Stefan C J Meskers

List of Publications by Year
in descending order

221	12,538	19657 61	30087 103
papers	citations	h-index	g-index

225	225	225	11936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Energy of Chargeâ€Transfer States in Electron Donorâ€“Acceptor Blends: Insight into the Energy Losses in Organic Solar Cells. Advanced Functional Materials, 2009, 19, 1939-1948.	14.9	907
2	Compositional and Electric Field Dependence of the Dissociation of Charge Transfer Excitons in Alternating Polyfluorene Copolymer/Fullerene Blends. Journal of the American Chemical Society, 2008, 130, 7721-7735.	13.7	544
3	Supramolecular pâ^'n-Heterojunctions by Co-Self-Organization of Oligo(p-phenylene Vinylene) and Perylene Bisimide Dyes. Journal of the American Chemical Society, 2004, 126, 10611-10618.	13.7	400
4	Circularly Polarized Electroluminescence from Liquid-Crystalline Chiral Polyfluorenes. Advanced Materials, 2000, 12, 362-365.	21.0	283
5	Circular Dichroism and Circular Polarization of Photoluminescence of Highly Ordered Poly{3,4-di[(S)-2-methylbutoxy]thiophene}. Journal of the American Chemical Society, 1996, 118, 4908-4909.	13.7	279
6	Organic Photodetectors and their Application in Large Area and Flexible Image Sensors: The Role of Dark Current. Advanced Functional Materials, 2020, 30, 1904205.	14.9	242
7	Large Area Liquid Crystal Monodomain Field-Effect Transistors. Journal of the American Chemical Society, 2006, 128, 2336-2345.	13.7	222
8	Supramolecular Organization of Î±,Î±â€˜-Disubstituted Sexithiophenes. Journal of the American Chemical Society, 2002, 124, 1269-1275.	13.7	211
9	Effect of the Fibrillar Microstructure on the Efficiency of High Molecular Weight Diketopyrrolopyrroleâ€Based Polymer Solar Cells. Advanced Materials, 2014, 26, 1565-1570.	21.0	207
10	Macroscopic Origin of Circular Dichroism Effects by Alignment of Selfâ€Assembled Fibers in Solution. Angewandte Chemie - International Edition, 2007, 46, 8203-8205.	13.8	206
11	High Circular Polarization of Electroluminescence Achieved via Self-Assembly of a Light-Emitting Chiral Conjugated Polymer into Multidomain Cholesteric Films. ACS Nano, 2017, 11, 12713-12722.	14.6	197
12	Alternating Oligo(p-phenylene vinylene)â^'Perylene Bisimide Copolymers:Â Synthesis, Photophysics, and Photovoltaic Properties of a New Class of Donorâ^'Acceptor Materials. Journal of the American Chemical Society, 2003, 125, 8625-8638.	13.7	195
13	Probing a Conjugated Polymer's Transfer of Organization-Dependent Properties from Solutions to Films. Journal of the American Chemical Society, 2006, 128, 9030-9031.	13.7	186
14	Influence of Intermolecular Orientation on the Photoinduced Charge Transfer Kinetics in Self-Assembled Aggregates of Donorâ^'Acceptor Arrays. Journal of the American Chemical Society, 2006, 128, 649-657.	13.7	171
15	Highly Luminescent CdTe/CdSe Colloidal Heteronanocrystals with Temperature-Dependent Emission Color. Journal of the American Chemical Society, 2007, 129, 14880-14886.	13.7	167
16	Dispersive Relaxation Dynamics of Photoexcitations in a Polyfluorene Film Involving Energy Transfer:â€‰ Experiment and Monte Carlo Simulations. Journal of Physical Chemistry B, 2001, 105, 9139-9149.	2.6	154
17	Improved Film Morphology Reduces Charge Carrier Recombination into the Triplet Excited State in a Small Bandgap Polymerâ€Fullerene Photovoltaic Cell. Advanced Materials, 2010, 22, 4321-4324.	21.0	151
18	Photoinduced Energy and Electron Transfer in Fullereneâ^'Oligothiopheneâ^'Fullerene Triads. Journal of Physical Chemistry A, 2000, 104, 5974-5988.	2.5	146

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19	Electronic memory effects in diodes from a zinc oxide nanoparticle-polystyrene hybrid material. Applied Physics Letters, 2006, 89, 102103.	3.3	136
20	Spontaneous Formation of Chirality in J-Aggregates Showing Davydov Splitting. Angewandte Chemie International Edition in English, 1996, 35, 760-763.	4.4	129
21	Singlet and triplet excitations of chiral dialkoxy-p-phenylene vinylene oligomers. Journal of Chemical Physics, 2000, 112, 9445-9454.	3.0	128
22	Exciplex dynamics in a blend ofÏ€-conjugated polymers with electron donating and accepting properties: MDMO-PPV and PCNEPV. Physical Review B, 2005, 72, .	3.2	127
23	Pathway Complexity in the Enantioselective Self-Assembly of Functional Carbonyl-Bridged Triarylamine Trisamides. Journal of the American Chemical Society, 2016, 138, 10539-10545.	13.7	127
24	Reproducible resistive switching in nonvolatile organic memories. Applied Physics Letters, 2007, 91, .	3.3	126
25	Investigation of Exciton Coupling in Oligothiophenes by Circular Dichroism Spectroscopy. Advanced Materials, 1998, 10, 1343-1348.	21.0	119
26	Self-Assembled Hybrid Oligo(p-phenylenevinylene)â€“Gold Nanoparticle Tapes. Angewandte Chemie - International Edition, 2007, 46, 1825-1828.	13.8	117
27	Optical Properties of Oligothiophene Substituted Diketopyrrolopyrrole Derivatives in the Solid Phase: Joint J- and H-Type Aggregation. Journal of Physical Chemistry A, 2012, 116, 7927-7936.	2.5	114
28	Probing Excitation Delocalization in Supramolecular Chiral Stacks by Means of Circularly Polarized Light:â€‰ Experiment and Modeling. Journal of the American Chemical Society, 2007, 129, 7044-7054.	13.7	112
29	Photoluminescence of Self-organized Perylene Bisimide Polymers. Macromolecular Chemistry and Physics, 2004, 205, 217-222.	2.2	107
30	The Chiroptical Properties of a Thermally Annealed Film of Chiral Substituted Polyfluorene Depend on Film Thickness. Advanced Materials, 2003, 15, 1435-1438.	21.0	106
31	Triplet Formation Involving a Polar Transition State in a Well-Defined Intramolecular Perylenediimide Dimeric Aggregate. Journal of Physical Chemistry A, 2008, 112, 5846-5857.	2.5	103
32	Efficient Energy Transfer in Mixed Columnar Stacks of Hydrogen-Bonded Oligo(p-phenylene vinylene)s in Solution. Angewandte Chemie - International Edition, 2004, 43, 1976-1979.	13.8	99
33	Helical Aromatic Oligoamide Foldamers as Organizational Scaffolds for Photoinduced Charge Transfer. Journal of the American Chemical Society, 2009, 131, 4819-4829.	13.7	95
34	Monte-Carlo simulations of geminate electronâ€“hole pair dissociation in a molecular heterojunction: a two-step dissociation mechanism. Chemical Physics, 2005, 308, 125-133.	1.9	93
35	Electronic memory effects in diodes of zinc oxide nanoparticles in a matrix of polystyrene or poly(3-hexylthiophene). Journal of Applied Physics, 2007, 102, .	2.5	92
36	Optical imaging as an expansion of nuclear medicine: Cerenkov-based luminescence vs fluorescence-based luminescence. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1283-1291.	6.4	89

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37	Impact of polymorphism on the optoelectronic properties of a low-bandgap semiconducting polymer. Nature Communications, 2019, 10, 2867.	12.8	89
38	Photoinduced Electron Transfer in a Mesogenic Donorâ€“Acceptorâ€“Donor System. Chemistry - A European Journal, 2002, 8, 4470-4474.	3.3	88
39	On the Origin of Dark Current in Organic Photodiodes. Advanced Optical Materials, 2020, 8, 1901568.	7.3	88
40	Donor-Functionalized Polydentate Pyrylium Salts and Phosphinines: Synthesis, Structural Characterization, and Photophysical Properties. Chemistry - A European Journal, 2007, 13, 4548-4559.	3.3	87
41	Photoswitchable Nanomaterials Based on Hierarchically Organized Siloxane Oligomers. Advanced Functional Materials, 2018, 28, 1703952.	14.9	86
42	Long-Lived Charge-Transfer State from Bâ€“N Frustrated Lewis Pairs Enchained in Supramolecular Copolymers. Journal of the American Chemical Society, 2020, 142, 16681-16689.	13.7	86
43	Circularly Polarized Photoluminescence from Chiral Perovskite Thin Films at Room Temperature. ACS Nano, 2020, 14, 7610-7616.	14.6	86
44	Orientational Effect on the Photophysical Properties of Quaterthiopheneâ€“C60 Dyads. Chemistry - A European Journal, 2002, 8, 5415-5429.	3.3	81
45	Electrically Rewritable Memory Cells from Poly(3-hexylthiophene) Schottky Diodes. Advanced Materials, 2005, 17, 1169-1173.	21.0	80
46	Excitation Migration along Oligophenylenevinylene-Based Chiral Stacks:Â Delocalization Effects on Transport Dynamics. Journal of Physical Chemistry B, 2005, 109, 10594-10604.	2.6	80
47	Chiral Excitonic Organic Photodiodes for Direct Detection of Circular Polarized Light. Advanced Functional Materials, 2019, 29, 1900684.	14.9	80
48	Charge Transfer Absorption for Ï€-Conjugated Polymers and Oligomers Mixed with Electron Acceptors. Journal of Physical Chemistry B, 2007, 111, 5076-5081.	2.6	79
49	Simultaneous Openâ€Circuit Voltage Enhancement and Shortâ€Circuit Current Loss in Polymer: Fullerene Solar Cells Correlated by Reduced Quantum Efficiency for Photoinduced Electron Transfer. Advanced Energy Materials, 2013, 3, 85-94.	19.5	77
50	Polymer Photovoltaic Cells Sensitive to the Circular Polarization of Light. Advanced Materials, 2010, 22, E131-4.	21.0	76
51	Charge recombination in a poly(para-phenylene vinylene)-fullerene derivative composite film studied by transient, nonresonant, hole-burning spectroscopy. Journal of Chemical Physics, 2003, 119, 10924-10929.	3.0	73
52	Effect of PCBM on the Photodegradation Kinetics of Polymers for Organic Photovoltaics. Chemistry of Materials, 2012, 24, 4397-4405.	6.7	73
53	Comparison of the chain length dependence of the singlet- and triplet-excited states of oligofluorenes. Chemical Physics Letters, 2005, 411, 273-277.	2.6	71
54	Influence of Photon Excess Energy on Charge Carrier Dynamics in a Polymerâ€Fullerene Solar Cell. Advanced Energy Materials, 2012, 2, 1095-1099.	19.5	69

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55	Phosphorescence and Triplet State Energies of Oligothiophenes. Journal of Physical Chemistry B, 2005, 109, 4410-4415.	2.6	67
56	Exciton Diffusion Length and Lifetime in Subphthalocyanine Films. Journal of Physical Chemistry C, 2009, 113, 2974-2979.	3.1	66
57	Nearâ€Infrared Tandem Organic Photodiodes for Future Application in Artificial Retinal Implants. Advanced Materials, 2018, 30, e1804678.	21.0	66
58	Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene):Â Perylene Bisimide Arrays Close to the Marcus Inverted Region. Journal of Physical Chemistry A, 2004, 108, 6933-6937.	2.5	64
59	Circular Polarization of the Fluorescence from Films of Poly(p-phenylene vinylene) and Polythiophene with Chiral Side Chains. Advanced Materials, 2000, 12, 589-594.	21.0	63
60	Relaxation of photo-excitations in films of oligo- and poly-(para-phenylene vinylene) derivatives. Chemical Physics, 2000, 260, 415-439.	1.9	63
61	Spontane Bildung von optischer AktivitÃt in Jâ€Aggregaten mit Davydovâ€Aufspaltung. Angewandte Chemie, 1996, 108, 827-830.	2.0	61
62	Enhanced Intersystem Crossing via a High Energy Charge Transfer State in a Perylenediimideâ^'Perylenemonoimide Dyad. Journal of Physical Chemistry A, 2008, 112, 8617-8632.	2.5	61
63	Formation of metastable charges as a first step in photoinduced degradation in Ï€-conjugated polymer:fullerene blends for photovoltaic applications. Organic Electronics, 2011, 12, 1657-1662.	2.6	60
64	Ultralow dark current in near-infrared perovskite photodiodes by reducing charge injection and interfacial charge generation. Nature Communications, 2021, 12, 7277.	12.8	60
65	Photoinduced energy and electron transfer in oligo(p-phenylene vinylene)-fullerene dyads. Applied Physics A: Materials Science and Processing, 2004, 79, 41-46.	2.3	59
66	Electronic Memory Effects in a Sexithiopheneâ^'Poly(ethylene oxide) Block Copolymer Doped with NaCl. Combined Diode and Resistive Switching Behavior. Chemistry of Materials, 2006, 18, 2707-2712.	6.7	59
67	Time-resolved fluorescence studies and Monte Carlo simulations of relaxation dynamics of photoexcitations in a polyfluorene film. Chemical Physics Letters, 2001, 339, 223-228.	2.6	58
68	Supramolecular Control over Donorâ^'Acceptor Photoinduced Charge Separation. Journal of the American Chemical Society, 2004, 126, 9630-9644.	13.7	58
69	Chiroptical Properties of an Optically Pure Dicopper(I) Trefoil Knot and Its Enantioselectivity in Luminescence Quenching Reactions. Chemistry - A European Journal, 2000, 6, 2129-2134.	3.3	57
70	The Importance of Nanoscopic Ordering on the Kinetics of Photoinduced Charge Transfer in Aggregated Ï€-Conjugated Hydrogen-Bonded Donorâ^'Acceptor Systems. Journal of Physical Chemistry B, 2006, 110, 16967-16978.	2.6	57
71	High-Resolution Electronic Spectra of Ethylenedioxythiophene Oligomers. Journal of the American Chemical Society, 2006, 128, 17007-17017.	13.7	57
72	Probing Charge Carrier Density in a Layer of Photodoped ZnO Nanoparticles by Spectroscopic Ellipsometry. Journal of Physical Chemistry C, 2010, 114, 14804-14810.	3.1	57

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73	Solutionâ€Processable Septithiophene Monolayer Transistor. Advanced Materials, 2012, 24, 973-978.	21.0	56
74	Remarkable Solvent-Dependent Excited-State Chirality:â€‰ A Molecular Modulator of Circularly Polarized Luminescence. Journal of the American Chemical Society, 2003, 125, 15659-15665.	13.7	55
75	Synthesis and Characterization of Long Perylenediimide Polymer Fibers:â€‰ From Bulk to the Single-Molecule Level. Journal of Physical Chemistry B, 2006, 110, 7803-7812.	2.6	55
76	Infrared Detectors with Poly(3,4-ethylenedioxy thiophene)/Poly(styrene sulfonic acid) (PEDOT/PSS) as the Active Material. Advanced Materials, 2003, 15, 613-616.	21.0	53
77	Fractal-like Self-Assembly of Oligo(p-phenylene vinylene) Capped Gold Nanoparticles. Journal of the American Chemical Society, 2006, 128, 686-687.	13.7	53
78	Enantioselective Quenching of Luminescence:Â Molecular Recognition of Chiral Lanthanide Complexes by Biomolecules in Solution. Journal of Physical Chemistry A, 2001, 105, 4589-4599.	2.5	52
79	Molecular Design Principles for Achieving Strong Chiroptical Properties of Fluorene Copolymers in Thin Films. Chemistry of Materials, 2019, 31, 6633-6641.	6.7	52
80	Chiroptical properties of chiral-substituted polyfluorenes. Synthetic Metals, 2000, 111-112, 575-577.	3.9	51
81	Thiophene Rings Improve the Device Performance of Conjugated Polymers in Polymer Solar Cells with Thick Active Layers. Advanced Energy Materials, 2017, 7, 1700519.	19.5	49
82	Analysis of enantioselective quenching of tris(2,6-pyridinedicarboxylate)terbate(3-) luminescence by resolved tris(1,10-phenanthroline)ruthenium(2+) in methanol and in water. The Journal of Physical Chemistry, 1992, 96, 1112-1120.	2.9	48
83	Hydrogenâ^'Deuterium Exchange of Streptavidin and Its Complex with Biotin Studied by 2D-Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. Journal of the American Chemical Society, 1999, 121, 5115-5122.	13.7	48
84	Robust Angular Anisotropy of Circularly Polarized Luminescence from a Single Twisted-Bipolar Polymeric Microsphere. Journal of the American Chemical Society, 2021, 143, 8772-8779.	13.7	47
85	Ionic strength dependence of the enantioselective quenching of tris(2,6-pyridinedicarboxylate)terbium(3-) luminescence by resolved tris(1,10-phenanthroline)ruthenium(2+). The Journal of Physical Chemistry, 1992, 96, 5725-5733.	2.9	44
86	Towards supramolecular electronics. Synthetic Metals, 2004, 147, 43-48.	3.9	44
87	Spectroscopic characterization of p-phenylene vinylene (PV) oligomers. Part I: A homologous series of 2,5-diheptyloxy substituted PV-oligomers. Chemical Physics, 2003, 294, 1-15.	1.9	43
88	Singlet-energy transfer in quadruple hydrogen-bonded oligo(p-phenylenevinylene)perylene-diimide dyads. Organic and Biomolecular Chemistry, 2003, 1, 198-203.	2.8	43
89	Disk micelles from amphiphilic Janus gold nanoparticles. Chemical Communications, 2008, , 697-699.	4.1	42
90	Phosphorescent Resonant Energy Transfer between Iridium Complexes. Journal of Physical Chemistry A, 2007, 111, 1381-1388.	2.5	40

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91	Photoluminescence quenching in films of conjugated polymers by electrochemical doping. Physical Review B, 2014, 89, .	3.2	40
92	Circular Differential Scattering of Light in Films of Chiral Polyfluorene. Journal of Physical Chemistry B, 2007, 111, 5124-5131.	2.6	39
93	Electronic Structure and Optical Properties of Mixed Phenylene Vinylene/Phenylene Ethynylene Conjugated Oligomers. Chemistry of Materials, 2002, 14, 1362-1368.	6.7	38
94	Analysis of the vibronic fine structure in circularly polarized emission spectra from chiral molecular aggregates. Journal of Chemical Physics, 2004, 120, 10594-10604.	3.0	38
95	Resistive Switching in Organic Memories with a Spin-Coated Metal Oxide Nanoparticle Layer. Journal of Physical Chemistry C, 2008, 112, 5254-5257.	3.1	38
96	Dual-emissive quantum dots for multispectral intraoperative fluorescence imaging. Biomaterials, 2010, 31, 6823-6832.	11.4	38
97	Photoinduced Multistep Energy and Electron Transfer in an Oligoanilineâ^'Oligo(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	37
98	The Mechanism of Long-Range Exciton Diffusion in a Nematically Organized Porphyrin Layer. Journal of the American Chemical Society, 2008, 130, 12496-12500.	13.7	37
99	The Mechanism of Dedoping PEDOT:PSS by Aliphatic Polyamines. Journal of Physical Chemistry C, 2019, 123, 24328-24337.	3.1	37
100	EDOT-Type Materials: Planar but Not Rigid. Journal of Physical Chemistry A, 2008, 112, 13282-13286.	2.5	36
101	Optical modulation of nano-gap tunnelling junctions comprising self-assembled monolayers of hemicyanine dyes. Nature Communications, 2016, 7, 11749.	12.8	35
102	Charge Transfer Kinetics in Fullereneâ^'Oligomerâ^'Fullerene Triads Containing Alkylpyrrole Units. Journal of Physical Chemistry A, 2003, 107, 6218-6224.	2.5	34
103	Spectroscopic characterization of p-phenylene vinylene (PV) oligomers. Part II: Selected 2,5-diheptyl substituted PV-oligomers. Chemical Physics, 2003, 294, 17-30.	1.9	33
104	Photoinduced Multistep Electron Transfer in an Oligoanilineâ^'Oligo(p-phenylene Vinylene)â^'Perylene Diimide Molecular Array. Journal of Physical Chemistry A, 2004, 108, 8201-8211.	2.5	33
105	Solvent Mediated Intramolecular Photoinduced Electron Transfer in a Fluorene-Perylene Bisimide Derivative. Journal of Physical Chemistry A, 2006, 110, 12363-12371.	2.5	33
106	Circular Polarization of Luminescence as a Tool To Study Molecular Dynamical Processes. ChemPhotoChem, 2022, 6, .	3.0	33
107	Photoinduced charge and energy transfer in dye-doped conjugated polymers. Thin Solid Films, 2006, 511-512, 581-586.	1.8	32
108	Consequences of Chirality in Directing the Pathway of Cholesteric Helix Inversion of Ï€â€Conjugated Polymers by Light. Advanced Materials, 2021, 33, e2005720.	21.0	32

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109	Thermally Induced Transient Absorption of Light by Poly(3,4-ethylenedioxythiophene):Poly(styrene) Tj ETQq1 1 0.784314 rgBT /Overlock Functional Materials, 2003, 13, 805-810.	14.9	31
110	Surface Modification of Zinc Oxide Nanoparticles Influences the Electronic Memory Effects in ZnOâ˜Polystyrene Diodes. Journal of Physical Chemistry C, 2007, 111, 10150-10153.	3.1	30
111	Nonequilibrium site distribution governs charge-transfer electroluminescence at disordered organic heterointerfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23416-23425.	7.1	29
112	Interchromophoric Coupling in Oligo(p-phenylenevinylene)-Substituted Poly(propyleneimine) Dendrimers. Journal of Physical Chemistry A, 2001, 105, 10220-10229.	2.5	28
113	Triplet formation from the charge-separated state in blends of MDMO-PPV with cyano-containing acceptor polymers. Thin Solid Films, 2006, 511-512, 333-337.	1.8	28
114	Circular Selective Reflection of Light Proving Cholesteric Ordering in Thin Layers of Chiral Fluorene Polymers. Journal of Physical Chemistry Letters, 2011, 2, 1497-1501.	4.6	28
115	Insights from Chiral Polyfluorene on the Unification of Molecular Exciton and Cholesteric Liquid Crystal Theories for Chiroptical Phenomena. Journal of Physical Chemistry A, 2012, 116, 1121-1128.	2.5	28
116	Circular Dichroism Probed by Two-Photon Fluorescence Microscopy in Enantiopure Chiral Polyfluorene Thin Films. Journal of the American Chemical Society, 2012, 134, 5832-5835.	13.7	28
117	Amplifying Chiroptical Properties of Conjugated Polymer Thin-Film Using an Achiral Additive. Macromolecules, 2018, 51, 5883-5890.	4.8	28
118	Molecular recognition in bisurea thermoplastic elastomers studied with pyrene-based fluorescent probes and atomic force microscopy. Chemical Communications, 2008, , 3915.	4.1	27
119	The effect of oxygen on the efficiency of planar pâ€“iâ€“n metal halide perovskite solar cells with a PEDOT:PSS hole transport layer. Journal of Materials Chemistry A, 2018, 6, 6882-6890.	10.3	27
120	Thermodynamics of the enantioselective quenching of tris(2,6-pyridinedicarboxylate)terbate(3-) luminescence by resolved tris(1,10-phenanthroline)ruthenium(2+). The Journal of Physical Chemistry, 1993, 97, 3875-3884.	2.9	26
121	Energy Transfer and Polarized Emission in Cadmium Selenide Nanocrystal Solids with Mixed Dimensionality. Advanced Functional Materials, 2007, 17, 3829-3835.	14.9	26
122	Synthesis and Optical Properties of Pyrrolo[3,2-b]pyrrole-2,5(1H,4H)-dione (iDPP)-Based Molecules. Journal of Physical Chemistry A, 2013, 117, 2782-2789.	2.5	26
123	Ligand exchange as a tool to improve quantum dot miscibility in polymer composite layers used as luminescent down-shifting layers for photovoltaic applications. Journal of Materials Chemistry C, 2016, 4, 5747-5754.	5.5	26
124	Pitch and Handedness of the Cholesteric Order in Films of a Chiral Alternating Fluorene Copolymer. Journal of Physical Chemistry B, 2017, 121, 11520-11527.	2.6	26
125	Effect of Light-Induced Halide Segregation on the Performance of Mixed-Halide Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 6650-6658.	5.1	26
126	Resistive switching in nanostructured thin films. Applied Physics Letters, 2009, 94, .	3.3	25

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127	Time-Resolved Polarization of Luminescence Spectroscopy: An Accurate and Versatile Digital Instrument for the Sub-Î¼s Time Domain. Applied Spectroscopy, 1993, 47, 731-740.	2.2	24
128	Chiral Recognition between Dissymmetric Tb- and Eu(pyridine-2,6-dicarboxylate)33-Complexes and Fe(III) Proteins in Aqueous Solution. Luminescence Quenching by Cytochromecfrom Horse Heart and Cytochromec-550 fromThiobacillus versutusand Its Lys14 â†' Glu and Lys99 â†' Glu Mutants. The Journal of Physical Chemistry, 1996, 100, 17957-17969.	2.9	24
129	Time delayed collection field experiments on polymer: Fullerene bulk-heterojunction solar cells. Journal of Applied Physics, 2006, 100, 074509.	2.5	24
130	The chiroptical properties of chiral substituted poly[3-((3S)-3,7-dimethyloctyl)thiophene] as a function of film thickness. Chemical Physics Letters, 2007, 437, 193-197.	2.6	24
131	Using circularly polarized luminescence to probe exciton coherence in disordered helical aggregates. Journal of Chemical Physics, 2008, 129, 024704.	3.0	24
132	Route towards huge magnetoresistance in doped polymers. Physical Review B, 2012, 86, .	3.2	24
133	Self-assembly of amphiphilic gold nanoparticles decorated with a mixed shell of oligo(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlo	6.7	23
134	Intramolecular Excimer Formation between 3,6-Di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione Chromophoric Groups Linked by a Flexible Alkyl Spacer. Journal of Physical Chemistry A, 2013, 117, 4828-4837.	2.5	23
135	Increasing the horizontal orientation of transition dipole moments in solution processed small molecular emitters. Journal of Materials Chemistry C, 2017, 5, 6555-6562.	5.5	22
136	Comparison of the enantioselective quenching of the luminescence of dysprosium(III) and terbium(III) tris complexes of 2,6-pyridinedicarboxylate by resolved ruthenium(1,10-phenanthroline)32+. The Journal of Physical Chemistry, 1993, 97, 13519-13526.	2.9	21
137	Binding of Vitamin B12and B12ato an Antibody and to Haptocorrin Probed by Enantioselective Quenching of Tb(pyridine-2,6-dicarboxylate)33-Luminescence. Journal of the American Chemical Society, 1998, 120, 6413-6414.	13.7	21
138	Intensive Chiroptical Properties of Chiral Polyfluorenes Associated with Fibril Formation. Journal of Physical Chemistry B, 2009, 113, 14047-14051.	2.6	21
139	Linearly polarized luminescence spectra of Eu(2,6-pyridine-dicarboxylate)3â^'3 in hydroxylic solution. Chemical Physics Letters, 1993, 216, 241-246.	2.6	20
140	Î² Phase in Chiral Polyfluorene Forms via a Precursor. Macromolecules, 2009, 42, 4220-4223.	4.8	20
141	Tuning the Optical Characteristics of Diketopyrrolopyrrole Molecules in the Solid State by Alkyl Side Chains. Journal of Physical Chemistry C, 2020, 124, 25229-25238.	3.1	20
142	Synthesis and properties of Î±,Ï‰-phenyl-capped bithiophene derivatives. Journal of Materials Chemistry, 2006, 16, 4335-4342.	6.7	17
143	Trapping of electrons in metal oxide-polymer memory diodes in the initial stage of electroforming. Applied Physics Letters, 2010, 97, .	3.3	17
144	Evidence for space-charge-limited conduction in organic photovoltaic cells at open-circuit conditions. Physical Review B, 2013, 87, .	3.2	17

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145	Lithium fluoride injection layers can form quasi-Ohmic contacts for both holes and electrons. Applied Physics Letters, 2014, 105, 123302.	3.3	17
146	Transition dipole moment orientation in films of solution processed fluorescent oligomers: investigating the influence of molecular anisotropy. Journal of Materials Chemistry C, 2016, 4, 6302-6308.	5.5	17
147	Improving Performance of Allâ€Polymer Solar Cells Through Backbone Engineering of Both Donors and Acceptors. Solar Rrl, 2018, 2, 1800247.	5.8	17
148	Enantioselective excited-state quenching of racemic Tb (III) and Eu (III) Tris (pyridine-2,6-dicarboxylate) by vitamin B12 derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 1857-1874.	3.9	16
149	Photoinduced singlet and triplet energy transfer in fullereneâ€“oligothiopheneâ€“fullerene triads. Synthetic Metals, 2001, 116, 123-127.	3.9	16
150	Charge Transfer in Supramolecular Coaggregates of Oligo(p-Phenylene Vinylene) and Perylene Bisimide in Water. ChemPhysChem, 2005, 6, 2029-2031.	2.1	16
151	Electro-optical studies on MDMO-PPV:PCBM bulk-heterojunction solar cells on the millisecond time scale: Trapped carriers. Organic Electronics, 2006, 7, 213-221.	2.6	16
152	Low-Frequency Diffusion Noise in Resistive-Switching Memories Based on Metalâ€“Oxide Polymer Structure. IEEE Transactions on Electron Devices, 2012, 59, 2483-2487.	3.0	16
153	Effect of Applied Hydrostatic Pressure on the Enantioselective Quenching of the Luminescence fromrac-Tris(2,6-pyridinedicarboxylate)terbium(III) by Resolved Tris(1,10-phenanthroline)ruthenium(II) in Water and Methanol. Journal of Physical Chemistry A, 1998, 102, 4450-4455.	2.5	15
154	Spontaneous Formation of Left- and Right-Handed Cholesterically Ordered Domains in an Enantiopure Chiral Polyfluorene Film. Journal of Physical Chemistry Letters, 2011, 2, 1359-1362.	4.6	15
155	Effect of Charge-Transfer State Energy on Charge Generation Efficiency via Singlet Fission in Pentaceneâ€“Fullerene Solar Cells. Journal of Physical Chemistry C, 2019, 123, 10253-10261.	3.1	15
156	Intrinsic and extrinsic resistive switching in a planar diode based on silver oxide nanoparticles. Thin Solid Films, 2012, 522, 407-411.	1.8	14
157	pH dependence of the enantioselective excited-state quenching of Î›,Î”-Tb(III) and Î›,Î”-Eu(III)tris(pyridine-2,6-dicarboxylate) chelates by ferricytochrome c from horse heart and ferricytochrome c-550 from Paracoccus versutus. Journal of Biological Inorganic Chemistry, 1998, 3, 463-469.	2.6	13
158	Enantioselective outer-sphere complexation of lanthanide(III) tris (pyridine-2,6-dicarboxylate) chelates with vitamin B12 derivatives. An NMR and CD study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 1837-1855.	3.9	13
159	Switching dynamics in non-volatile polymer memories. Organic Electronics, 2008, 9, 829-833.	2.6	13
160	Opto-electronic characterization of electron traps upon forming polymer oxide memory diodes. Applied Physics Letters, 2011, 99, .	3.3	13
161	Ferroelectric switching and electrochemistry of pyrrole substituted trialkylbenzene-1,3,5-tricarboxamides. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 673-683.	2.1	13
162	Photoâ€Imprinting of the Helical Organization in Liquidâ€Crystal Networks Using Achiral Monomers and Circularly Polarized Light. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13

#	Article	IF	Citations
163	Stimulation of electrical conductivity in a Ï€-conjugated polymeric conductor with infrared light. Journal of Applied Physics, 2002, 92, 7041-7050.	2.5	12
164	Photoinduced absorption spectroscopy on MDMO-PPV:PCBM solar cells under operation. Organic Electronics, 2007, 8, 325-335.	2.6	12
165	Photophysics of Self-Assembled Monolayers of a Ï€-Conjugated Quinquethiophene Derivative. Journal of Physical Chemistry A, 2012, 116, 7645-7650.	2.5	12
166	The Role of Photon Energy in Free Charge Generation in Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2014, 4, 1400416.	19.5	12
167	Solvent-Induced Galvanoluminescence of Metalâ€“Organic Framework Electroluminescent Diodes. Journal of Physical Chemistry C, 2016, 120, 11045-11048.	3.1	12
168	Tuning the donorâ€“acceptor interactions in phase-segregated block molecules. Materials Horizons, 2022, 9, 294-302.	12.2	12
169	Polarized Absorption and Phosphorescence Spectra and Magnetic Circular Dichroism of Dithioimides: Assignment of the Lower 1n.pi. and 3n.pi. States. The Journal of Physical Chemistry, 1995, 99, 1134-1142.	2.9	11
170	Anisotropic Dielectric Tensor for Chiral Polyfluorene at Optical Frequencies. Journal of Physical Chemistry B, 2009, 113, 14165-14171.	2.6	11
171	Low-frequency noise as a diagnostic tool for OLED reliability. , 2013, , .		11
172	The role of internal structure in the anomalous switching dynamics of metal-oxide/polymer resistive random access memories. Journal of Applied Physics, 2013, 113, .	2.5	11
173	Reflection of light by anisotropic molecular crystals including exciton-polaritons and spatial dispersion. Journal of Chemical Physics, 2016, 145, 194703.	3.0	11
174	Flexible Nanoporous Liquid Crystal Networks as Matrixes for FÃ¶rster Resonance Energy Transfer (FRET). ACS Applied Nano Materials, 2020, 3, 3904-3909.	5.0	11
175	Helicity Control in the Aggregation of Achiral Squaraine Dyes in Solution and Thin Films. Chemistry - A European Journal, 2021, 27, 298-306.	3.3	11
176	Application of circularly polarized luminescence spectroscopy to the solution structure of racemic polyaminocarboxylate lanthanide (III) complexes. Journal of Luminescence, 1994, 62, 17-23.	3.1	10
177	Effect of pressure on the enantioselective quenching of the luminescence from rac-tris(2,6-pyridinecarboxylato)terbium(III) by resolved tris(1,10-phenanthroline)ruthenium(II). Chemical Communications, 1996, , 2457.	4.1	10
178	Role of Hole Injection in Electroforming of LiF-Polymer Memory Diodes. Journal of Physical Chemistry C, 2012, 116, 12443-12447.	3.1	10
179	Carrier Recombination in Polymer Fullerene Solar Cells Probed by Reversible Exchange of Charge between the Active Layer and Electrodes Induced by a Linearly Varying Voltage. Journal of Physical Chemistry C, 2013, 117, 3210-3220.	3.1	10
180	Bulk photovoltaic effect in an organic polar crystal. Chemical Communications, 2014, 50, 6530.	4.1	10

#	Article	IF	Citations
181	Unipolar resistive switching in metal oxide/organic semiconductor non-volatile memories as a critical phenomenon. Journal of Applied Physics, 2015, 118, .	2.5	10
182	Electrical conduction of LiF interlayers in organic diodes. Journal of Applied Physics, 2015, 117, .	2.5	10
183	Photoâ€controlled alignment and helical organization in mainâ€chain liquid crystalline alternating polymers. Journal of Polymer Science, 2021, 59, 1131-1141.	3.8	10
184	Photoinduced energy and electron transfer in a C60â€“6Tâ€“C60 triad. Synthetic Metals, 2001, 121, 1597-1598.	3.9	9
185	Anomalous temperature dependence of the current in a metal-oxide-polymer resistive switching diode. Journal Physics D: Applied Physics, 2011, 44, 025103.	2.8	9
186	Photovoltaic Effect in Self-Assembled Molecular Monolayers on Gold: Influence of Orbital Energy Level Alignment on Short-Circuit Current Generation. Journal of Physical Chemistry C, 2013, 117, 16820-16829.	3.1	9
187	Sudden death of organic light-emitting diodes. Organic Electronics, 2015, 20, 89-96.	2.6	9
188	Synthesis of optically pure 3-(1n.pi.*)-(1S,6R)-bicyclo[4.4.0]decane-3,8-dione, a molecule which is chiral in the excited state only. Journal of the American Chemical Society, 1994, 116, 5129-5133.	13.7	8
189	Type I blue copper proteins as enantioselective quenchers of the photoluminescence of Î”,Î›-Eu(pyridine-2,6-dicarboxylate)3 3â€“: azurin from Pseudomonas aeruginosa and its Met44â†'Lys mutant, amicyanin from Paracoccus versutus and parsley plastocyanin. Journal of Biological Inorganic Chemistry, 1998, 3, 663-670.	2.6	8
190	Exciton coupling in oligothiophenes: A combined experimental/theoretical study. Synthetic Metals, 1999, 102, 912-913.	3.9	8
191	Relation between the Electronic Properties of Regioregular Donorâ€“Acceptor Terpolymers and Their Binary Copolymers. Journal of Physical Chemistry C, 2020, 124, 3503-3516.	3.1	8
192	Analysis of delayed luminescence from some quenchers of Tb(DPA)3â^'3 emission: proof for an energy transfer quenching mechanism. Journal of Alloys and Compounds, 1997, 250, 332-335.	5.5	7
193	Picosecond energy transfer in oligo(p-phenylene vinylene) capped gold nanoparticles. Chemical Physics Letters, 2007, 433, 340-344.	2.6	7
194	Large Photoinduced Circular Dichroism in Chiral Polyfluorene. Journal of Physical Chemistry A, 2009, 113, 10891-10894.	2.5	7
195	Supramolecular Systems Containing Bâ€“N Frustrated Lewis Pairs of Tris(pentafluorophenyl)borane and Triphenylamine Derivatives. Organic Materials, 2021, 03, 174-183.	2.0	7
196	Consequences of chirality on the response of materials. Materials Advances, 2022, 3, 2324-2336.	5.4	7
197	Non-linearity in the Iâ€“V characteristic of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonic acid) (PEDOT:PSS) due to Joule heating. Organic Electronics, 2004, 5, 207-211.	2.6	6
198	Space charge limitation on the response time of organic photodiodes. Organic Electronics, 2016, 34, 218-222.	2.6	6

#	Article	IF	Citations
199	Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. ACS Omega, 2018, 3, 2673-2682.	3.5	6
200	Extrinsic Influences on Photoluminescence Spectral Lineshape in Thin Films. Advanced Optical Materials, 2021, 9, 2001997.	7.3	6
201	Relaxation of excitons and charge carriers in polymers. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 321-328.	2.9	5
202	Atomic Force Microscopy Nanomanipulation of Shape Persistent, Spherical, Self-Assembled Aggregates of Gold Nanoparticles. ACS Nano, 2010, 4, 6501-6508.	14.6	5
203	Relation between the electroforming voltage in alkali halide-polymer diodes and the bandgap of the alkali halide. Applied Physics Letters, 2014, 105, 233502.	3.3	5
204	Effects of fluorination and thermal annealing on charge recombination processes in polymer bulk-heterojunction solar cells. Journal of Materials Chemistry A, 2018, 6, 19520-19531.	10.3	5
205	Delayed Fluorescence in Perhydrotriphenyleneâ€“Oligothiophene Inclusion Compounds: Evidence for Molecular Oxygen-Related Excited States. Journal of Physical Chemistry A, 2011, 115, 7966-7971.	2.5	4
206	Reversible post-breakdown conduction in aluminum oxide-polymer capacitors. Applied Physics Letters, 2013, 102, 153509.	3.3	4
207	Photovoltaic action in a self-assembled monolayer of hemicyanine dyes on gold from dissociation of surface plasmons. Applied Physics Letters, 2015, 106, 183303.	3.3	4
208	Non-volatile memory device using a polymer modified nanocrystal. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1552-1555.	3.5	3
209	Reflection and extinction of light by self-assembled monolayers of a quinque-thiophene derivative: A coherent scattering approach. Journal of Chemical Physics, 2016, 144, 214302.	3.0	2
210	PLASTIC INFRARED DETECTORS BASED ON POLY(3,4-ETHYLENEDIOXYTHIOPHENE):POLY(STYRENE SULFONIC) Tj ETQq0 0 0 rgBT /Overl	1.9	1
211	Monte-Carlo simulations of geminate electron-hole pair dissociation in a molecular heterojunction. , 2005, , .		1
212	An efficient zero-order description of the fine structure in the infrared reflection band of cubic ionic crystals and the phonon-polariton dispersion using Lorentz gauge. Journal of Chemical Physics, 2018, 148, 114703.	3.0	1
213	Resistive Switching in Metal Oxide/Organic Semiconductor Nonvolatile Memories. , 0, , .		1
214	Investigation of Exciton Coupling in Oligothiophenes by Circular Dichroism Spectroscopy. , 1998, 10, 1343.		1
215	Chiroptical Properties of an Optically Pure Dicopper(I) Trefoil Knot and Its Enantioselectivity in Luminescence Quenching Reactions. Chemistry - A European Journal, 2000, 6, 2129-2134.	3.3	1
216	Competition between Circularly Polarized Light and Molecular Chirality in the Assembly of Main-chain Liquid Crystalline Polymers. Chemistry Letters, 2022, 51, 713-715.	1.3	1

#	Article	IF	Citations
217	Exciplex dynamics in a conjugated polymer blend of MDMO-PPV and PCNEPV. , 2005, , .		0
218	Electronic Memory Effects in Zinc Oxide Nanoparticle -Polystyrene Devices with a Calcium Top Electrode. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
219	Switching speed in Resistive Random Access Memories (RRAMS) based on plastic semiconductor. Materials Research Society Symposia Proceedings, 2011, 1337, 27.	0.1	0
220	Charge trapping at the polymer-metal oxide interface as a first step in the electroforming of organic-inorganic memory diodes. Proceedings of SPIE, 2015, , .	0.8	0
221	Electroforming Process in Metal-Oxide-Polymer Resistive Switching Memories. International Federation for Information Processing, 2012, , 527-534.	0.4	0