Christopher J Bardeen

List of Publications by Year
in descending order

178	10,597	25034	36028
papers	citations	57	97
		h-index	g-index

185	185	185	10007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feedback quantum control of molecular electronic population transfer. Chemical Physics Letters, 1997, 280, 151-158.	2.6	509
2	Active Facets on Titanium(III)â€Doped TiO₂: An Effective Strategy to Improve the Visibleâ€Light Photocatalytic Activity. Angewandte Chemie - International Edition, 2012, 51, 6223-6226.	13.8	339
3	Hybrid Moleculeâ€“Nanocrystal Photon Upconversion Across the Visible and Near-Infrared. Nano Letters, 2015, 15, 5552-5557.	9.1	284
4	Excited state dynamics in solid and monomeric tetracene: The roles of superradiance and exciton fission. Journal of Chemical Physics, 2010, 133, 144506.	3.0	261
5	Reversible Photoinduced Twisting of Molecular Crystal Microribbons. Journal of the American Chemical Society, 2011, 133, 12569-12575.	13.7	254
6	Quantum Beats in Crystalline Tetracene Delayed Fluorescence Due to Triplet Pair Coherences Produced by Direct Singlet Fission. Journal of the American Chemical Society, 2012, 134, 8597-8607.	13.7	244
7	Exciton Delocalization and Superradiance in Tetracene Thin Films and Nanoaggregates. Physical Review Letters, 2004, 92, 107402.	7.8	228
8	Exciton Fission and Fusion in Bis(tetracene) Molecules with Different Covalent Linker Structures. Journal of the American Chemical Society, 2007, 129, 14240-14250.	13.7	228
9	The Structure and Dynamics of Molecular Excitons. Annual Review of Physical Chemistry, 2014, 65, 127-148.	10.8	213
10	Photochemically Driven Shape Changes of Crystalline Organic Nanorods. Journal of the American Chemical Society, 2006, 128, 15938-15939.	13.7	206
11	The Dynamics of Singlet Fission in Crystalline Tetracene and Covalent Analogs. Accounts of Chemical Research, 2013, 46, 1312-1320.	15.6	193
12	Hierarchical Placement and Associated Optoelectronic Impact of Carbon Nanotubes in Polymer-Fullerene Solar Cells. Nano Letters, 2007, 7, 1973-1979.	9.1	185
13	Organic Photomechanical Materials. ChemPhysChem, 2014, 15, 400-414.	2.1	185
14	Sunscreen enhancement of UV-induced reactive oxygen species in the skin. Free Radical Biology and Medicine, 2006, 41, 1205-1212.	2.9	182
15	Mechanism of Photoinduced Bending and Twisting in Crystalline Microneedles and Microribbons Composed of 9-Methylanthracene. Journal of the American Chemical Society, 2014, 136, 6617-6625.	13.7	180
16	Synthesis and Photocatalytic Properties of a New Heteropolyoxoniobate Compound: K₁₀[Nb₂O₂(H₂O)₂][SiNb₁₂O₄₀]·16H₂O. Journal of the American Chemical Society, 2011, 133, 6934-6937.	13.7	176
17	How Morphology Affects Singlet Fission in Crystalline Tetracene. Journal of Physical Chemistry Letters, 2015, 6, 1841-1846.	4.6	161
18	Magnetic Field Effects on Singlet Fission and Fluorescence Decay Dynamics in Amorphous Rubrene. Journal of Physical Chemistry C, 2013, 117, 1224-1236.	3.1	160

#	Article	IF	Citations
19	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. Journal of Chemical Physics, 2011, 135, 214508.	3.0	159
20	Molecular â€œÏ€Pulseâ€•for Total Inversion of Electronic State Population. Physical Review Letters, 1998, 80, 1406-1409.	7.8	155
21	Control of Photomechanical Crystal Twisting by Illumination Direction. Journal of the American Chemical Society, 2018, 140, 4208-4212.	13.7	154
22	Photoinduced Curling of Organic Molecular Crystal Nanowires. Angewandte Chemie - International Edition, 2013, 52, 6889-6893.	13.8	141
23	Energy and Electron Transfer in Bifunctional Non-Conjugated Dendrimers. Journal of the American Chemical Society, 2005, 127, 373-383.	13.7	139
24	Different Rates of Singlet Fission in Monoclinic versus Orthorhombic Crystal Forms of Diphenylhexatriene. Journal of the American Chemical Society, 2013, 135, 17278-17281.	13.7	129
25	Evidence for exciton fission and fusion in a covalently linked tetracene dimer. Chemical Physics Letters, 2006, 421, 518-522.	2.6	124
26	Singlet Fission: From Coherences to Kinetics. Journal of Physical Chemistry Letters, 2014, 5, 2312-2319.	4.6	123
27	Phosphorescence from iridium complexes doped into polymer blends. Journal of Applied Physics, 2004, 95, 948-953.	2.5	114
28	Quantum control of I2 in the gas phase and in condensed phase solid Kr matrix. Journal of Chemical Physics, 1997, 106, 8486-8503.	3.0	111
29	Variable Electronic Coupling in Phenylacetylene Dendrimers:â€‰ The Role of FÃ¶rster, Dexter, and Charge-Transfer Interactions. Journal of Physical Chemistry A, 2004, 108, 671-682.	2.5	111
30	Quantum Control of Population Transfer in Green Fluorescent Protein by Using Chirped Femtosecond Pulses. Journal of the American Chemical Society, 1998, 120, 13023-13027.	13.7	110
31	Promotion of atomic hydrogen recombination as an alternative to electron trapping for the role of metals in the photocatalytic production of H ₂. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7942-7947.	7.1	109
32	Light Harvesting Dendrimers. Photosynthesis Research, 2006, 87, 133-150.	2.9	105
33	Fluorescence Quenching in Conjugated Polymers Blended with Reduced Graphitic Oxide. Journal of Physical Chemistry C, 2010, 114, 4153-4159.	3.1	101
34	Crystal Structures and Photophysical Properties of 9-Anthracene Carboxylic Acid Derivatives for Photomechanical Applications. Crystal Growth and Design, 2011, 11, 4975-4983.	3.0	99
35	Using Meta Conjugation To Enhance Charge Separation versus Charge Recombination in Phenylacetylene Donorâ^'Bridgeâ^'Acceptor Complexes. Journal of the American Chemical Society, 2005, 127, 16348-16349.	13.7	97
36	Quantum Control of NaI Photodissociation Reaction Product States by Ultrafast Tailored Light Pulses. Journal of Physical Chemistry A, 1997, 101, 3815-3822.	2.5	94

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37	Meta-Conjugation and Excited-State Coupling in Phenylacetylene Dendrimers. Journal of the American Chemical Society, 2003, 125, 9288-9289.	13.7	93
38	Nanocrystal Size and Quantum Yield in the Upconversion of Green to Violet Light with CdSe and Anthracene Derivatives. Chemistry of Materials, 2015, 27, 7503-7507.	6.7	90
39	Magnetic field effects and the role of spin states in singlet fission. Chemical Physics Letters, 2013, 585, 1-10.	2.6	81
40	Photoluminescence of GaN Nanowires of Different Crystallographic Orientations. Nano Letters, 2007, 7, 626-631.	9.1	79
41	Wavelength and Temperature Dependence of the Femtosecond Pumpâ^'Probe Anisotropies in the Conjugated Polymer MEH-PPV:Â Implications for Energy-Transfer Dynamics. Journal of Physical Chemistry B, 2004, 108, 4619-4626.	2.6	78
42	Photoinduced Ratchetâ€Like Rotational Motion of Branched Molecular Crystals. Angewandte Chemie - International Edition, 2016, 55, 7073-7076.	13.8	78
43	Solid-state photochemical and photomechanical properties of molecular crystal nanorods composed of anthracene ester derivatives. Journal of Materials Chemistry, 2011, 21, 6258.	6.7	76
44	Chirped pulse enhancement of multiphoton absorption in molecular iodine. Journal of Chemical Physics, 1998, 108, 2309-2313.	3.0	75
45	Effects of Sonication on the Size and Crystallinity of Stable Zwitterionic Organic Nanoparticles Formed by Reprecipitation in Water. Langmuir, 2005, 21, 7990-7994.	3.5	72
46	The photophysical properties of chromophores at high (100 mM and above) concentrations in polymers and as neat solids. Physical Chemistry Chemical Physics, 2006, 8, 3453-3459.	2.8	72
47	Dependence of the solid-state photomechanical response of 4-chlorocinnamic acid on crystal shape and size. CrystEngComm, 2012, 14, 7792.	2.6	67
48	Correlating the excited state relaxation dynamics as measured by photoluminescence and transient absorption with the photocatalytic activity of Au@TiO₂coreâ€“shell nanostructures. Physical Chemistry Chemical Physics, 2013, 15, 1488-1496.	2.8	65
49	Microgravimetric immunosensor for direct detection of aerosolized influenza A virus particles. Sensors and Actuators B: Chemical, 2007, 126, 691-699.	7.8	64
50	Using Twoâ€Photon Excitation to Control Bending Motions in Molecularâ€Crystal Nanorods. Small, 2009, 5, 2902-2909.	10.0	64
51	Improved Solid-State Photomechanical Materials by Fluorine Substitution of 9-Anthracene Carboxylic Acid. Chemistry of Materials, 2014, 26, 6007-6015.	6.7	64
52	Molecular Ï€ pulses: Population inversion with positively chirped short pulses. Journal of Chemical Physics, 2000, 113, 1898-1909.	3.0	62
53	The effects of connectivity, coherence, and trapping on energy transfer in simple light-harvesting systems studied using the Haken-Strobl model with diagonal disorder. Journal of Chemical Physics, 2004, 121, 7813.	3.0	62
54	Electronic Energy Migration on Different Time Scales: Concentration Dependence of the Time-Resolved Anisotropy and Fluorescence Quenching of Lumogen Red in Poly(methyl methacrylate). Journal of Physical Chemistry A, 2010, 114, 3471-3482.	2.5	62

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55	Use of Picosecond Fluorescence Dynamics as an Indicator of Exciton Motion in Conjugated Polymers:Â Dependence on Chemical Structure and Temperature. Journal of Physical Chemistry B, 2001, 105, 11970-11977.	2.6	61
56	General method for the synthesis of crystalline organic nanorods using porous alumina templates. Chemical Communications, 2006, , 1224.	4.1	59
57	Hybrid Organicâ€“Inorganic Photon-Powered Actuators Based on Aligned Diarylethene Nanocrystals. Chemistry of Materials, 2019, 31, 1016-1022.	6.7	59
58	Photochemical degradation of the UV filter octyl methoxycinnamate in solution and in aggregates. Photochemical and Photobiological Sciences, 2015, 14, 1607-1616.	2.9	58
59	Temperature-dependent exciton dynamics in poly(p-phenylene vinylene) measured by femtosecond transient spectroscopy. Chemical Physics Letters, 2001, 342, 555-562.	2.6	55
60	Probing the Nature of Bandgap States in Hydrogen-Treated TiO₂ Nanowires. Journal of Physical Chemistry C, 2013, 117, 26821-26830.	3.1	54
61	Synthesis and photophysical properties of a â€œface-to-faceâ€•stacked tetracene dimer. Physical Chemistry Chemical Physics, 2015, 17, 6523-6531.	2.8	52
62	Photoinduced peeling of molecular crystals. Chemical Communications, 2019, 55, 3709-3712.	4.1	49
63	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
64	Application of Nonlinear Optical Microscopy for Imaging Skin^{â€}. Photochemistry and Photobiology, 2009, 85, 33-44.	2.5	46
65	Assessing the Potential of Peropyrene as a Singlet Fission Material: Photophysical Properties in Solution and the Solid State. Journal of Physical Chemistry C, 2013, 117, 16802-16810.	3.1	46
66	The effects of orientational and energetic disorder on Forster energy migration along a one-dimensional lattice. Chemical Physics Letters, 2007, 446, 43-48.	2.6	45
67	Pressure Catalyzed Bond Dissociation in an Anthracene Cyclophane Photodimer. Journal of the American Chemical Society, 2012, 134, 7459-7466.	13.7	45
68	Analysis of reaction kinetics in the photomechanical molecular crystal 9-methylanthracene using an extended Finkeâ€“Watzky model. Physical Chemistry Chemical Physics, 2016, 18, 31936-31945.	2.8	45
69	Highly branched photomechanical crystals. Chemical Communications, 2017, 53, 2622-2625.	4.1	45
70	Effect of Pulse Shape on the Efficiency of Multiphoton Processes: Implications for Biological Microscopy. Journal of Biomedical Optics, 1999, 4, 362.	2.6	44
71	Anomalous Exciton Diffusion in the Conjugated Polymer MEHâ^'PPV Measured Using a Three-Pulse Pumpâ^'Dumpâ^'Probe Anisotropy Experiment. Journal of Physical Chemistry A, 2004, 108, 10801-10806.	2.5	42
72	Light-Harvesting in Carbonyl-Terminated Phenylacetylene Dendrimers:Â The Role of Delocalized Excited States and the Scaling of Light-Harvesting Efficiency with Dendrimer Sizeâ€. Journal of Physical Chemistry B, 2006, 110, 19810-19819.	2.6	42

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73	Unusual concentration dependence of the photoisomerization reaction in donor-acceptor Stenhouse adducts. Photochemical and Photobiological Sciences, 2019, 18, 1587-1595.	2.9	42
74	Lightâ€Powered Autonomous Flagellaâ€Like Motion of Molecular Crystal Microwires. Angewandte Chemie - International Edition, 2021, 60, 2414-2423.	13.8	42
75	Photomechanically Induced Magnetic Field Response by Controlling Molecular Orientation in 9â€Methylanthracene Microcrystals. Angewandte Chemie - International Edition, 2018, 57, 7080-7084.	13.8	40
76	Photopolymerization of Organic Molecular Crystal Nanorods. Macromolecules, 2007, 40, 9040-9044.	4.8	39
77	Dynamics of Energy Transfer from CdSe Nanocrystals to Triplet States of Anthracene Ligand Molecules. Journal of Physical Chemistry C, 2016, 120, 5883-5889.	3.1	39
78	Exciplex-Sensitized Tripletâ€“Triplet Annihilation in Heterojunction Organic Thin-Film. ACS Applied Materials & Interfaces, 2017, 9, 10963-10970.	8.0	39
79	Sulfur-Bridged Terthiophene Dimers: How Sulfur Oxidation State Controls Interchromophore Electronic Coupling. Journal of the American Chemical Society, 2015, 137, 12552-12564.	13.7	37
80	The optical spectroscopy of poly(p-phenylene vinylene)/polyvinyl alcohol blends: from aggregates to isolated chromophores. Synthetic Metals, 2004, 142, 195-200.	3.9	35
81	Observation of Multiple, Identical Binding Sites in the Exchange of Carboxylic Acid Ligands with CdS Nanocrystals.. Nano Letters, 2014, 14, 3382-3387.	9.1	35
82	Dynamics of molecular excitons near a semiconductor surface studied by fluorescence quenching of polycrystalline tetracene on silicon. Chemical Physics Letters, 2014, 601, 33-38.	2.6	35
83	Dependence of the Two-Photon Absorption Cross Section on the Conjugation of the Phenylacetylene Linker in Dipolar Donorâ€Bridgeâ€Acceptor Chromophores. Journal of Physical Chemistry A, 2005, 109, 9767-9774.	2.5	34
84	Probing Every Layer in Dendrons. Journal of the American Chemical Society, 2005, 127, 2020-2021.	13.7	34
85	Using time-dependent rate equations to describe chirped pulse excitation in condensed phases. Chemical Physics Letters, 1999, 302, 405-410.	2.6	33
86	The Effects of Photochemical and Mechanical Damage on the Excited State Dynamics of Charge-Transfer Molecular Crystals Composed of Tetracyanobenzene and Aromatic Donor Molecules. Journal of Physical Chemistry A, 2011, 115, 1627-1633.	2.5	32
87	Controlling ultralong room temperature phosphorescence in organic compounds with sulfur oxidation state. Chemical Science, 2021, 12, 188-195.	7.4	32
88	Dendritic and Linear Macromolecular Architectures for Photovoltaics: A Photoinduced Charge Transfer Investigation. Journal of the American Chemical Society, 2009, 131, 2727-2738.	13.7	31
89	FRET Detection of Proteins Using Fluorescently Doped Electrospun Nanofibers and Pattern Recognition. Langmuir, 2011, 27, 6401-6408.	3.5	31
90	Site selective reading of epigenetic markers by a dual-mode synthetic receptor array. Chemical Science, 2017, 8, 3960-3970.	7.4	30

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91	Characterization of Individual Submicron Distyrylbenzene Aggregates Using Temperature-Dependent Picosecond Fluorescence and Atomic Force Microscopy. Journal of Physical Chemistry B, 2004, 108, 4289-4295.	2.6	29
92	Effect of Guest Molecule Flexibility in Access to Dendritic Interiors. Organic Letters, 2005, 7, 2809-2812.	4.6	29
93	Time-Resolved Studies of Charge Recombination in the Pyrene/TCNQ Charge-Transfer Crystal: Evidence for Tunneling. Journal of Physical Chemistry A, 2012, 116, 5145-5150.	2.5	29
94	Excitonic processes in molecular crystalline materials. MRS Bulletin, 2013, 38, 65-71.	3.5	29
95	Crystal structure of the meta-stable intermediate in the photomechanical, crystal-to-crystal reaction of 9-tert-butyl anthracene ester. CrystEngComm, 2016, 18, 7319-7329.	2.6	29
96	Photomechanical motion of diarylethene molecular crystal nanowires. Nanoscale, 2018, 10, 3393-3398.	5.6	28
97	Photoinduced Deadhesion of a Polymer Film Using a Photochromic Donorâ€“Acceptor Stenhouse Adduct. Macromolecules, 2019, 52, 6311-6317.	4.8	27
98	Dendrimer Analogues of Linear Molecules to Evaluate Energy and Charge-Transfer Properties. Organic Letters, 2006, 8, 2981-2984.	4.6	26
99	Energy and Charge Transfer Dynamics in Fully Decorated Benzyl Ether Dendrimers and Their Disubstituted Analogues. Journal of Physical Chemistry B, 2006, 110, 24331-24339.	2.6	26
100	Exciton Quenching and Migration in Single Conjugated Polymers. Science, 2011, 331, 544-545.	12.6	26
101	Lightâ€Powered Autonomous Flagellaâ€Like Motion of Molecular Crystal Microwires. Angewandte Chemie, 2021, 133, 2444-2453.	2.0	26
102	Photoinduced Ratchetâ€Like Rotational Motion of Branched Molecular Crystals. Angewandte Chemie, 2016, 128, 7189-7192.	2.0	25
103	Bridging photochemistry and photomechanics with NMR crystallography: the molecular basis for the macroscopic expansion of an anthracene ester nanorod. Chemical Science, 2021, 12, 453-463.	7.4	23
104	Noncovalent Photochromic Polymer Adhesion. Macromolecules, 2018, 51, 2388-2394.	4.8	22
105	Crystalâ€toâ€Gel Transformation Stimulated by a Solidâ€State Eâ†'Z Photoisomerization. Angewandte Chemie - International Edition, 2019, 58, 15429-15434.	13.8	22
106	Time dependent correlations of entangled states with nondegenerate branches and possible experimental realization using singlet fission. Journal of Chemical Physics, 2019, 151, 124503.	3.0	22
107	Mechanical Properties and Photomechanical Fatigue of Macro- and Nanodimensional Diarylethene Molecular Crystals. Nano Letters, 2020, 20, 6744-6749.	9.1	22
108	Formation of Cocrystal Nanorods by Solid-State Reaction of Tetracyanobenzene in 9-Methylanthracene Molecular Crystal Nanorods. Crystal Growth and Design, 2009, 9, 1780-1785.	3.0	21

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109	Characterization of a P-type photomechanical molecular crystal based on the E â†' Z photoisomerization of 9-divinylanthracene malonitrile. Journal of Materials Chemistry C, 2016, 4, 8245-8252.	5.5	21
110	Correlating Reaction Dynamics and Size Change during the Photomechanical Transformation of 9â€Methylanthracene Single Crystals. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
111	The role of long-lived dark states in the photoluminescence dynamics of phenylene vinylene conjugated polymers. Journal of Chemical Physics, 2002, 117, 454-461.	3.0	20
112	Chemical reaction method for growing photomechanical organic microcrystals. CrystEngComm, 2015, 17, 8835-8842.	2.6	20
113	Spectroscopy on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mmultiscripts><mml:mi mathvariant="normal">Î</mml:mi><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts><mml:mo>â†</mml:mo><mml:mi>X</mml:mi><mml:mmultiscripts><mml:mi mathvariant="normal">Î£</mml:mi><mml:none /><mml:mo>+</mml:mo><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> transition of buffer-gas-coole	2.6	20
114	Using Perylene-Doped Polymer Nanotubes as Fluorescence Sensors. Nano Letters, 2006, 6, 1420-1424.	9.1	19
115	Surfactant-Enhanced Photoisomerization and Photomechanical Response in Molecular Crystal Nanowires. Langmuir, 2018, 34, 1627-1634.	3.5	19
116	Rapid Communication Cross-linking of Histone Proteins to DNA by UV Illumination of Chromatin Stained with Hoechst 33342Â¶. Photochemistry and Photobiology, 2003, 77, 675.	2.5	19
117	A Novel Family of Phosphole-Thiophene Oligomers for Optoelectronic Applications. Organometallics, 2008, 27, 5521-5524.	2.3	18
118	Excited-State Dynamics of Diindenoperylene in Liquid Solution and in Solid Films. Journal of Physical Chemistry C, 2015, 119, 12856-12864.	3.1	18
119	Using light intensity to control reaction kinetics and reversibility in photomechanical crystals. Chemical Science, 2020, 11, 9852-9862.	7.4	18
120	Using two-photon standing waves and patterned photobleaching to measure diffusion from nanometers to microns in biological systems. Review of Scientific Instruments, 2002, 73, 2128-2135.	1.3	17
121	The Connection between Chromatin Motion on the 100 nm Length Scale and Core Histone Dynamics in Live XTC-2 Cells and Isolated Nuclei. Biophysical Journal, 2004, 86, 555-564.	0.5	17
122	Molecular Crystal Microcapsules: Formation of Sealed Hollow Chambers via Surfactantâ€Mediated Growth. Angewandte Chemie - International Edition, 2020, 59, 23035-23039.	13.8	17
123	Template assisted synthesis of silica-coated molecular crystal nanorods: From hydrophobic to hydrophilic nanorods. Journal of Colloid and Interface Science, 2008, 327, 102-107.	9.4	16
124	Photomechanically Induced Magnetic Field Response by Controlling Molecular Orientation in 9â€Methylanthracene Microcrystals. Angewandte Chemie, 2018, 130, 7198-7202.	2.0	16
125	Exciton dynamics in heterojunction thin-film devices based on exciplex-sensitized tripletâ€"triplet annihilation. Physical Chemistry Chemical Physics, 2018, 20, 27449-27455.	2.8	16
126	Boosting the Heavy Atom Effect by Cavitand Encapsulation: Room Temperature Phosphorescence of Pyrene in the Presence of Oxygen. Journal of Physical Chemistry A, 2018, 122, 6578-6584.	2.5	16

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127	Using sulfur bridge oxidation to control electronic coupling and photochemistry in covalent anthracene dimers. Chemical Science, 2019, 10, 7561-7573.	7.4	16
128	Efficient Solid-State triplet-triplet annihilation up-conversion electroluminescence device by incorporating intermolecular intersystem-crossing dark sensitizer. Chemical Engineering Journal, 2022, 427, 130889.	12.7	15
129	ELECTRON TRANSFER: Sometimes You Can Go Home Again. Science, 2001, 293, 444-445.	12.6	15
130	Reversible Adhesion Switching Using Spiropyran Photoisomerization in a High Glass Transition Temperature Polymer. Macromolecules, 2021, 54, 9319-9326.	4.8	15
131	Using a Streak Camera to Resolve the Motion of Molecular Excited States with Picosecond Time Resolution and 150 nm Spatial Resolution. Journal of Physical Chemistry C, 2007, 111, 12483-12489.	3.1	14
132	Bringing dark states to light. Nature Materials, 2014, 13, 1001-1003.	27.5	14
133	Photon Upconversion in Crystalline Rubrene: Resonant Enhancement by an Interband State. Journal of Physical Chemistry C, 2018, 122, 17632-17642.	3.1	14
134	Protection of Molecular Microcrystals by Encapsulation under Single-Layer Graphene. ACS Omega, 2018, 3, 8129-8134.	3.5	14
135	Effects of solvent and micellar encapsulation on the photostability of avobenzone. Photochemical and Photobiological Sciences, 2020, 19, 390-398.	2.9	14
136	Effect of halogen substitution on energies and dynamics of reversible photomechanical crystals based on 9-anthracenecarboxylic acid. CrystEngComm, 2021, 23, 5931-5943.	2.6	14
137	The photophysics of naphthalene dimers controlled by sulfur bridge oxidation. Chemical Science, 2017, 8, 4941-4950.	7.4	13
138	Using temperature dependent fluorescence to evaluate singlet fission pathways in tetracene single crystals. Journal of Chemical Physics, 2020, 153, 234504.	3.0	13
139	Effects of Template and Molecular Nanostructure on the Performance of Organicâ€“Inorganic Photomechanical Actuator Membranes. Advanced Functional Materials, 2020, 30, 1902396.	14.9	12
140	Shaping Organic Microcrystals Using Focused Ion Beam Milling. Crystal Growth and Design, 2020, 20, 1583-1589.	3.0	12
141	Electronic Energy Migration in Solid versus Liquid Host Matrices for Concentrated Perylenediimide Dye Solutions. Journal of Physical Chemistry A, 2011, 115, 7574-7581.	2.5	10
142	Dependence of poly(p-phenylene vinylene) morphology and time-resolved photophysics on precursor solvent. Synthetic Metals, 2002, 126, 295-299.	3.9	9
143	Temperature dependence of electronic energy transfer from a polymer host to a triplet emitter in light emitting diode materials. Chemical Physics Letters, 2003, 376, 55-61.	2.6	9
144	Ligand Binding to Distinct Sites on Nanocrystals Affecting Energy and Charge Transfer. Journal of Physical Chemistry Letters, 2015, 6, 1709-1713.	4.6	9

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145	Crystalâ€toâ€Gel Transformation Stimulated by a Solidâ€State Eâ†'Z Photoisomerization. Angewandte Chemie, 2019, 131, 15575-15580.	2.0	9
146	Symmetry Breaking and Photomechanical Behavior of Photochromic Organic Crystals. Symmetry, 2020, 12, 1478.	2.2	9
147	Synthesis and Photophysical Properties of Soluble Nâ€Doped Rubicenes via Rutheniumâ€Catalyzed Transfer Hydrogenative Benzannulation. Chemistry - A European Journal, 2021, 27, 4898-4902.	3.3	9
148	Vacancy control in acene blends links exothermic singlet fission to coherence. Nature Communications, 2021, 12, 5149.	12.8	9
149	Fabrication of biologically active surface-modified Taxol nanowires using anodic aluminum oxide templates. RSC Advances, 2011, 1, 884.	3.6	8
150	Pressure Dependence of the Forward and Backward Rates of 9-tert-Butylanthracene Dewar Isomerization. Journal of Physical Chemistry A, 2014, 118, 5349-5354.	2.5	8
151	Chemical Tuning of Exciton versus Charge-Transfer Excited States in Conformationally Restricted Arylene Cages. Journal of the American Chemical Society, 2021, 143, 18548-18558.	13.7	8
152	The photophysics of the 2,6 dialkoxy anthracenes: Evidence for excited state side-chain conformational relaxation. Journal of Luminescence, 2012, 132, 2997-3003.	3.1	7
153	Molecular Crystal Microcapsules: Formation of Sealed Hollow Chambers via Surfactantâ€Mediated Growth. Angewandte Chemie, 2020, 132, 23235-23239.	2.0	7
154	Magnetic field control of fluorescent polymer nanorods. Nanotechnology, 2011, 22, 455704.	2.6	6
155	Frontiers in hybrid and interfacial materials chemistry research. MRS Bulletin, 2020, 45, 951-964.	3.5	6
156	Correlating Reaction Dynamics and Size Change during the Photomechanical Transformation of 9â€Methylanthracene Single Crystals. Angewandte Chemie, 2022, 134, e202114089.	2.0	6
157	Using Small Molecule Absorbers to Create a Photothermal Wax Motor. Small, 2022, 18, e2105356.	10.0	6
158	Two-photon standing-wave fluorescence correlation spectroscopy. Optics Letters, 2007, 32, 2121.	3.3	5
159	The effects of nanopillar surface texturing on the photoluminescence of polymer films. Journal of Applied Physics, 2010, 108, 033114.	2.5	5
160	Cross-linking of Histone Proteins to DNA by UV Illumination of Chromatin Stained with Hoechst 33342Â¶. Photochemistry and Photobiology, 2007, 77, 675-679.	2.5	4
161	Photoluminescence dynamics in singlet fission chromophore liquid melts. Chemical Physics Letters, 2017, 669, 99-103.	2.6	4
162	Thickness-Dependent Exciton Dynamics in Thermally Evaporated Rubrene Thin Films. Journal of Physical Chemistry C, 2020, 124, 25729-25737.	3.1	4

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