

Frederick D Lewis

List of Publications by Year in descending order

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276
papers

11,136
citations

23567

58
h-index

48315

88
g-index

281
all docs

281
docs citations

281
times ranked

6198
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocrosslinking between nucleic acids and proteins: general discussion. Faraday Discussions, 2018, 207, 283-306.	3.2	5
2	Fluorescent excimers and exciplexes of the purine base derivative 8-phenylethynyl-guanine in DNA hairpins. Faraday Discussions, 2018, 207, 217-232.	3.2	3
3	Tracking Photoinduced Charge Separation in DNA: from Start to Finish. Accounts of Chemical Research, 2018, 51, 1746-1754.	15.6	34
4	Efficient Charge Transport via DNA G-Quadruplexes. Journal of the American Chemical Society, 2017, 139, 1730-1733.	13.7	27
5	Dynamics of Charge Injection and Charge Recombination in DNA Mini-Hairpins. Journal of Physical Chemistry B, 2017, 121, 7042-7047.	2.6	3
6	Self-Assembly of Peryleneimide-Single-Strand-DNA Conjugates: Employing Hydrophobic Interactions and DNA Base-Pairing To Create a Diverse Structural Space. Chemistry - A European Journal, 2017, 23, 10328-10337.	3.3	12
7	Structure and Dynamics of Electron Injection and Charge Recombination in i-Motif DNA Conjugates. Journal of Physical Chemistry B, 2017, 121, 8058-8068.	2.6	4
8	Tracking Hole Transport in DNA Hairpins Using a Phenylethynylguanine Nucleobase. Journal of the American Chemical Society, 2017, 139, 12084-12092.	13.7	9
9	Direct Observation of the Hole Carriers in DNA Photoinduced Charge Transport. Journal of the American Chemical Society, 2016, 138, 5491-5494.	13.7	45
10	Deep-hole transfer leads to ultrafast charge migration in DNA hairpins. Nature Chemistry, 2016, 8, 1015-1021.	13.6	56
11	High-Energy Long-Lived Mixed Frenkel-Charge-Transfer Excitons: From Double Stranded (AT) to Natural DNA. Chemistry - A European Journal, 2016, 22, 4904-4914.	3.3	17
12	Hole transport in DNA hairpins via base mismatches and strand crossings: Efficiency and dynamics. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 160-164.	3.9	0
13	Conformationally Gated Charge Transfer in DNA Three-Way Junctions. Journal of Physical Chemistry Letters, 2015, 6, 2434-2438.	4.6	23
14	Raising the barrier for photoinduced DNA charge injection with a cyclohexyl artificial base pair. Faraday Discussions, 2015, 185, 105-120.	3.2	10
15	Mechanism and Dynamics of Electron Injection and Charge Recombination in DNA. Dependence on Neighboring Pyrimidines. Journal of Physical Chemistry B, 2015, 119, 7673-7680.	2.6	10
16	Electronic Interactions of Michler's Ketone with DNA Bases in Synthetic Hairpins. Photochemistry and Photobiology, 2015, 91, 739-747.	2.5	0
17	Charge Transport across DNA-Based Three-Way Junctions. Journal of the American Chemical Society, 2015, 137, 5113-5122.	13.7	39
18	Natural and artificial photosynthesis: general discussion. Faraday Discussions, 2015, 185, 187-217.	3.2	3

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19	Luminescence sensing and imaging: general discussion. Faraday Discussions, 2015, 185, 311-335.	3.2	2
20	Self-organization of photo-active nanostructures: general discussion. Faraday Discussions, 2015, 185, 529-548.	3.2	2
21	Wirelike Charge Transport Dynamics for DNA-Lipid Complexes in Chloroform. Journal of the American Chemical Society, 2014, 136, 15792-15797.	13.7	7
22	Ground and excited state electronic spectra of perylenediimide dimers with flexible and rigid geometries in DNA conjugates. Chemical Science, 2014, 5, 973-981.	7.4	19
23	Effect of Mg ²⁺ Cations on the Dynamics and Efficiency of Hole Transport in DNA. Journal of Physical Chemistry A, 2014, 118, 10359-10363.	2.5	2
24	Thymine photodimer formation in DNA hairpins. Unusual conformations favor (6 π 4) vs. (2 + 2) adducts. Photochemical and Photobiological Sciences, 2014, 13, 266-271.	2.9	10
25	Structure and Electronic Spectra of Purine-Methyl Viologen Charge Transfer Complexes. Journal of Physical Chemistry B, 2014, 118, 125-133.	2.6	18
26	Photoselective DNA Hairpin Spin Switches. Journal of the American Chemical Society, 2013, 135, 10970-10973.	13.7	18
27	Ultrafast Excited-State Dynamics in Hexaethyleneglycol-Linked DNA Homoduplexes Made of AA-T Base Pairs. Journal of the American Chemical Society, 2013, 135, 10290-10293.	13.7	39
28	Electronic excited states of guanine-cytosine hairpins and duplexes studied by fluorescence spectroscopy. Photochemical and Photobiological Sciences, 2013, 12, 1453-1459.	2.9	13
29	Interaction of UV radiation with DNA. Photochemical and Photobiological Sciences, 2013, 12, 1256-1258.	2.9	10
30	Between Superexchange and Hopping: An Intermediate Charge-Transfer Mechanism in Poly(A)-Poly(T) DNA Hairpins. Journal of the American Chemical Society, 2013, 135, 3953-3963.	13.7	109
31	Distance-Dependent Electronic Interactions Across DNA Base Pairs: Charge Transport, Exciton Coupling, and Energy Transfer. Israel Journal of Chemistry, 2013, 53, 350-365.	2.3	22
32	Thermal Response of DNA Supramolecular Polymers Assembled with Hydrophobic Sticky Ends. Journal of Physical Chemistry B, 2013, 117, 14649-14654.	2.6	3
33	Dynamics and efficiency of photoinduced charge transport in DNA: Toward the elusive molecular wire. Pure and Applied Chemistry, 2013, 85, 1379-1387.	1.9	14
34	Electronic Interactions in Helical Stacked Arrays of the Modified DNA Base Pyrrolocytosine. Journal of Physical Chemistry B, 2012, 116, 5199-5204.	2.6	6
35	Thymine Dimer Photoreversal in Purine-Containing Trinucleotides. Journal of Physical Chemistry B, 2012, 116, 698-704.	2.6	32
36	Structure and Dynamics of Photogenerated Triplet Radical Ion Pairs in DNA Hairpin Conjugates with Anthraquinone End Caps. Journal of the American Chemical Society, 2012, 134, 11251-11260.	13.7	34

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37	Dynamics and Efficiency of Hole Transport in LNA:DNA Hybrid Diblock Oligomers. <i>Journal of the American Chemical Society</i> , 2012, 134, 16434-16440.	13.7	13
38	Facially-selective thymine thymine photodimerization in TTT triads. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 889-892.	2.9	3
39	Effect of Structural Dynamics and Base Pair Sequence on the Nature of Excited States in DNA Hairpins. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11447-11458.	2.6	22
40	Conformational Control of Thymine Photodimerization in Purine-Containing Trinucleotides. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1432-1438.	4.6	26
41	Electron Donor-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
42	Conformation of a Dodecane DNA Hairpin Linker. Multiple Gauche Bonds Cover the Bases. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3740-3746.	2.6	5
43	Increasing the Speed Limit for Hole Transport in DNA. <i>Journal of the American Chemical Society</i> , 2011, 133, 11485-11487.	13.7	41
44	Electron Hopping among Cofacially Stacked Perylenediimides Assembled by Using DNA Hairpins. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2385-2388.	13.8	74
45	Perylenediimide-Linked DNA Dumbbells: Long-Distance Electronic Interactions and Hydrophobic Assistance of Base-Pair Melting. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20466-20471.	3.1	20
46	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
47	Structure and Stability of Alkane-Linked DNA Hairpin Conjugates. <i>Journal of Organic Chemistry</i> , 2010, 75, 6236-6243.	3.2	7
48	Dynamics and Efficiency of Electron Injection and Transport in DNA Using Pyrenecarboxamide as an Electron Donor and 5-Bromouracil as an Electron Acceptor. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14265-14272.	2.6	20
49	Conformational Control of Thymine Photodimerization in Single-Strand and Duplex DNA Containing Locked Nucleic Acid TT Steps. <i>Journal of the American Chemical Society</i> , 2010, 132, 12856-12858.	13.7	28
50	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
51	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
52	Kinetics of Charge Separation in Poly(A)-Poly(T) DNA Hairpins. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6732-6739.	2.6	22
53	DNA base-pair flipping with fluorescent perylenediimide pincers. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 916.	2.9	20
54	Dynamics of Ultrafast Singlet and Triplet Charge Transfer in Anthraquinone-DNA Conjugates. <i>Journal of the American Chemical Society</i> , 2010, 132, 444-445.	13.7	45

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55	Sum rules and determination of exciton coupling using absorption and circular dichroism spectra of biological polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 989-994.	7.1	24
56	Structure and Photoinduced Electron Transfer in DNA Hairpin Conjugates Possessing a Tethered 5- π -Pyrenecarboxamide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16276-16284.	2.6	24
57	Charge Recombination in DNA Hairpins Controlled by Counterions. <i>Journal of the American Chemical Society</i> , 2009, 131, 400-401.	13.7	11
58	Efficient Charge Transport in DNA Diblock Oligomers. <i>Journal of the American Chemical Society</i> , 2009, 131, 9722-9727.	13.7	68
59	Hydrophobic Dimerization and Thermal Dissociation of Perylenediimide-Linked DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2009, 131, 5920-5929.	13.7	69
60	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
61	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
62	The Influence of Guanine on DNA Hole Transport Efficiency. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3798-3800.	13.8	21
63	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
64	Photoinduced charge separation in pyrenedicarboxamide-linked DNA hairpins. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1501.	2.9	13
65	Effect of Loop Distortion on the Stability and Structural Dynamics of DNA Hairpin and Dumbbell Conjugates. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11415-11421.	2.6	17
66	Context-Dependent Photodimerization in Isolated Thymine \rightarrow Thymine Steps in DNA. <i>Journal of the American Chemical Society</i> , 2008, 130, 11870-11871.	13.7	23
67	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
68	Reversible Bridge-Mediated Excited-State Symmetry Breaking in Stilbene-Linked DNA Dumbbells. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3838-3843.	2.6	33
69	DNA electron transfer mechanism and dynamics. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 95-96.	0.3	1
70	DNA-Templated formation and luminescence of diphenylacetylene dimeric and trimeric complexes. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 854-859.	2.9	13
71	Synthesis and properties of nicked dumbbell and dumbbell DNA conjugates having stilbenedicarboxamide linkers. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 450-456.	2.8	16
72	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

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73	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
74	Pyrene Excimer Fluorescence as a Probe for Parallel G-Quadruplex Formation. Bioconjugate Chemistry, 2007, 18, 1213-1217.	3.6	48
75	Photochromic Dibenzobarrenes: A Long-Lived Triplet Biradical Intermediates. Journal of the American Chemical Society, 2007, 129, 9439-9445.	13.7	35
76	Structure and Electronic Spectra of DNA Mini-hairpins with G_n:C_n Stems. Journal of Physical Chemistry B, 2007, 111, 13101-13106.	2.6	16
77	Circular Dichroism Spectra of DNA Hairpins Studied by the Green Function Method. Journal of Physical Chemistry B, 2007, 111, 3982-3989.	2.6	4
78	Bimolecular Photochemical Reactions of the Stilbenes. Advances in Photochemistry, 2007, , 165-235.	0.4	21
79	A perylenedicarboxamide linker for DNA hairpins. Tetrahedron, 2007, 63, 3457-3464.	1.9	31
80	Solvent dependent photocyclization and photophysics of some 2-ethynylbiphenyls. Photochemical and Photobiological Sciences, 2006, 5, 369.	2.9	11
81	A cooperative beads-on-a-string approach to exceptionally stable DNA triplexes. Chemical Communications, 2006, , 3830.	4.1	28
82	Î±- and Î²-Stilbenosides as base-pair surrogates in DNA hairpins. Organic and Biomolecular Chemistry, 2006, 4, 314-322.	2.8	12
83	Dynamics of Photoinitiated Hole and Electron Injection in Duplex DNA. , 2006, , 93-116.		7
84	Dynamics and Mechanism of Bridge-Dependent Charge Separation in Pyrenylurea~Nitrobenzene Î€-Stacked Protophanes. Journal of the American Chemical Society, 2006, 128, 4792-4801.	13.7	30
85	Crossover from Superexchange to Hopping as the Mechanism for Photoinduced Charge Transfer in DNA Hairpin Conjugates. Journal of the American Chemical Society, 2006, 128, 791-800.	13.7	164
86	Stabilization of DNA Hairpins by Stilbene Capping of the Terminal Base Pair. Journal of the Chinese Chemical Society, 2006, 53, 1501-1507.	1.4	12
87	DNA photonics. Pure and Applied Chemistry, 2006, 78, 2287-2295.	1.9	11
88	Ring-Closing Photoisomerization of Some 2,6-Diarylstyrenes. Photochemistry and Photobiology, 2006, 82, 119.	2.5	4
89	Hole Mobility in DNA A Tracts. Angewandte Chemie - International Edition, 2006, 45, 7982-7985.	13.8	82
90	X-ray diffraction "fingerprinting" of DNA structure in solution for quantitative evaluation of molecular dynamics simulation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3534-3539.	7.1	100

#	ARTICLE	IF	CITATIONS
91	Absolute Rates of Hole Transfer in DNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 14894-14903.	13.7	325
92	DNA Molecular Photonics. <i>Photochemistry and Photobiology</i> , 2005, 81, 65.	2.5	56
93	Photocyclization of a conformationally constrained 2-vinylbiphenyl. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 789.	2.9	7
94	Photocyclization of 2-vinylidiphenylacetylenes and behavior of the isonaphthalene intermediates. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 629.	2.9	13
95	Duplex and hairpin dimer structures for perylene diimide-oligonucleotide conjugates. <i>Chemical Communications</i> , 2005, , 4795.	4.1	91
96	Electronic Interactions between π -Stacked Chromophores in Nonsymmetric Tertiary Naphthyl Di- and Polyarylureas. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8106-8112.	2.5	6
97	Ultrafast Proton Transfer Dynamics of Hydroxystilbene Photoacids. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2443-2451.	2.5	40
98	Convergent Synthesis of Nonsymmetric π -Stacked Protophanes Assembled with Urea Linkers. <i>Journal of Organic Chemistry</i> , 2005, 70, 2974-2979.	3.2	10
99	Competitive 1,2- and 1,5-Hydrogen Shifts Following 2-Vinylbiphenyl Photocyclization. <i>Journal of Organic Chemistry</i> , 2005, 70, 10447-10452.	3.2	20
100	Electronic Interactions in Tertiary Oligophenylureas. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4893-4899.	2.6	13
101	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
102	DNA as Helical Ruler: π -Exciton-Coupled Circular Dichroism in DNA Conjugates. <i>Journal of the American Chemical Society</i> , 2005, 127, 14445-14453.	13.7	115
103	DNA Molecular Photonics. <i>Photochemistry and Photobiology</i> , 2005, 81, 65-72.	2.5	1
104	Dynamics and equilibrium for the formation of fluorescent Lewis acid-base exciplexes and triplexes between 9-aminophenanthrene and aliphatic amines. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 341-347.	2.9	4
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	Polyaryl Anion Radicals via Alkali Metal Reduction of Arylurea Oligomers. <i>Organic Letters</i> , 2004, 6, 1605-1608.	4.6	19
107	Formation and Behavior of Fluorescent Lewis Acid-Base Exciplexes and Triplexes between 3-Aminostilbenes and Aliphatic Amines. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1425-1434.	2.5	10
108	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

#	ARTICLE	IF	CITATIONS
109	Dynamics and Equilibrium for Single Step Hole Transport Processes in Duplex DNA. Topics in Current Chemistry, 2004, , 45-65.	4.0	31
110	Reversible formation of DNA G-quadruplex hairpin dimers from stilbenediether conjugates. Chemical Communications, 2004, , 636-637.	4.1	6
111	Ground-State Conformational Equilibrium and Photochemical Behavior of Syn and Anti-N,N'-Dimethyl-N,N'-di-1-naphthylurea Protophanes. Journal of the American Chemical Society, 2003, 125, 13760-13767.	13.7	37
112	Activated Decay Pathways for Planar vs Twisted Singlet Phenylalkenes. Journal of the American Chemical Society, 2003, 125, 8806-8813.	13.7	35
113	N,N'-Dimethyl-N,N'-diarylurea Anion Radicals: An Intramolecular Reductive Elimination. Journal of the American Chemical Society, 2003, 125, 1460-1461.	13.7	14
114	Control of Kinetics and Thermodynamics of [1,5]-Shifts by Aromaticity: A View through the Prism of Marcus Theory. Journal of the American Chemical Society, 2003, 125, 9329-9342.	13.7	131
115	Stepwise Evolution of the Structure and Electronic Properties of DNA. Journal of the American Chemical Society, 2003, 125, 12729-12731.	13.7	50
116	Face-to-Face and Edge-to-Face π - π Interactions in a Synthetic DNA Hairpin with a Stilbenediether Linker. Journal of the American Chemical Society, 2003, 125, 10842-10849.	13.7	64
117	Hydroxystilbene Isomer-Specific Photoisomerization versus Proton Transfer. Journal of the American Chemical Society, 2003, 125, 4044-4045.	13.7	38
118	Torsional Barriers for Planar versus Twisted Singlet Styrenes. Journal of the American Chemical Society, 2003, 125, 2046-2047.	13.7	23
119	Conformer-specific photoisomerization of some 2-vinylbiphenyls. Photochemical and Photobiological Sciences, 2003, 2, 1059-1066.	2.9	23
120	Structures and Excited States of Extended and Folded Mono-, Di-, and Tri-N-Arylbenzamides. Journal of Physical Chemistry A, 2003, 107, 3254-3262.	2.5	22
121	Dynamics and Energetics of Single-Step Hole Transport in DNA Hairpins. Journal of the American Chemical Society, 2003, 125, 4850-4861.	13.7	120
122	Intramolecular excimer fluorescence from folded ground state rotamers of N,N'-dimethyl-N,N'-dipyrenylurea protophanes. Canadian Journal of Chemistry, 2003, 81, 770-776.	1.1	16
123	Donor-bridge-acceptor energetics determine the distance dependence of electron tunneling in DNA. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12536-12541.	7.1	155
124	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
125	Temperature- and Conformation-Dependent Luminescence of Benzanilides. Journal of Physical Chemistry A, 2002, 106, 1976-1984.	2.5	20
126	Dynamics of Inter- and Intrastrand Hole Transport in DNA Hairpins. Journal of the American Chemical Society, 2002, 124, 4568-4569.	13.7	50

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127	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
128	Dynamics of Electron Injection in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2002, 124, 11280-11281.	13.7	92
129	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
130	Luminescence of extended and folded N,N'-diarylureas. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 30-37.	2.9	20
131	Dynamics and Energetics of Hole Trapping in DNA by 7-Deazaguanine. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1026-1028.	13.8	17
132	DNA-Mediated Electron Transfer across Synthetic T:A...T Triplex Structures. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3485-3487.	13.8	20
133	A push-pull 4a,4b-dihydrophenanthrene. <i>Chemical Communications</i> , 2001, , 1372-1373.	4.1	8
134	Highly Regioselective Anaerobic Photocyclization of 3-Styrylpyridines. <i>Journal of the American Chemical Society</i> , 2001, 123, 3878-3884.	13.7	52
135	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
136	Relaxation Pathways of Photoexcited Diaminostilbenes. The meta-Amino Effect. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4691-4696.	2.5	28
137	Temperature-Dependent Photochemistry of 1,3-Diphenylpropenes. The Di- π -Methane Reaction Revisited. <i>Journal of the American Chemical Society</i> , 2001, 123, 11883-11889.	13.7	6
138	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
139	The Photochemistry of cis-ortho-, meta-, and para-Aminostilbenes. <i>Journal of Physical Chemistry A</i> , 2001, 105, 285-291.	2.5	27
140	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
141	Direct measurement of hole transport dynamics in DNA. <i>Nature</i> , 2000, 406, 51-53.	27.8	332
142	The Formation and Behavior of Fluorescent Lewis Acid-Base Exciplexes and Triplexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 8573-8574.	13.7	11
143	Dynamics and Equilibria for Oxidation of G, CG, and GCG Sequences in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2000, 122, 12037-12038.	13.7	87
144	Formation and Anomalous Behavior of Aminonaphthalene-Cinnamionitrile Exciplexes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3261-3268.	2.5	18

#	ARTICLE	IF	CITATIONS
145	Excited State Properties of Donor ⁺ Acceptor Substituted trans-Stilbenes: A Meta-Amino Effect. <i>Journal of Physical Chemistry A</i> , 2000, 104, 8146-8153.	2.5	80
146	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
147	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
148	The Di- π -methane Reaction of 3,3-Dimethyl-1,3-Diphenylpropene Revisited: Dynamics and Barriers for Competitive Singlet State Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 8571-8572.	13.7	3
149	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
150	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
151	Naphthalenedicarboxamides as Fluorescent Probes of Inter- and Intramolecular Electron Transfer in Single Strand, Hairpin, and Duplex DNA. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2570-2578.	2.6	27
152	The Photochemistry of trans-ortho-, meta-, and -para-Aminostilbenes. <i>Journal of the American Chemical Society</i> , 1999, 121, 12045-12053.	13.7	97
153	Luminescence of N-Arylbenzamides in Low-Temperature Glasses. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9678-9686.	2.5	23
154	Phototriggered DNA Hairpin Formation in a Stilbenediether-Linked Bis(oligonucleotide) Conjugate. <i>Journal of the American Chemical Society</i> , 1999, 121, 11928-11929.	13.7	32
155	Formation and behavior of intramolecular π - π (styrylalkyl)aniline exciplexes. <i>Canadian Journal of Chemistry</i> , 1999, 77, 595-604.	1.1	10
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