Journal of Chemical Physics</i> , 2018, 149, 044903.	3.0	4
54	Impact of excess $\text{PbI}_2$ 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

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55	Thiophene- $\pi$ -pyrrole containing S,N-heteroheptacenes: synthesis, and optical and electrochemical characterisation. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1629-1635.	4.5	9
56	Interplay of localized pyrene chromophores and $\pi$ -conjugation in novel poly(2,7-pyrene) ladder polymers. <i>Journal of Chemical Physics</i> , 2017, 146, 174903.	3.0	10
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	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
59	Crosslinked Semiconductor Polymers for Photovoltaic Applications. <i>Advanced Energy Materials</i> , 2017, 7, 1700306.	19.5	64
60	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
61	Temperature Induced Order-Disorder Transition in Solutions of Conjugated Polymers Probed by Optical Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 114-125.	4.6	153
62	Conjugated Polymers: $\pi$ -Conjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends (Adv. Energy Mater. 16/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	0
63	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
64	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
65	Spectroscopic Study of Thiophene- $\pi$ -Pyrrole-Containing S,N-Heteroheptacenes Compared to Acenes and Phenacenes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7492-7501.	2.6	8
66	$\pi$ -Conjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends. <i>Advanced Energy Materials</i> , 2017, 7, 1700314.	19.5	63
67	Excited state dynamics and conformations of a Cu( $\text{phthalocyanine-perylenebisimide}$ ) dyad. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22169-22176.	2.8	5
68	Impact of Structural Dynamics on the Optical Properties of Methylammonium Lead Iodide Perovskites. <i>Advanced Energy Materials</i> , 2017, 7, 1700286.	19.5	52
69	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
70	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
71	Emission Enhancement and Intermittency in Polycrystalline Organolead Halide Perovskite Films. <i>Molecules</i> , 2016, 21, 1081.	3.8	33
72	Iodine Migration and its Effect on Hysteresis in Perovskite Solar Cells. <i>Advanced Materials</i> , 2016, 28, 2446-2454.	21.0	449

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73	Publisher's Note: The influence of torsion on excimer formation in bipolar host materials for blue phosphorescent OLEDs. [J. Chem. Phys. 144, 214906 (2016)]. Journal of Chemical Physics, 2016, 144, 239902.	3.0	0
74	The effect of intermolecular interaction on excited states in p-phenylene-DTS(FBTTH2)2. Journal of Chemical Physics, 2016, 144, 074904.	3.0	14
75	The influence of torsion on excimer formation in bipolar host materials for blue phosphorescent OLEDs. Journal of Chemical Physics, 2016, 144, 214906.	3.0	9
76	Initiator-free crosslinking of oxetane functionalized low bandgap polymers: an approach towards stabilized bulk heterojunction solar cells. Journal of Materials Chemistry C, 2016, 4, 10347-10357.	5.5	7
77	Watching Paint Dry: The Impact of Diiodooctane on the Kinetics of Aggregate Formation in Thin Films of Poly(3-hexylthiophene). Macromolecules, 2016, 49, 6420-6430.	4.8	29
78	Effect of Thermal and Structural Disorder on the Electronic Structure of Hybrid Perovskite Semiconductor CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . Journal of Physical Chemistry Letters, 2016, 7, 3014-3021.	4.6	148
79	Interplay between hopping and band transport in high-mobility disordered semiconductors at large carrier concentrations: The case of the amorphous oxide InGaZnO. Physical Review B, 2016, 93, .	3.2	43
80	Role of Intrinsic Photogeneration in Single Layer and Bilayer Solar Cells with C <sub>60</sub> and PCBM. Journal of Physical Chemistry C, 2016, 120, 25083-25091.	3.1	39
81	Synthesis, spectroscopic characterization, thermal and luminescent properties of new organosulfur-functionalized platinum(II) bis(alkenylaryalkynyl) complexes. Journal of Organometallic Chemistry, 2016, 818, 185-194.	1.8	4
82	Reversible Laser-Induced Amplified Spontaneous Emission from Coexisting Tetragonal and Orthorhombic Phases in Hybrid Lead Halide Perovskites. Advanced Optical Materials, 2016, 4, 917-928.	7.3	40
83	Revealing structure formation in PCPDTBT by optical spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1416-1430.	2.1	41
84	Organic solar cells with crosslinked polymeric exciton blocking layer. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2162-2168.	1.8	11
85	Triplet energies and excimer formation in meta- and para-linked carbazolebiphenyl matrix materials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140446.	3.4	38
86	Excimer Formation by Steric Twisting in Carbazole and Triphenylamine-Based Host Materials. Journal of Physical Chemistry C, 2015, 119, 2380-2387.	3.1	63
87	Does Excess Energy Assist Photogeneration in an Organic Low-Bandgap Solar Cell?. Advanced Functional Materials, 2015, 25, 1287-1295.	14.9	31
88	Spectroscopic Signature of Two Distinct H-Aggregate Species in Poly(3-hexylthiophene). Macromolecules, 2015, 48, 1543-1553.	4.8	78
89	A Combined Theoretical and Experimental Study of Dissociation of Charge Transfer States at the Donor-Acceptor Interface of Organic Solar Cells. Journal of Physical Chemistry B, 2015, 119, 10359-10371.	2.6	48
90	Relaxation dynamics and exciton energy transfer in the low-temperature phase of MEH-PPV. Journal of Chemical Physics, 2015, 142, 212429.	3.0	18

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91	Ultrafast Energy Transfer between Disordered and Highly Planarized Chains of Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV). ACS Macro Letters, 2015, 4, 412-416.	4.8	24
92	“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
93	Analytic model of hopping transport in organic semiconductors including both energetic disorder and polaronic contributions. , 2014, , .		6
94	Origin of Meyer-Neldel type compensation behavior in organic semiconductors at large carrier concentrations: Disorder versus thermodynamic description. Physical Review B, 2014, 90, .	3.2	22
95	Rod-Like Nano-Light Harvester. Macromolecular Rapid Communications, 2014, 35, 52-55.	3.9	10
96	Influence of the Excited-State Charge-Transfer Character on the Exciton Dissociation in Donor-Acceptor Copolymers. Journal of Physical Chemistry C, 2014, 118, 27-36.	3.1	11
97	Ground State Bleaching at Donor-Acceptor Interfaces. Advanced Functional Materials, 2014, 24, 6439-6448.	14.9	9
98	The Impact of Polydispersity and Molecular Weight on the Order-Disorder Transition in Poly(3-hexylthiophene). Journal of Physical Chemistry Letters, 2014, 5, 2742-2747.	4.6	54
99	Measuring Reduced $C_{60}$ Diffusion in Crosslinked Polymer Films by Optical Spectroscopy. Advanced Functional Materials, 2014, 24, 6172-6177.	14.9	22
100	Unified description for hopping transport in organic semiconductors including both energetic disorder and polaronic contributions. Physical Review B, 2013, 88, .	3.2	86
101	Triazine Based Bipolar Host Materials for Blue Phosphorescent OLEDs. Chemistry of Materials, 2013, 25, 3758-3765.	6.7	88
102	To Hop or Not to Hop? Understanding the Temperature Dependence of Spectral Diffusion in Organic Semiconductors. Journal of Physical Chemistry Letters, 2013, 4, 1694-1700.	4.6	41
103	Role of the effective mass and interfacial dipoles on exciton dissociation in organic donor-acceptor solar cells. Physical Review B, 2013, 87, .	3.2	79
104	Controlling the $\pi$ -Stacking Behavior of Pyrene Derivatives: Influence of H-Bonding and Steric Effects in Different States of Aggregation. ChemPhysChem, 2013, 14, 1818-1829.	2.1	57
105	How Do Disorder, Reorganization, and Localization Influence the Hole Mobility in Conjugated Copolymers?. Journal of the American Chemical Society, 2013, 135, 1772-1782.	13.7	50
106	The red-phase of poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV): A disordered HJ-aggregate. Journal of Chemical Physics, 2013, 139, 114903.	3.0	58
107	Charge carrier mobility in amorphous organic semiconductors. , 2013, , 192-234.		3
108	Novel host materials for blue phosphorescent OLEDs. Proceedings of SPIE, 2013, , .	0.8	16

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109	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
110	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
111	No more breaks for electrons. <i>Nature Materials</i> , 2012, 11, 836-837.	27.5	27
112	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
113	Control of aggregate formation in poly(3-hexylthiophene) by solvent, molecular weight, and synthetic method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 442-453.	2.1	209
114	Why does the electrical conductivity in PEDOT:PSS decrease with PSS content? A study combining thermoelectric measurements with impedance spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 976-983.	2.1	162
115	An Order-Disorder Transition in the Conjugated Polymer MEH-PPV. <i>Journal of the American Chemical Society</i> , 2012, 134, 11594-11601.	13.7	123
116	Does Conjugation Help Exciton Dissociation? A Study on Poly(p-phenylene)s in Planar Heterojunctions with C <sub>60</sub> or TNF. <i>Advanced Materials</i> , 2012, 24, 922-925.	21.0	78
117	What controls triplet exciton transfer in organic semiconductors?. <i>Journal of Materials Chemistry</i> , 2011, 21, 4003-4011.	6.7	107
118	Triplet Excimer Emission in a Series of 4,4-Bis(N-carbazolyl)-2,2-biphenyl Derivatives. <i>Journal of Physical Chemistry B</i> , 2011, 115, 414-421.	2.6	56
119	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. <i>Journal of the American Chemical Society</i> , 2011, 133, 18220-18233.	13.7	130
120	Triplet-Triplet Annihilation in a Series of Poly(p-phenylene) Derivatives. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8417-8423.	2.6	20
121	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
122	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
123	Charge Transport in Organic Semiconductors. <i>Topics in Current Chemistry</i> , 2011, 312, 1-65.	4.0	178
124	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
125	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
126	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



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127	What Determines Inhomogeneous Broadening of Electronic Transitions in Conjugated Polymers?. Journal of Physical Chemistry B, 2010, 114, 17037-17048.	2.6	90
128	Spectral diffusion in poly( <i>para</i> -phenylene)-type polymers with different energetic disorder. Physical Review B, 2010, 81, .	3.2	44
129	Triplet states in organic semiconductors. Materials Science and Engineering Reports, 2009, 66, 71-109.	31.8	448
130	Synthesis and Comparison of the Optical Properties of Platinum(II) Poly-ynes with Fused and Non-Fused Oligothiophenes. Macromolecules, 2009, 42, 1131-1141.	4.8	31
131	Exciton dynamics in blends of phosphorescent emitters. Physica Status Solidi (B): Basic Research, 2008, 245, 810-813.	1.5	4
132	Effect of the Solvent on the Conformation of Isolated MEHâ€PPV Chains Intercalated Into SnS <sub>2</sub> . ChemPhysChem, 2008, 9, 1430-1436.	2.1	12
133	Triplet energy transfer in conjugated polymers. I. Experimental investigation of a weakly disordered compound. Physical Review B, 2008, 78, .	3.2	62
134	Triplet energy transfer in conjugated polymers. II. A polaron theory description addressing the influence of disorder. Physical Review B, 2008, 78, .	3.2	41
135	Dimensionality-dependent energy transfer in polymer-intercalated SnS <sub>2</sub> nanocomposites. Physical Review B, 2007, 75, .	3.2	19
136	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
137	Highly Fluorescent Crystalline and Liquid Crystalline Columnar Phases of Pyrene-Based Structures. Journal of Physical Chemistry B, 2006, 110, 7653-7659.	2.6	161
138	The effect of delocalization on the exchange energy in meta- and para-linked Pt-containing carbazole polymers and monomers. Journal of Chemical Physics, 2006, 124, 244701.	3.0	14
139	Blue-to-green electrophosphorescence of iridium-based cyclometallated materials. Chemical Communications, 2005, , 4708.	4.1	98
140	Morphology dependence of the triplet excited state formation and absorption in polyfluorene. Physical Review B, 2005, 71, .	3.2	90
141	Large magnetoresistance in nonmagnetic $\pi$ -conjugated semiconductor thin film devices. Physical Review B, 2005, 72, .	3.2	350
142	Morphology-dependent energy transfer within polyfluorene thin films. Physical Review B, 2004, 69, .	3.2	218
143	New Light Emitting Polymers and High Energy Hosts for Triplet Emission. Materials Research Society Symposia Proceedings, 2004, 846, DD7.7.1.	0.1	0
144	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

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145	The Singlet-Triplet Exchange Energy in Conjugated Polymers. <i>Advanced Functional Materials</i> , 2004, 14, 11-18.	14.9	229
146	Solution-Processible Conjugated Electrophosphorescent Polymers. <i>Journal of the American Chemical Society</i> , 2004, 126, 7041-7048.	13.7	285
147	Spectroscopic study of spin-dependent exciton formation rates in $\pi$ -conjugated semiconductors: Comparison with electroluminescence techniques. <i>Physical Review B</i> , 2004, 70, .	3.2	15
148	Polymer light-emitting diodes with spin-polarised charge injection. <i>Synthetic Metals</i> , 2004, 147, 155-158.	3.9	14
149	Fluorescence and Phosphorescence in Organic Materials. <i>ChemInform</i> , 2003, 34, no-no.	0.0	0
150	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
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