

Christopher J Bardeen

List of Publications by Year in descending order

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178
papers

10,597
citations

25034

57
h-index

36028

97
g-index

185
all docs

185
docs citations

185
times ranked

10007
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Solid-State triplet-triplet annihilation up-conversion electroluminescence device by incorporating intermolecular intersystem-crossing dark sensitizer. <i>Chemical Engineering Journal</i> , 2022, 427, 130889.	12.7	15
2	Correlating Reaction Dynamics and Size Change during the Photomechanical Transformation of 9-Methylantracene Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	21
3	Correlating Reaction Dynamics and Size Change during the Photomechanical Transformation of 9-Methylantracene Single Crystals. <i>Angewandte Chemie</i> , 2022, 134, e202114089.	2.0	6
4	Using Small Molecule Absorbers to Create a Photothermal Wax Motor. <i>Small</i> , 2022, 18, e2105356.	10.0	6
5	Structure and photophysics of rubrene-tetracene blends. <i>Electronic Structure</i> , 2022, 4, 014002.	2.8	1
6	InnenrÄ¼cktitelbild: Correlating Reaction Dynamics and Size Change during the Photomechanical Transformation of 9-Methylantracene Single Crystals (<i>Angew. Chem.</i> 2/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
7	Photomechanical Structures Based on Porous Alumina Templates Filled with 9-Methylantracene Nanowires. <i>Crystals</i> , 2022, 12, 808.	2.2	1
8	Light-Powered Autonomous Flagella-Like Motion of Molecular Crystal Microwires. <i>Angewandte Chemie</i> , 2021, 133, 2444-2453.	2.0	26
9	Light-Powered Autonomous Flagella-Like Motion of Molecular Crystal Microwires. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2414-2423.	13.8	42
10	Bridging photochemistry and photomechanics with NMR crystallography: the molecular basis for the macroscopic expansion of an anthracene ester nanorod. <i>Chemical Science</i> , 2021, 12, 453-463.	7.4	23
11	Effect of halogen substitution on energies and dynamics of reversible photomechanical crystals based on 9-anthracenecarboxylic acid. <i>CrystEngComm</i> , 2021, 23, 5931-5943.	2.6	14
12	Optimizing pulsed-laser ablation production of AlCl molecules for laser cooling. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22785-22793.	2.8	3
13	Controlling ultralong room temperature phosphorescence in organic compounds with sulfur oxidation state. <i>Chemical Science</i> , 2021, 12, 188-195.	7.4	32
14	Synthesis and Photophysical Properties of Soluble N-Doped Rubicenes via Ruthenium-Catalyzed Transfer Hydrogenative Benzannulation. <i>Chemistry - A European Journal</i> , 2021, 27, 4898-4902.	3.3	9
15	Transition of		
16	Vacancy control in acene blends links exothermic singlet fission to coherence. <i>Nature Communications</i> , 2021, 12, 5149.	12.8	9
17	Reversible Adhesion Switching Using Spiropyran Photoisomerization in a High Glass Transition Temperature Polymer. <i>Macromolecules</i> , 2021, 54, 9319-9326.	4.8	15
18	Chemical Tuning of Exciton versus Charge-Transfer Excited States in Conformationally Restricted Arylene Cages. <i>Journal of the American Chemical Society</i> , 2021, 143, 18548-18558.	13.7	8

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19	Innenrücktitelbild: Light-Powered Autonomous Flagella-Like Motion of Molecular Crystal Microwires (Angew. Chem. 5/2021). Angewandte Chemie, 2021, 133, 2739-2739.	2.0	0
20	Excitons: Energetics and spatiotemporal dynamics. Journal of Chemical Physics, 2021, 155, 200401.	3.0	3
21	Effects of Template and Molecular Nanostructure on the Performance of Organic-Inorganic Photomechanical Actuator Membranes. Advanced Functional Materials, 2020, 30, 1902396.	14.9	12
22	Heterogeneous kinetics of photoinduced cross-linking of silica nanoparticles with surface-tethered anthracenes. Chemical Physics Letters, 2020, 741, 137059.	2.6	0
23	Symmetry Breaking and Photomechanical Behavior of Photochromic Organic Crystals. Symmetry, 2020, 12, 1478.	2.2	9
24	Thickness-Dependent Exciton Dynamics in Thermally Evaporated Rubrene Thin Films. Journal of Physical Chemistry C, 2020, 124, 25729-25737.	3.1	4
25	Frontiers in hybrid and interfacial materials chemistry research. MRS Bulletin, 2020, 45, 951-964.	3.5	6
26	Molecular Crystal Microcapsules: Formation of Sealed Hollow Chambers via Surfactant-Mediated Growth. Angewandte Chemie - International Edition, 2020, 59, 23035-23039.	13.8	17
27	Molecular Crystal Microcapsules: Formation of Sealed Hollow Chambers via Surfactant-Mediated Growth. Angewandte Chemie, 2020, 132, 23235-23239.	2.0	7
28	Mechanical Properties and Photomechanical Fatigue of Macro- and Nanodimensional Diarylethene Molecular Crystals. Nano Letters, 2020, 20, 6744-6749.	9.1	22
29	Using light intensity to control reaction kinetics and reversibility in photomechanical crystals. Chemical Science, 2020, 11, 9852-9862.	7.4	18
30	Hexagonal Boron Nitride Encapsulation of Organic Microcrystals and Energy-Transfer Dynamics. Journal of Physical Chemistry C, 2020, 124, 21170-21177.	3.1	1
31	Size Dependent Mechanical Properties and Photomechanical Fatigue of Diarylethene Molecular Crystals Using Atomic Force Microscopy. Microscopy and Microanalysis, 2020, 26, 2504-2505.	0.4	1
32	Effects of solvent and micellar encapsulation on the photostability of avobenzone. Photochemical and Photobiological Sciences, 2020, 19, 390-398.	2.9	14
33	Shaping Organic Microcrystals Using Focused Ion Beam Milling. Crystal Growth and Design, 2020, 20, 1583-1589.	3.0	12
34	Photomechanical molecular crystals and nanowire assemblies based on the [2+2] photodimerization of a phenylbutadiene derivative. Journal of Materials Chemistry C, 2020, 8, 5036-5044.	5.5	49
35	Using temperature dependent fluorescence to evaluate singlet fission pathways in tetracene single crystals. Journal of Chemical Physics, 2020, 153, 234504.	3.0	13
36	Crystal-to-Gel Transformation Stimulated by a Solid-State π Photoisomerization. Angewandte Chemie, 2019, 131, 15575-15580.	2.0	9

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37	Crystal-to-Gel Transformation Stimulated by a Solid-State E ⁺ Z Photoisomerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15429-15434.	13.8	22
38	Photoinduced Deadhesion of a Polymer Film Using a Photochromic Donor-Acceptor Stenhouse Adduct. <i>Macromolecules</i> , 2019, 52, 6311-6317.	4.8	27
39	Time dependent correlations of entangled states with nondegenerate branches and possible experimental realization using singlet fission. <i>Journal of Chemical Physics</i> , 2019, 151, 124503.	3.0	22
40	Photoinduced peeling of molecular crystals. <i>Chemical Communications</i> , 2019, 55, 3709-3712.	4.1	49
41	Using sulfur bridge oxidation to control electronic coupling and photochemistry in covalent anthracene dimers. <i>Chemical Science</i> , 2019, 10, 7561-7573.	7.4	16
42	Unusual concentration dependence of the photoisomerization reaction in donor-acceptor Stenhouse adducts. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1587-1595.	2.9	42
43	Hybrid Organic-Inorganic Photon-Powered Actuators Based on Aligned Diarylethene Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 1016-1022.	6.7	59
44	Photomechanically Induced Magnetic Field Response by Controlling Molecular Orientation in 9-Methylantracene Microcrystals. <i>Angewandte Chemie</i> , 2018, 130, 7198-7202.	2.0	16
45	Photomechanically Induced Magnetic Field Response by Controlling Molecular Orientation in 9-Methylantracene Microcrystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7080-7084.	13.8	40
46	Control of Photomechanical Crystal Twisting by Illumination Direction. <i>Journal of the American Chemical Society</i> , 2018, 140, 4208-4212.	13.7	154
47	Photomechanical motion of diarylethene molecular crystal nanowires. <i>Nanoscale</i> , 2018, 10, 3393-3398.	5.6	28
48	Surfactant-Enhanced Photoisomerization and Photomechanical Response in Molecular Crystal Nanowires. <i>Langmuir</i> , 2018, 34, 1627-1634.	3.5	19
49	Noncovalent Photochromic Polymer Adhesion. <i>Macromolecules</i> , 2018, 51, 2388-2394.	4.8	22
50	Exciton dynamics in heterojunction thin-film devices based on exciplex-sensitized triplet-triplet annihilation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27449-27455.	2.8	16
51	Boosting the Heavy Atom Effect by Cavitand Encapsulation: Room Temperature Phosphorescence of Pyrene in the Presence of Oxygen. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6578-6584.	2.5	16
52	Photon Upconversion in Crystalline Rubrene: Resonant Enhancement by an Interband State. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17632-17642.	3.1	14
53	Protection of Molecular Microcrystals by Encapsulation under Single-Layer Graphene. <i>ACS Omega</i> , 2018, 3, 8129-8134.	3.5	14
54	Exciplex-Sensitized Triplet-Triplet Annihilation in Heterojunction Organic Thin-Film. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10963-10970.	8.0	39

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55	Highly branched photomechanical crystals. <i>Chemical Communications</i> , 2017, 53, 2622-2625.	4.1	45
56	The photophysics of naphthalene dimers controlled by sulfur bridge oxidation. <i>Chemical Science</i> , 2017, 8, 4941-4950.	7.4	13
57	Site selective reading of epigenetic markers by a dual-mode synthetic receptor array. <i>Chemical Science</i> , 2017, 8, 3960-3970.	7.4	30
58	Photoluminescence dynamics in singlet fission chromophore liquid melts. <i>Chemical Physics Letters</i> , 2017, 669, 99-103.	2.6	4
59	Photoinduced Ratchet-Like Rotational Motion of Branched Molecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7073-7076.	13.8	78
60	Characterization of a P-type photomechanical molecular crystal based on the E \leftrightarrow Z photoisomerization of 9-divinylanthracene malonitrile. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8245-8252.	5.5	21
61	Analysis of reaction kinetics in the photomechanical molecular crystal 9-methylanthracene using an extended Finke-Watzky model. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31936-31945.	2.8	45
62	Crystal structure of the meta-stable intermediate in the photomechanical, crystal-to-crystal reaction of 9-tert-butyl anthracene ester. <i>CrystEngComm</i> , 2016, 18, 7319-7329.	2.6	29
63	Photoinduced Ratchet-Like Rotational Motion of Branched Molecular Crystals. <i>Angewandte Chemie</i> , 2016, 128, 7189-7192.	2.0	25
64	Dynamics of Energy Transfer from CdSe Nanocrystals to Triplet States of Anthracene Ligand Molecules. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5883-5889.	3.1	39
65	Photochemical degradation of the UV filter octyl methoxycinnamate in solution and in aggregates. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1607-1616.	2.9	58
66	Synthesis and photophysical properties of a π -face-to-face-stacked tetracene dimer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6523-6531.	2.8	52
67	Chemical reaction method for growing photomechanical organic microcrystals. <i>CrystEngComm</i> , 2015, 17, 8835-8842.	2.6	20
68	Hybrid Molecule-Nanocrystal Photon Upconversion Across the Visible and Near-Infrared. <i>Nano Letters</i> , 2015, 15, 5552-5557.	9.1	284
69	Excited-State Dynamics of Diindenoperylene in Liquid Solution and in Solid Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12856-12864.	3.1	18
70	Ligand Binding to Distinct Sites on Nanocrystals Affecting Energy and Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1709-1713.	4.6	9
71	How Morphology Affects Singlet Fission in Crystalline Tetracene. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1841-1846.	4.6	161
72	Nanocrystal Size and Quantum Yield in the Upconversion of Green to Violet Light with CdSe and Anthracene Derivatives. <i>Chemistry of Materials</i> , 2015, 27, 7503-7507.	6.7	90

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73	Sulfur-Bridged Terthiophene Dimers: How Sulfur Oxidation State Controls Interchromophore Electronic Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 12552-12564.	13.7	37
74	Organic Photomechanical Materials. <i>ChemPhysChem</i> , 2014, 15, 400-414.	2.1	185
75	Promotion of atomic hydrogen recombination as an alternative to electron trapping for the role of metals in the photocatalytic production of H ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7942-7947.	7.1	109
76	The Structure and Dynamics of Molecular Excitons. <i>Annual Review of Physical Chemistry</i> , 2014, 65, 127-148.	10.8	213
77	Mechanism of Photoinduced Bending and Twisting in Crystalline Microneedles and Microribbons Composed of 9-Methylanthracene. <i>Journal of the American Chemical Society</i> , 2014, 136, 6617-6625.	13.7	180
78	Improved Solid-State Photomechanical Materials by Fluorine Substitution of 9-Anthracene Carboxylic Acid. <i>Chemistry of Materials</i> , 2014, 26, 6007-6015.	6.7	64
79	Bringing dark states to light. <i>Nature Materials</i> , 2014, 13, 1001-1003.	27.5	14
80	Observation of Multiple, Identical Binding Sites in the Exchange of Carboxylic Acid Ligands with CdS Nanocrystals.. <i>Nano Letters</i> , 2014, 14, 3382-3387.	9.1	35
81	Dynamics of molecular excitons near a semiconductor surface studied by fluorescence quenching of polycrystalline tetracene on silicon. <i>Chemical Physics Letters</i> , 2014, 601, 33-38.	2.6	35
82	Pressure Dependence of the Forward and Backward Rates of 9- <i>tert</i> -Butylanthracene Dewar Isomerization. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5349-5354.	2.5	8
83	Singlet Fission: From Coherences to Kinetics. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2312-2319.	4.6	123
84	Correlating the excited state relaxation dynamics as measured by photoluminescence and transient absorption with the photocatalytic activity of Au@TiO ₂ core-shell nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1488-1496.	2.8	65
85	Different Rates of Singlet Fission in Monoclinic versus Orthorhombic Crystal Forms of Diphenylhexatriene. <i>Journal of the American Chemical Society</i> , 2013, 135, 17278-17281.	13.7	129
86	Assessing the Potential of Peropyrene as a Singlet Fission Material: Photophysical Properties in Solution and the Solid State. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16802-16810.	3.1	46
87	Magnetic field effects and the role of spin states in singlet fission. <i>Chemical Physics Letters</i> , 2013, 585, 1-10.	2.6	81
88	Magnetic Field Effects on Singlet Fission and Fluorescence Decay Dynamics in Amorphous Rubrene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1224-1236.	3.1	160
89	Probing the Nature of Bandgap States in Hydrogen-Treated TiO ₂ Nanowires. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26821-26830.	3.1	54
90	The Dynamics of Singlet Fission in Crystalline Tetracene and Covalent Analogs. <i>Accounts of Chemical Research</i> , 2013, 46, 1312-1320.	15.6	193

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91	Photoinduced Curling of Organic Molecular Crystal Nanowires. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6889-6893.	13.8	141
92	Excitonic processes in molecular crystalline materials. <i>MRS Bulletin</i> , 2013, 38, 65-71.	3.5	29
93	Dependence of the solid-state photomechanical response of 4-chlorocinnamic acid on crystal shape and size. <i>CrystEngComm</i> , 2012, 14, 7792.	2.6	67
94	The photophysics of the 2,6 dialkoxy anthracenes: Evidence for excited state side-chain conformational relaxation. <i>Journal of Luminescence</i> , 2012, 132, 2997-3003.	3.1	7
95	Time-Resolved Studies of Charge Recombination in the Pyrene/TCNQ Charge-Transfer Crystal: Evidence for Tunneling. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5145-5150.	2.5	29
96	Quantum Beats in Crystalline Tetracene Delayed Fluorescence Due to Triplet Pair Coherences Produced by Direct Singlet Fission. <i>Journal of the American Chemical Society</i> , 2012, 134, 8597-8607.	13.7	244
97	Pressure Catalyzed Bond Dissociation in an Anthracene Cyclophane Photodimer. <i>Journal of the American Chemical Society</i> , 2012, 134, 7459-7466.	13.7	45
98	Active Facets on Titanium(III)-Doped TiO ₂ : An Effective Strategy to Improve the Visible-Light Photocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6223-6226.	13.8	339
99	Fabrication of biologically active surface-modified Taxol nanowires using anodic aluminum oxide templates. <i>RSC Advances</i> , 2011, 1, 884.	3.6	8
100	Solid-state photochemical and photomechanical properties of molecular crystal nanorods composed of anthracene ester derivatives. <i>Journal of Materials Chemistry</i> , 2011, 21, 6258.	6.7	76
101	The Effects of Photochemical and Mechanical Damage on the Excited State Dynamics of Charge-Transfer Molecular Crystals Composed of Tetracyanobenzene and Aromatic Donor Molecules. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1627-1633.	2.5	32
102	Electronic Energy Migration in Solid versus Liquid Host Matrices for Concentrated Perylene-3,4,9,10-tetracarboxylic Dye Solutions. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7574-7581.	2.5	10
103	FRET Detection of Proteins Using Fluorescently Doped Electrospun Nanofibers and Pattern Recognition. <i>Langmuir</i> , 2011, 27, 6401-6408.	3.5	31
104	Magnetic field control of fluorescent polymer nanorods. <i>Nanotechnology</i> , 2011, 22, 455704.	2.6	6
105	Exciton Quenching and Migration in Single Conjugated Polymers. <i>Science</i> , 2011, 331, 544-545.	12.6	26
106	Synthesis and Photocatalytic Properties of a New Heteropolyoxoniobate Compound: K ₁₀ [Nb ₂ O ₇ (H ₂ O) ₂][SiNb ₁₂ O ₄₈]. <i>Journal of the American Chemical Society</i> , 2011, 133, 6934-6937.	14.0	168
107	Crystal Structures and Photophysical Properties of 9-Anthracene Carboxylic Acid Derivatives for Photomechanical Applications. <i>Crystal Growth and Design</i> , 2011, 11, 4975-4983.	3.0	99
108	Reversible Photoinduced Twisting of Molecular Crystal Microribbons. <i>Journal of the American Chemical Society</i> , 2011, 133, 12569-12575.	13.7	254

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109	The dependence of singlet exciton relaxation on excitation density and temperature in polycrystalline tetracene thin films: Kinetic evidence for a dark intermediate state and implications for singlet fission. <i>Journal of Chemical Physics</i> , 2011, 135, 214508.	3.0	159
110	The effects of nanopillar surface texturing on the photoluminescence of polymer films. <i>Journal of Applied Physics</i> , 2010, 108, 033114.	2.5	5
111	Electronic Energy Migration on Different Time Scales: Concentration Dependence of the Time-Resolved Anisotropy and Fluorescence Quenching of Lumogen Red in Poly(methyl methacrylate). <i>Journal of Physical Chemistry A</i> , 2010, 114, 3471-3482.	2.5	62
112	Fluorescence Quenching in Conjugated Polymers Blended with Reduced Graphitic Oxide. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4153-4159.	3.1	101
113	Excited state dynamics in solid and monomeric tetracene: The roles of superradiance and exciton fission. <i>Journal of Chemical Physics</i> , 2010, 133, 144506.	3.0	261
114	Using Two-Photon Excitation to Control Bending Motions in Molecular Crystal Nanorods. <i>Small</i> , 2009, 5, 2902-2909.	10.0	64
115	Application of Nonlinear Optical Microscopy for Imaging Skin. <i>Photochemistry and Photobiology</i> , 2009, 85, 33-44.	2.5	46
116	Formation of Cocrystal Nanorods by Solid-State Reaction of Tetracyanobenzene in 9-Methylanthracene Molecular Crystal Nanorods. <i>Crystal Growth and Design</i> , 2009, 9, 1780-1785.	3.0	21
117	Dendritic and Linear Macromolecular Architectures for Photovoltaics: A Photoinduced Charge Transfer Investigation. <i>Journal of the American Chemical Society</i> , 2009, 131, 2727-2738.	13.7	31
118	Effects of Solvent and Annealing on Photophysical Properties of Polythiophene Photovoltaic Cells. <i>Advanced Science Letters</i> , 2009, 2, 14-20.	0.2	1
119	Template assisted synthesis of silica-coated molecular crystal nanorods: From hydrophobic to hydrophilic nanorods. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 102-107.	9.4	16
120	A Novel Family of Phosphole-Thiophene Oligomers for Optoelectronic Applications. <i>Organometallics</i> , 2008, 27, 5521-5524.	2.3	18
121	Two-photon standing-wave fluorescence correlation spectroscopy. <i>Optics Letters</i> , 2007, 32, 2121.	3.3	5
122	Two-photon standing-wave fluorescence correlation spectroscopy: erratum. <i>Optics Letters</i> , 2007, 32, 3308.	3.3	0
123	Photopolymerization of Organic Molecular Crystal Nanorods. <i>Macromolecules</i> , 2007, 40, 9040-9044.	4.8	39
124	Hierarchical Placement and Associated Optoelectronic Impact of Carbon Nanotubes in Polymer-Fullerene Solar Cells. <i>Nano Letters</i> , 2007, 7, 1973-1979.	9.1	185
125	Using a Streak Camera to Resolve the Motion of Molecular Excited States with Picosecond Time Resolution and 150 nm Spatial Resolution. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12483-12489.	3.1	14
126	Photoluminescence of GaN Nanowires of Different Crystallographic Orientations. <i>Nano Letters</i> , 2007, 7, 626-631.	9.1	79

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127	Exciton Fission and Fusion in Bis(tetracene) Molecules with Different Covalent Linker Structures. <i>Journal of the American Chemical Society</i> , 2007, 129, 14240-14250.	13.7	228
128	The effects of orientational and energetic disorder on Forster energy migration along a one-dimensional lattice. <i>Chemical Physics Letters</i> , 2007, 446, 43-48.	2.6	45
129	Cross-linking of Histone Proteins to DNA by UV Illumination of Chromatin Stained with Hoechst 33342. <i>Photochemistry and Photobiology</i> , 2007, 77, 675-679.	2.5	4
130	Microgravimetric immunosensor for direct detection of aerosolized influenza A virus particles. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 691-699.	7.8	64
131	Effects of Mild Plasma Exposure on the Active-Layer in Polythiophene:Fullerene Bulk-Heterojunction Solar Cells. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2007, 2, 282-286.	0.5	1
132	Using Perylene-Doped Polymer Nanotubes as Fluorescence Sensors. <i>Nano Letters</i> , 2006, 6, 1420-1424.	9.1	19
133	General method for the synthesis of crystalline organic nanorods using porous alumina templates. <i>Chemical Communications</i> , 2006, , 1224.	4.1	59
134	The photophysical properties of chromophores at high (100 mM and above) concentrations in polymers and as neat solids. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3453-3459.	2.8	72
135	Photochemically Driven Shape Changes of Crystalline Organic Nanorods. <i>Journal of the American Chemical Society</i> , 2006, 128, 15938-15939.	13.7	206
136	Dendrimer Analogues of Linear Molecules to Evaluate Energy and Charge-Transfer Properties. <i>Organic Letters</i> , 2006, 8, 2981-2984.	4.6	26
137	Energy and Charge Transfer Dynamics in Fully Decorated Benzyl Ether Dendrimers and Their Disubstituted Analogues. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24331-24339.	2.6	26
138	Light-Harvesting in Carbonyl-Terminated Phenylacetylene Dendrimers: The Role of Delocalized Excited States and the Scaling of Light-Harvesting Efficiency with Dendrimer Size. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19810-19819.	2.6	42
139	Evidence for exciton fission and fusion in a covalently linked tetracene dimer. <i>Chemical Physics Letters</i> , 2006, 421, 518-522.	2.6	124
140	Light Harvesting Dendrimers. <i>Photosynthesis Research</i> , 2006, 87, 133-150.	2.9	105
141	Sunscreen enhancement of UV-induced reactive oxygen species in the skin. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1205-1212.	2.9	182
142	Effect of Guest Molecule Flexibility in Access to Dendritic Interiors. <i>Organic Letters</i> , 2005, 7, 2809-2812.	4.6	29
143	Dependence of the Two-Photon Absorption Cross Section on the Conjugation of the Phenylacetylene Linker in Dipolar Donor-Bridge-Acceptor Chromophores. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9767-9774.	2.5	34
144	Energy and Electron Transfer in Bifunctional Non-Conjugated Dendrimers. <i>Journal of the American Chemical Society</i> , 2005, 127, 373-383.	13.7	139

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145	Probing Every Layer in Dendrons. <i>Journal of the American Chemical Society</i> , 2005, 127, 2020-2021.	13.7	34
146	Using Meta Conjugation To Enhance Charge Separation versus Charge Recombination in Phenylacetylene Donor-Bridge-Acceptor Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 16348-16349.	13.7	97
147	Effects of Sonication on the Size and Crystallinity of Stable Zwitterionic Organic Nanoparticles Formed by Reprecipitation in Water. <i>Langmuir</i> , 2005, 21, 7990-7994.	3.5	72
148	Phosphorescence from iridium complexes doped into polymer blends. <i>Journal of Applied Physics</i> , 2004, 95, 948-953.	2.5	114
149	Exciton Delocalization and Superradiance in Tetracene Thin Films and Nanoaggregates. <i>Physical Review Letters</i> , 2004, 92, 107402.	7.8	228
150	Characterization of Individual Submicron Distyrylbenzene Aggregates Using Temperature-Dependent Picosecond Fluorescence and Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4289-4295.	2.6	29
151	Anomalous Exciton Diffusion in the Conjugated Polymer MEH-PPV Measured Using a Three-Pulse Pump-Dump-Probe Anisotropy Experiment. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10801-10806.	2.5	42
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