

Frederick D Lewis

List of Publications by Year in descending order

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276
papers

11,136
citations

23567

58
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48315

88
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281
all docs

281
docs citations

281
times ranked

6198
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Photoinduced Charge Transfer and Hole Transport in Synthetic DNA Hairpins. <i>Accounts of Chemical Research</i> , 2001, 34, 159-170.	15.6	545
2	Direct measurement of hole transport dynamics in DNA. <i>Nature</i> , 2000, 406, 51-53.	27.8	332
3	Absolute Rates of Hole Transfer in DNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 14894-14903.	13.7	325
4	Driving Force Dependence of Electron Transfer Dynamics in Synthetic DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2000, 122, 12346-12351.	13.7	178
5	Proton-transfer reactions of photogenerated radical ion pairs. <i>Accounts of Chemical Research</i> , 1986, 19, 401-405.	15.6	174
6	Lewis acid catalysis of photochemical reactions. 8. Photodimerization and cross-cycloaddition of coumarin. <i>Journal of the American Chemical Society</i> , 1989, 111, 8653-8661.	13.7	173
7	Crossover from Superexchange to Hopping as the Mechanism for Photoinduced Charge Transfer in DNA Hairpin Conjugates. <i>Journal of the American Chemical Society</i> , 2006, 128, 791-800.	13.7	164
8	Dynamics of Photoinduced Charge Separation and Charge Recombination in Synthetic DNA Hairpins with Stilbenedicarboxamide Linkers. <i>Journal of the American Chemical Society</i> , 2000, 122, 2889-2902.	13.7	162
9	Donor-bridge-acceptor energetics determine the distance dependence of electron tunneling in DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12536-12541.	7.1	155
10	Bispyrenyl Excimer Fluorescence: A Sensitive Oligonucleotide Probe. <i>Journal of the American Chemical Society</i> , 1997, 119, 5451-5452.	13.7	148
11	Control of Kinetics and Thermodynamics of [1,5]-Shifts by Aromaticity: A View through the Prism of Marcus Theory. <i>Journal of the American Chemical Society</i> , 2003, 125, 9329-9342.	13.7	131
12	Photochemical generation, isomerization, and oxygenation of stilbene cation radicals. <i>Journal of the American Chemical Society</i> , 1990, 112, 8055-8064.	13.7	122
13	Formation and reactions of stilbene exciplexes. <i>Accounts of Chemical Research</i> , 1979, 12, 152-158.	15.6	120
14	Dynamics and Energetics of Single-Step Hole Transport in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2003, 125, 4850-4861.	13.7	120
15	Structure and Photoinduced Electron Transfer in Exceptionally Stable Synthetic DNA Hairpins with Stilbenediether Linkers. <i>Journal of the American Chemical Society</i> , 1999, 121, 9905-9906.	13.7	119
16	DNA as Helical Ruler: Exciton-Coupled Circular Dichroism in DNA Conjugates. <i>Journal of the American Chemical Society</i> , 2005, 127, 14445-14453.	13.7	115
17	Optically Active BINOL Core-Based Phenyleneethynylene Dendrimers for the Enantioselective Fluorescent Recognition of Amino Alcohols. <i>Journal of Organic Chemistry</i> , 2001, 66, 6136-6140.	3.2	112
18	Between Superexchange and Hopping: An Intermediate Charge-Transfer Mechanism in Poly(A)-Poly(T) DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2013, 135, 3953-3963.	13.7	109

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19	Lewis acid catalysis of photochemical reactions. 7. Photodimerization and cross-cycloaddition of cinnamic esters. <i>Journal of the American Chemical Society</i> , 1988, 110, 1261-1267.	13.7	103
20	X-ray diffraction "fingerprinting" of DNA structure in solution for quantitative evaluation of molecular dynamics simulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3534-3539.	7.1	100
21	trans-Stilbene-amine exciplexes. Stereoelectronic control of amine dimer cation radical formation. <i>Journal of the American Chemical Society</i> , 1984, 106, 701-708.	13.7	97
22	The Photochemistry of trans-ortho-, meta-, and -para-Aminostilbenes. <i>Journal of the American Chemical Society</i> , 1999, 121, 12045-12053.	13.7	97
23	Charge-Transfer and Spin Dynamics in DNA Hairpin Conjugates with Perylenediimide as a Base-Pair Surrogate. <i>Journal of the American Chemical Society</i> , 2008, 130, 13945-13955.	13.7	95
24	Dynamics of Electron Injection in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2002, 124, 11280-11281.	13.7	92
25	Duplex and hairpin dimer structures for perylene diimide-oligonucleotide conjugates. <i>Chemical Communications</i> , 2005, , 4795.	4.1	91
26	One-way photoisomerization of cis-stilbene via a cation radical chain mechanism. <i>Journal of the American Chemical Society</i> , 1985, 107, 203-207.	13.7	90
27	Lewis acid catalysis of coumarin photodimerization. <i>Journal of the American Chemical Society</i> , 1983, 105, 3344-3345.	13.7	89
28	Dynamics and Equilibria for Oxidation of G, GG, and GGG Sequences in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2000, 122, 12037-12038.	13.7	87
29	Dynamics of superexchange photoinduced electron transfer in duplex DNA. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2001, 2, 1-16.	11.6	85
30	Photochemistry of methyl-substituted butyrophenones. <i>Journal of the American Chemical Society</i> , 1972, 94, 3852-3858.	13.7	84
31	Hybrid Oligonucleotides Containing Stilbene Units. Excimer Fluorescence and Photodimerization. <i>Journal of the American Chemical Society</i> , 1995, 117, 8785-8792.	13.7	83
32	Orientation Control of Fluorescence Resonance Energy Transfer Using DNA as a Helical Scaffold. <i>Journal of the American Chemical Society</i> , 2005, 127, 10002-10003.	13.7	83
33	Hydrophobic Self-Assembly of a Perylenediimide-Linked DNA Dumbbell into Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2010, 132, 15808-15813.	13.7	83
34	Direct Measurement of the Dynamics of Hole Hopping in Extended DNA G-Tracts. An Unbiased Random Walk. <i>Journal of the American Chemical Society</i> , 2010, 132, 14388-14390.	13.7	83
35	Selectivity of tertiary amine oxidations. <i>Journal of the American Chemical Society</i> , 1980, 102, 1751-1752.	13.7	82
36	Hole Mobility in DNA A Tracts. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7982-7985.	13.8	82

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37	Photochemical addition of tertiary amines to stilbene. Stereoelectronic control of tertiary amine oxidation. <i>Journal of Organic Chemistry</i> , 1981, 46, 1077-1082.	3.2	80
38	Excited State Properties of Donor-acceptor Substituted trans-Stilbenes: The meta-Amino Effect. <i>Journal of Physical Chemistry A</i> , 2000, 104, 8146-8153.	2.5	80
39	Electron Hopping among Cofacially Stacked Perylene diimides Assembled by Using DNA Hairpins. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2385-2388.	13.8	74
40	trans-Stilbene-amine exciplexes. Photochemical addition of secondary and tertiary amines to stilbene. <i>Journal of the American Chemical Society</i> , 1977, 99, 7991-7996.	13.7	73
41	Synthesis, Structure, and Photochemistry of Exceptionally Stable Synthetic DNA Hairpins with Stilbene Diether Linkers. <i>Journal of the American Chemical Society</i> , 2002, 124, 12165-12173.	13.7	71
42	Electron-transfer-induced photoisomerization, dimerization, and oxygenation of trans- and cis-anethole. The role of monomer and dimer cation radicals. <i>Journal of the American Chemical Society</i> , 1988, 110, 8664-8670.	13.7	69
43	The Excited State Behavior of Aminostilbenes. A New Example of the Meta Effect. <i>Journal of the American Chemical Society</i> , 1997, 119, 3834-3835.	13.7	69
44	Hydrophobic Dimerization and Thermal Dissociation of Perylene diimide-Linked DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2009, 131, 5920-5929.	13.7	69
45	Crystal Structures of Secondary Aromatic Carboxamides. An Investigation of Aromatic Hydrogen Bonding Relationships in the Solid State. <i>Journal of the American Chemical Society</i> , 1996, 118, 12029-12037.	13.7	68
46	Efficient Charge Transport in DNA Diblock Oligomers. <i>Journal of the American Chemical Society</i> , 2009, 131, 9722-9727.	13.7	68
47	Photochemical addition of tertiary amines to stilbene. Free-radical and electron-transfer mechanisms for amine oxidation. <i>Journal of the American Chemical Society</i> , 1982, 104, 1924-1929.	13.7	67
48	Metal ion initiated charge-transfer photopolymerization of tetrahydrofuran. A mechanistic investigation. <i>Journal of the American Chemical Society</i> , 1982, 104, 5586-5594.	13.7	67
49	Conformational control of photochemical behavior. Competitive α cleavage and γ -hydrogen abstraction of alkyl phenyl ketones. <i>Journal of the American Chemical Society</i> , 1974, 96, 6090-6099.	13.7	66
50	trans-Stilbene-amine exciplexes. Behavior of the exciplex, solvent-separated radical ion pair, and free radical ions. <i>Journal of the American Chemical Society</i> , 1984, 106, 708-715.	13.7	65
51	Photodimerization of Lewis acid complexes of cinnamate esters in solution and the solid state. <i>Journal of the American Chemical Society</i> , 1984, 106, 466-468.	13.7	64
52	Lewis acid catalysis of photochemical reactions. 4. Selective isomerization of cinnamic esters. <i>Journal of the American Chemical Society</i> , 1986, 108, 3005-3015.	13.7	64
53	Face-to-Face and Edge-to-Face π - π Interactions in a Synthetic DNA Hairpin with a Stilbene diether Linker. <i>Journal of the American Chemical Society</i> , 2003, 125, 10842-10849.	13.7	64
54	DNA-Mediated Exciton Coupling and Electron Transfer between Donor and Acceptor Stilbenes Separated by a Variable Number of Base Pairs. <i>Journal of the American Chemical Society</i> , 2004, 126, 8206-8215.	13.7	64

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55	Chain-Length- and Solvent-Dependent Intramolecular Proton Transfer in Styrene-Amine Exciplexes. <i>Journal of the American Chemical Society</i> , 1994, 116, 597-605.	13.7	62
56	Spectroscopy and Photochemistry of Nickel(II), Palladium(II), and Platinum(II) .beta.-Diketonates. <i>Inorganic Chemistry</i> , 1995, 34, 3173-3181.	4.0	62
57	Conformational Control of TT Dimerization in DNA Conjugates. A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5215-5221.	2.6	62
58	Molecular Photochemistry. XVIII. Type II Photoelimination and 3-Oxetanol Formation from $\hat{1}\pm$ -Alkoxyacetophenones and Related Compounds. <i>Journal of the American Chemical Society</i> , 1970, 92, 311-320.	13.7	59
59	Molecular Structure and Photochemistry of (E)- and (Z)-2-(2-(2-Pyridyl)ethenyl)indole. A Case of Hydrogen Bond Dependent One-Way Photoisomerization. <i>Journal of the American Chemical Society</i> , 1995, 117, 3029-3036.	13.7	59
60	DNA Molecular Photonics. <i>Photochemistry and Photobiology</i> , 2005, 81, 65.	2.5	56
61	Deep-hole transfer leads to ultrafast charge migration in DNA hairpins. <i>Nature Chemistry</i> , 2016, 8, 1015-1021.	13.6	56
62	Photophysical and photochemical behavior of intramolecular styrene-amine exciplexes. <i>Journal of the American Chemical Society</i> , 1991, 113, 3498-3506.	13.7	55
63	Photochemical reactions of arenecarbonitriles with aliphatic amines. 1. Effect of arene structure on aminyl vs. .alpha.-aminoalkyl radical formation. <i>Journal of the American Chemical Society</i> , 1984, 106, 187-193.	13.7	53
64	Photoreduction and .alpha. cleavage of aryl alkyl ketones. <i>Journal of Organic Chemistry</i> , 1972, 37, 2102-2107.	3.2	52
65	Electronic structure and spectroscopy of nickel(II), palladium(II), and platinum(II) acetylacetonate complexes. <i>Inorganic Chemistry</i> , 1993, 32, 1251-1258.	4.0	52
66	Highly Regioselective Anaerobic Photocyclization of 3-Styrylpyridines. <i>Journal of the American Chemical Society</i> , 2001, 123, 3878-3884.	13.7	52
67	Solid-State Fluorescence of Aromatic Dicarboxamides. Dependence upon Crystal Packing. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1775-1781.	2.6	51
68	Dynamics of Inter- and Intrastrand Hole Transport in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2002, 124, 4568-4569.	13.7	50
69	Stepwise Evolution of the Structure and Electronic Properties of DNA. <i>Journal of the American Chemical Society</i> , 2003, 125, 12729-12731.	13.7	50
70	Entropic control of photochemical reactivity. Transition state for .gamma.-hydrogen abstraction of alkyl phenyl ketones. <i>Journal of the American Chemical Society</i> , 1974, 96, 6100-6107.	13.7	49
71	Lewis acid catalysis of photochemical reactions. 10. Spectroscopy and photochemistry of 2-quinolones and their Lewis acid complexes. <i>Journal of Organic Chemistry</i> , 1991, 56, 5311-5318.	3.2	49
72	Platinum(II) Bis(.beta.-diketonates) as Photoactivated Hydrosilation Catalysts. <i>Inorganic Chemistry</i> , 1995, 34, 3182-3189.	4.0	49

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73	Ground and Excited State Aromatic π -Aromatic Interactions with Distance Control by Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 1996, 118, 2772-2773.	13.7	48
74	Pyrene Excimer Fluorescence as a Probe for Parallel G-Quadruplex Formation. <i>Bioconjugate Chemistry</i> , 2007, 18, 1213-1217.	3.6	48
75	Electron Donor π -Acceptor Interactions with Flanking Purines Influence the Efficiency of Thymine Photodimerization. <i>Journal of the American Chemical Society</i> , 2011, 133, 20793-20798.	13.7	47
76	Lewis acid catalysis of photochemical reactions. 11. Conformations, spectroscopy, and photochemistry of methyl phenanthrene-9-carboxylate, and phenanthrene-9-carboxamides, and their Lewis acid complexes. <i>Journal of the American Chemical Society</i> , 1992, 114, 3866-3870.	13.7	46
77	Photophysics and Photochemistry of Intramolecular Stilbene-Amine Exciplexes. <i>Journal of the American Chemical Society</i> , 1995, 117, 660-669.	13.7	46
78	Sensitized photolysis of organic azides. Possible case of nonclassical energy transfer. <i>Journal of the American Chemical Society</i> , 1968, 90, 7033-7038.	13.7	45
79	Molecular Wire Behavior in π -Stacked Donor-Bridge-Acceptor Tertiary Arylureas. <i>Journal of the American Chemical Society</i> , 2007, 129, 9848-9849.	13.7	45
80	Excited State, Charge Transfer, and Spin Dynamics in DNA Hairpin Conjugates with Perylenediimide Hairpin Linkers. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4691-4700.	2.5	45
81	Dynamics of Ultrafast Singlet and Triplet Charge Transfer in Anthraquinone π -DNA Conjugates. <i>Journal of the American Chemical Society</i> , 2010, 132, 444-445.	13.7	45
82	Direct Observation of the Hole Carriers in DNA Photoinduced Charge Transport. <i>Journal of the American Chemical Society</i> , 2016, 138, 5491-5494.	13.7	45
83	Photochemical reactions of arenecarbonitriles with aliphatic amines. 2. Effect of amine structure on aminyl vs. α -aminoalkyl radical formation. <i>Journal of the American Chemical Society</i> , 1984, 106, 194-198.	13.7	44
84	Formation and Decay of Localized Contact Radical Ion Pairs in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2002, 124, 14020-14026.	13.7	44
85	Cage effects in the photochemistry of (S)-(+)-2-phenylpropiophenone. <i>Journal of the American Chemical Society</i> , 1973, 95, 5973-5976.	13.7	43
86	Proton transfer reactions of photogenerated cyanoaromatic-methylaromatic radical ion pairs. <i>Tetrahedron</i> , 1986, 42, 6207-6217.	1.9	43
87	Lewis acid catalysis of photochemical reactions. 5. Selective isomerization of conjugated butenoic and dienic esters. <i>Journal of the American Chemical Society</i> , 1986, 108, 3016-3023.	13.7	42
88	Electronic Interactions between π -Stacked DNA Base Pairs and Diphenylacetylene-4,4'-dicarboxamide in Hairpin DNA. <i>Journal of the American Chemical Society</i> , 1999, 121, 9746-9747.	13.7	42
89	Increasing the Speed Limit for Hole Transport in DNA. <i>Journal of the American Chemical Society</i> , 2011, 133, 11485-11487.	13.7	41
90	Quenching of aromatic hydrocarbon singlets and aryl ketone triplets by alkyl disulfides. <i>Journal of the American Chemical Society</i> , 1976, 98, 5319-5326.	13.7	40

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91	Lewis-acid catalysis of photochemical reactions. 6. Selective isomerization of .beta.-furylacrylic and urocanic esters. <i>Journal of the American Chemical Society</i> , 1986, 108, 5964-5968.	13.7	40
92	Lewis-acid catalysis of photochemical reactions. 9. Structure and photoisomerization of (E)- and (Z)-cinnamamides and their Lewis acid complexes. <i>Journal of Organic Chemistry</i> , 1991, 56, 553-561.	3.2	40
93	Singlet State Cis,Trans Photoisomerization and Intersystem Crossing of 1-Arylpropenes. <i>Journal of the American Chemical Society</i> , 1994, 116, 10477-10485.	13.7	40
94	Ultrafast Proton Transfer Dynamics of Hydroxystilbene Photoacids. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2443-2451.	2.5	40
95	Ultrafast Excited-State Dynamics in Hexaethyleneglycol-Linked DNA Homoduplexes Made of AÂ-T Base Pairs. <i>Journal of the American Chemical Society</i> , 2013, 135, 10290-10293.	13.7	39
96	Charge Transport across DNA-Based Three-Way Junctions. <i>Journal of the American Chemical Society</i> , 2015, 137, 5113-5122.	13.7	39
97	Exciplex and radical ion intermediates in the photochemical reaction of 9-cyanophenanthrene with 2,3-dimethyl-2-butene. <i>Tetrahedron</i> , 1982, 38, 1069-1077.	1.9	38
98	Conformation-Dependent Intramolecular Electron Transfer in N-(Aminoalkyl)-9-phenanthrenecarboxamides. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4055-4063.	2.9	38
99	Hydroxystilbene Isomer-Specific Photoisomerization versus Proton Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 4044-4045.	13.7	38
100	Ground-State Conformational Equilibrium and Photochemical Behavior of Syn and Anti N,N-Dimethyl-N,N-di-1-naphthylurea Protophanes. <i>Journal of the American Chemical Society</i> , 2003, 125, 13760-13767.	13.7	37
101	Dynamics of Photochemical Electron Injection and Efficiency of Electron Transport in DNA. <i>Journal of the American Chemical Society</i> , 2009, 131, 16790-16797.	13.7	37
102	Getting to guanine: mechanism and dynamics of charge separation and charge recombination in DNA revisited. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 534-539.	2.9	36
103	Intramolecular photochemical addition reactions of .omega.-styrylaminoalkanes. <i>Journal of the American Chemical Society</i> , 1989, 111, 6465-6466.	13.7	35
104	Activated Decay Pathways for Planar vs Twisted Singlet Phenylalkenes. <i>Journal of the American Chemical Society</i> , 2003, 125, 8806-8813.	13.7	35
105	Positional effects of the hydroxy substituent on the photochemical and photophysical behavior of 3- and 4-hydroxystilbene Electronic supplementary information (ESI) available: Data, figures, and experimental and theoretical details. See http://www.rsc.org/suppdata/pp/b4/b403661a/ . <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 660.	2.9	35
106	Photochromic Dibenzobarrlenes:Â Long-Lived Triplet Biradical Intermediates. <i>Journal of the American Chemical Society</i> , 2007, 129, 9439-9445.	13.7	35
107	Structure and Dynamics of Photogenerated Triplet Radical Ion Pairs in DNA Hairpin Conjugates with Anthraquinone End Caps. <i>Journal of the American Chemical Society</i> , 2012, 134, 11251-11260.	13.7	34
108	Tracking Photoinduced Charge Separation in DNA: from Start to Finish. <i>Accounts of Chemical Research</i> , 2018, 51, 1746-1754.	15.6	34

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109	Intramolecular photoaddition of secondary .alpha.-(aminoalkyl)styrenes. Journal of Organic Chemistry, 1993, 58, 6390-6393.	3.2	33
110	Anomalous Dual Fluorescence of Benzanilide. Journal of Physical Chemistry A, 1998, 102, 5327-5332.	2.5	33
111	Dynamics and Efficiency of DNA Hole Transport via Alternating AT versus Poly(A) Sequences. Journal of the American Chemical Society, 2007, 129, 15130-15131.	13.7	33
112	Reversible Bridge-Mediated Excited-State Symmetry Breaking in Stilbene-Linked DNA Dumbbells. Journal of Physical Chemistry B, 2008, 112, 3838-3843.	2.6	33
113	Self-quenching and dimerization of singlet trans-stilbene. Journal of Photochemistry and Photobiology, 1977, 7, 421-423.	0.6	32
114	Phototriggered DNA Hairpin Formation in a Stilbenediether-Linked Bis(oligonucleotide) Conjugate. Journal of the American Chemical Society, 1999, 121, 11928-11929.	13.7	32
115	Symmetry-Enforced Conformational Control of Photochemical Reactivity in 2-Vinyl-1,3-terphenyl. Journal of the American Chemical Society, 2002, 124, 13664-13665.	13.7	32
116	Thymine Dimer Photoreversal in Purine-Containing Trinucleotides. Journal of Physical Chemistry B, 2012, 116, 698-704.	2.6	32
117	Photochemistry of bicycloalkyl phenyl ketones. Journal of the American Chemical Society, 1972, 94, 4292-4297.	13.7	31
118	Dynamics and Equilibrium for Single Step Hole Transport Processes in Duplex DNA. Topics in Current Chemistry, 2004, , 45-65.	4.0	31
119	A perylenedicarboxamide linker for DNA hairpins. Tetrahedron, 2007, 63, 3457-3464.	1.9	31
120	Dynamics and Mechanism of Bridge-Dependent Charge Separation in Pyrenylurea ^π -Nitrobenzene π -Stacked Protophanes. Journal of the American Chemical Society, 2006, 128, 4792-4801.	13.7	30
121	Silver(I) photocatalyzed addition of acetonitrile to norbornene. Journal of the American Chemical Society, 1981, 103, 3608-3609.	13.7	29
122	Photochemical synthesis of tetrahydrobenzazepines via intramolecular stilbene-amine photoaddition. Tetrahedron Letters, 1992, 33, 4249-4252.	1.4	29
123	Lewis acid enhancement of photochemical trans .fwdarw. cis isomerization of .alpha.,.beta.-unsaturated esters. Journal of the American Chemical Society, 1981, 103, 7345-7347.	13.7	28
124	Relaxation Pathways of Photoexcited Diaminostilbenes. The meta-Amino Effect. Journal of Physical Chemistry A, 2001, 105, 4691-4696.	2.5	28
125	A cooperative beads-on-a-string approach to exceptionally stable DNA triplexes. Chemical Communications, 2006, , 3830.	4.1	28
126	Conformational Control of Thymine Photodimerization in Single-Strand and Duplex DNA Containing Locked Nucleic Acid TT Steps. Journal of the American Chemical Society, 2010, 132, 12856-12858.	13.7	28

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127	Metal ion photoinitiated addition of acetonitrile and methanol to olefins. Journal of the American Chemical Society, 1982, 104, 5580-5585.	13.7	27
128	Naphthalenedicarboxamides as Fluorescent Probes of Inter- and Intramolecular Electron Transfer in Single Strand, Hairpin, and Duplex DNA. Journal of Physical Chemistry B, 1999, 103, 2570-2578.	2.6	27
129	The Photochemistry of cis-ortho-, meta-, and para-Aminostilbenes. Journal of Physical Chemistry A, 2001, 105, 285-291.	2.5	27
130	Efficient Charge Transport via DNA G-Quadruplexes. Journal of the American Chemical Society, 2017, 139, 1730-1733.	13.7	27
131	Can molecular conformation control photochemical behavior. Journal of the American Chemical Society, 1972, 94, 8914-8916.	13.7	26
132	Time-resolved resonance Raman investigation of photostimulated electron transfer from amines to trans-stilbene. Journal of the American Chemical Society, 1982, 104, 2044-2045.	13.7	26
133	Amide Conformation-Dependent Intramolecular Photoinduced Electron Transfer. Journal of the American Chemical Society, 1994, 116, 1159-1160.	13.7	26
134	Conformational Control of Thymine Photodimerization in Purine-Containing Trinucleotides. Journal of Physical Chemistry Letters, 2011, 2, 1432-1438.	4.6	26
135	1,2-Diarylethylene-diene exciplexes. Solvent-induced changes in chemical and physical processes. Journal of the American Chemical Society, 1977, 99, 3779-3786.	13.7	25
136	Free radical and electron-transfer mechanisms for tertiary amine oxidation. Journal of the American Chemical Society, 1980, 102, 7593-7595.	13.7	25
137	Photodimerization of singlet trans- and cis-anethole. Concerted or stepwise?. Journal of the American Chemical Society, 1988, 110, 8660-8664.	13.7	25
138	Sum rules and determination of exciton coupling using absorption and circular dichroism spectra of biological polymers. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 989-994.	7.1	24
139	Structure and Photoinduced Electron Transfer in DNA Hairpin Conjugates Possessing a Tethered 5- ϵ -Pyrenecarboxamide. Journal of Physical Chemistry B, 2009, 113, 16276-16284.	2.6	24
140	The singlet states of methyl cinnamate and methyl indenoate. Journal of Photochemistry and Photobiology A: Chemistry, 1989, 47, 173-179.	3.9	23
141	Luminescence of N-Arylbenzamides in Low-Temperature Glasses. Journal of Physical Chemistry A, 1999, 103, 9678-9686.	2.5	23
142	Torsional Barriers for Planar versus Twisted Singlet Styrenes. Journal of the American Chemical Society, 2003, 125, 2046-2047.	13.7	23
143	Conformer-specific photoisomerization of some 2-vinylbiphenyls. Photochemical and Photobiological Sciences, 2003, 2, 1059-1066.	2.9	23
144	Context-Dependent Photodimerization in Isolated Thymine $\hat{=}$ Thymine Steps in DNA. Journal of the American Chemical Society, 2008, 130, 11870-11871.	13.7	23

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145	Conformationally Gated Charge Transfer in DNA Three-Way Junctions. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2434-2438.	4.6	23
146	Exciplex conformational control of intramolecular photoaddition regioselectivity. <i>Journal of the American Chemical Society</i> , 1993, 115, 6468-6469.	13.7	22
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