

Frederick D Lewis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

278
papers

9,832
citations

54
h-index

82
g-index

281
ext. papers

10,350
ext. citations

10.3
avg, IF

5.9
L-index

#	Paper	IF	Citations
278	Photocrosslinking between nucleic acids and proteins: general discussion. <i>Faraday Discussions</i> , 2018 , 207, 283-306	3.6	5
277	Fluorescent excimers and exciplexes of the purine base derivative 8-phenylethynyl-guanine in DNA hairpins. <i>Faraday Discussions</i> , 2018 , 207, 217-232	3.6	2
276	Tracking Photoinduced Charge Separation in DNA: from Start to Finish. <i>Accounts of Chemical Research</i> , 2018 , 51, 1746-1754	24.3	28
275	Efficient Charge Transport via DNA G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1730-1733	16.4	23
274	Dynamics of Charge Injection and Charge Recombination in DNA Mini-Hairpins. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 7042-7047	3.4	3
273	Self-Assembly of Perylenediimide-Single-Strand-DNA Conjugates: Employing Hydrophobic Interactions and DNA Base-Pairing To Create a Diverse Structural Space. <i>Chemistry - A European Journal</i> , 2017 , 23, 10328-10337	4.8	11
272	Structure and Dynamics of Electron Injection and Charge Recombination in i-Motif DNA Conjugates. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 8058-8068	3.4	4
271	Tracking Hole Transport in DNA Hairpins Using a Phenylethynylguanine Nucleobase. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12084-12092	16.4	9
270	Deep-hole transfer leads to ultrafast charge migration in DNA hairpins. <i>Nature Chemistry</i> , 2016 , 8, 1015-1021	10.2	51
269	High-Energy Long-Lived Mixed Frenkel-Charge-Transfer Excitons: From Double Stranded (AT) _n to Natural DNA. <i>Chemistry - A European Journal</i> , 2016 , 22, 4904-14	4.8	16
268	Hole transport in DNA hairpins via base mismatches and strand crossings: Efficiency and dynamics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 331, 160-164	4.7	
267	Direct Observation of the Hole Carriers in DNA Photoinduced Charge Transport. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5491-4	16.4	41
266	Electronic Interactions of Michler's Ketone with DNA Bases in Synthetic Hairpins. <i>Photochemistry and Photobiology</i> , 2015 , 91, 739-47	3.6	
265	Charge Transport across DNA-Based Three-Way Junctions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5113-22	16.4	35
264	Natural and artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2015 , 185, 187-217	3.6	3
263	Luminescence sensing and imaging: general discussion. <i>Faraday Discussions</i> , 2015 , 185, 311-35	3.6	2
262	Self-organization of photo-active nanostructures: general discussion. <i>Faraday Discussions</i> , 2015 , 185, 529-48	3.6	2

261	Conformationally Gated Charge Transfer in DNA Three-Way Junctions. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2434-8	6.4	20
260	Raising the barrier for photoinduced DNA charge injection with a cyclohexyl artificial base pair. <i>Faraday Discussions</i> , 2015 , 185, 105-20	3.6	10
259	Mechanism and Dynamics of Electron Injection and Charge Recombination in DNA. Dependence on Neighboring Pyrimidines. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7673-80	3.4	9
258	Ground and excited state electronic spectra of perylene diimide dimers with flexible and rigid geometries in DNA conjugates. <i>Chemical Science</i> , 2014 , 5, 973-981	9.4	16
257	Effect of Mg ²⁺ cations on the dynamics and efficiency of hole transport in DNA. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 10359-63	2.8	2
256	Thymine photodimer formation in DNA hairpins. Unusual conformations favor (6 - 4) vs. (2 + 2) adducts. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 266-71	4.2	9
255	Structure and electronic spectra of purine-methyl viologen charge transfer complexes. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 125-33	3.4	17
254	Wirelike charge transport dynamics for DNA-lipid complexes in chloroform. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15792-7	16.4	6
253	Photoselective DNA hairpin spin switches. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10970-3	16.4	17
252	Ultrafast excited-state dynamics in hexaethyleneglycol-linked DNA homoduplexes made of A/T base pairs. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10290-3	16.4	37
251	Electronic excited states of guanine-cytosine hairpins and duplexes studied by fluorescence spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 1453-9	4.2	11
250	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, 3953-63	16.4	102
249	Distance-Dependent Electronic Interactions Across DNA Base Pairs: Charge Transport, Exciton Coupling, and Energy Transfer. <i>Israel Journal of Chemistry</i> , 2013 , 53, 350-365	3.4	20
248	Thermal response of DNA supramolecular polymers assembled with hydrophobic sticky ends. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 14649-54	3.4	1
247	Dynamics and efficiency of photoinduced charge transport in DNA: Toward the elusive molecular wire. <i>Pure and Applied Chemistry</i> , 2013 , 85, 1379-1387	2.1	11
246	Electronic interactions in helical stacked arrays of the modified DNA base pyrrolocytosine. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5199-204	3.4	5
245	Thymine dimer photoreversal in purine-containing trinucleotides. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 698-704	3.4	26
244	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, 11251-60	16.4	24

243	Dynamics and efficiency of hole transport in LNA:DNA hybrid diblock oligomers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16434-40	16.4	12
242	Facially-selective thymine-thymine photodimerization in TTT triads. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 889-92	4.2	2
241	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, 11447-58	3.4	21
240	Increasing the speed limit for hole transport in DNA. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11485-7	16.4	38
239	Base Pair Sequence and Hole Transfer through DNA: Rational Design of Molecular Wires 2011 , 133-156		1
238	Conformational Control of Thymine Photodimerization in Purine-Containing Trinucleotides. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1432-1438	6.4	24
237	Electron donor-acceptor interactions with flanking purines influence the efficiency of thymine photodimerization. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20793-8	16.4	41
236	Conformation of a dodecane DNA hairpin linker. Multiple gauche bonds cover the bases. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 3740-6	3.4	5
235	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	3.8	17
234	Hydrophobic self-assembly of a perylenediimide-linked DNA dumbbell into supramolecular polymers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15808-13	16.4	80
233	Structure and stability of alkane-linked DNA hairpin conjugates. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6236-43	4.2	7
232	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, 14265-72	3.4	20
231	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, 12856-8	16.4	26
230	Conformational control of TT dimerization in DNA conjugates. A molecular dynamics study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 5215-21	3.4	57
229	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, 14388-90	16.4	77
228	Kinetics of charge separation in poly(A)-poly(T) DNA hairpins. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6732-9	3.4	21
227	DNA base-pair flipping with fluorescent perylenediimide pincers. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 916-22	4.2	20
226	Dynamics of ultrafast singlet and triplet charge transfer in anthraquinone-DNA conjugates. <i>Journal of the American Chemical Society</i> , 2010 , 132, 444-5	16.4	43

225	Electron hopping among cofacially stacked perylenediimides assembled by using DNA hairpins. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2385-8	16.4	70
224	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, 989-94	11.5	22
223	Structure and photoinduced electron transfer in DNA hairpin conjugates possessing a tethered 5Pyrenecarboxamide. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 16276-84	3.4	23
222	Charge recombination in DNA hairpins controlled by counterions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 400-1	16.4	11
221	Efficient charge transport in DNA diblock oligomers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9722-7	16.4	64
220	Hydrophobic dimerization and thermal dissociation of perylenediimide-linked DNA hairpins. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5920-9	16.4	65
219	Dynamics of Photochemical Electron Injection and Efficiency of Electron Transport in DNA. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16790-16797	16.4	35
218	Excited state, charge transfer, and spin dynamics in DNA hairpin conjugates with perylenediimide hairpin linkers. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 4691-700	2.8	33
217	Getting to guanine: mechanism and dynamics of charge separation and charge recombination in DNA revisited. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 534-9	4.2	33
216	Photoinduced charge separation in pyrenedicarboxamide-linked DNA hairpins. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1501-8	4.2	13
215	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, 11415-21	3.4	16
214	Context-dependent photodimerization in isolated thymine-thymine steps in DNA. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11870-1	16.4	21
213	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, 13945-55	16.4	88
212	Reversible bridge-mediated excited-state symmetry breaking in stilbene-linked DNA dumbbells. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3838-43	3.4	26
211	DNA electron transfer mechanism and dynamics. <i>Nucleic Acids Symposium Series</i> , 2008 , 95-6		1
210	DNA-templated formation and luminescence of diphenylacetylene dimeric and trimeric complexes. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 854-9	4.2	10
209	The influence of guanine on DNA hole transport efficiency. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3798-800	16.4	20
208	Structure and electronic spectra of DNA mini-hairpins with G(n):C(n) stems. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13101-6	3.4	15

207	Circular dichroism spectra of DNA hairpins studied by the green function method. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3982-9	3.4	4
206	Bimolecular Photochemical Reactions of the Stilbenes. <i>Advances in Photochemistry</i> , 2007 , 165-235		11
205	A perylenedicarboxamide linker for DNA hairpins. <i>Tetrahedron</i> , 2007 , 63, 3457-3464	2.4	29
204	DNA Molecular Photonics. <i>Photochemistry and Photobiology</i> , 2007 , 81, 65-72	3.6	1
203	Synthesis and properties of nicked dumbbell and dumbbell DNA conjugates having stilbenedicarboxamide linkers. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 450-6	3.9	15
202	Molecular wire behavior in pi-stacked donor-bridge-acceptor tertiary arylureas. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9848-9	16.4	40
201	Dynamics and efficiency of DNA hole transport via alternating AT versus poly(A) sequences. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15130-1	16.4	31
200	Pyrene excimer fluorescence as a probe for parallel G-quadruplex formation. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1213-7	6.3	43
199	Photochromic dibenzobarrlenes: long-lived triplet biradical intermediates. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9439-45	16.4	32
198	Hole mobility in DNA a tracts. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7982-5	16.4	77
197	Hole Mobility in DNA A Tracts. <i>Angewandte Chemie</i> , 2006 , 118, 8150-8153	3.6	17
196	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, 3534-9	11.5	84
195	Solvent dependent photocyclization and photophysics of some 2-ethynylbiphenyls. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 369-75	4.2	10
194	A cooperative beads-on-a-string approach to exceptionally stable DNA triplexes. <i>Chemical Communications</i> , 2006 , 3830-2	5.8	28
193	Alpha- and beta-stilbenosides as base-pair surrogates in DNA hairpins. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 314-22	3.9	11
192	Dynamics of Photoinitiated Hole and Electron Injection in Duplex DNA 2006 , 93-116		3
191	Dynamics and mechanism of bridge-dependent charge separation in pyrenylurea-nitrobenzene pi-stacked protophanes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4792-801	16.4	26
190	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	16.4	156

189	Stabilization of DNA Hairpins by Stilbene Capping of the Terminal Base Pair. <i>Journal of the Chinese Chemical Society</i> , 2006 , 53, 1501-1507	1.5	12
188	DNA photonics. <i>Pure and Applied Chemistry</i> , 2006 , 78, 2287-2295	2.1	9
187	Ring-closing photoisomerization of some 2,6-diarylstyrenes. <i>Photochemistry and Photobiology</i> , 2006 , 82, 119-22	3.6	3
186	Photocyclization of a conformationally constrained 2-vinylbiphenyl. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 789-91	4.2	6
185	Photocyclization of 2-vinyldiphenylacetylenes and behavior of the isonaphthalene intermediates. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 629-36	4.2	12
184	Duplex and hairpin dimer structures for perylene diimide-oligonucleotide conjugates. <i>Chemical Communications</i> , 2005 , 4795-7	5.8	90
183	Electronic interactions between pi-stacked chromophores in nonsymmetric tertiary naphthyl di- and polyarylureas. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 8106-12	2.8	6
182	Ultrafast proton transfer dynamics of hydroxystilbene photoacids. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 2443-51	2.8	37
181	Convergent synthesis of nonsymmetric pi-stacked protophanes assembled with urea linkers. <i>Journal of Organic Chemistry</i> , 2005 , 70, 2974-9	4.2	7
180	Competitive 1,2- and 1,5-hydrogen shifts following 2-vinylbiphenyl photocyclization. <i>Journal of Organic Chemistry</i> , 2005 , 70, 10447-52	4.2	16
179	Electronic interactions in tertiary oligophenylureas. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4893-9	3.4	12
178	Orientation control of fluorescence resonance energy transfer using DNA as a helical scaffold. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10002-3	16.4	73
177	DNA as helical ruler: exciton-coupled circular dichroism in DNA conjugates. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14445-53	16.4	110
176	Absolute rates of hole transfer in DNA. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14894-903	16.4	303
175	DNA molecular photonics. <i>Photochemistry and Photobiology</i> , 2005 , 81, 65-72	3.6	54
174	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, 341-7	4.2	4
173	Positional effects of the hydroxy substituent on the photochemical and photophysical behavior of 3- and 4-hydroxystilbene. <i>Photochemical and Photobiological Sciences</i> , 2004 , 3, 660-8	4.2	33
172	Polyaryl anion radicals via alkali metal reduction of arylurea oligomers. <i>Organic Letters</i> , 2004 , 6, 1605-8	6.2	16

171	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	2.8	9
170	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, 8206-154	16.4	59
169	Dynamics and Equilibrium for Single Step Hole Transport Processes in Duplex DNA. <i>Topics in Current Chemistry</i> , 2004 , 45-65		28
168	Reversible formation of DNA G-quadruplex hairpin dimers from stilbenediether conjugates. <i>Chemical Communications</i> , 2004 , 636-7	5.8	6
167	Ground-state conformational equilibrium and photochemical behavior of syn and anti N,NPdimethyl-N,NPdi-1-naphthylurea protophanes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13760-7	16.4	36
166	Activated decay pathways for planar vs twisted singlet phenylalkenes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8806-13	16.4	28
165	N,NPdimethyl-N,NPdiarylurea anion radicals: an intramolecular reductive elimination. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1460-1	16.4	12
164	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, 9329-42	16.4	116
163	Stepwise evolution of the structure and electronic properties of DNA. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12729-31	16.4	48
162	Face-to-face and edge-to-face pi-pi interactions in a synthetic DNA hairpin with a stilbenediether linker. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10842-9	16.4	60
161	Hydroxystilbene isomer-specific photoisomerization versus proton transfer. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4044-5	16.4	38
160	Torsional barriers for planar versus twisted singlet styrenes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2046-7	16.4	22
159	Conformer-specific photoisomerization of some 2-vinylbiphenyls. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 1059-66	4.2	22
158	Structures and Excited States of Extended and Folded Mono-, Di-, and Tri-N-Arylbenzamides. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 3254-3262	2.8	22
157	Dynamics and energetics of single-step hole transport in DNA hairpins. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4850-61	16.4	109
156	Intramolecular excimer fluorescence from folded ground state rotamers of N,NPdimethyl-N,NPdi-pyrenylurea protophanes. <i>Canadian Journal of Chemistry</i> , 2003 , 81, 770-776	0.9	16
155	Dynamics and energetics of hole trapping in DNA by 7-deazaguanine. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1026-8	16.4	14
154	DNA-mediated electron transfer across synthetic T:A:T triplex structures. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3485-7	16.4	18

153	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, 12536-41	11.5	148
152	Symmetry-enforced conformational control of photochemical reactivity in 2-vinyl-1,3-terphenyl. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13664-5	16.4	29
151	Temperature- and Conformation-Dependent Luminescence of Benzanilides \square <i>Journal of Physical Chemistry A</i> , 2002 , 106, 1976-1984	2.8	19
150	Dynamics of inter- and intrastrand hole transport in DNA hairpins. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4568-9	16.4	43
149	Synthesis, structure, and photochemistry of exceptionally stable synthetic DNA hairpins with stilbene diether linkers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12165-73	16.4	69
148	Dynamics of electron injection in DNA hairpins. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11280-1	16.4	75
147	Formation and decay of localized contact radical ion pairs in DNA hairpins. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14020-6	16.4	39
146	Luminescence of extended and folded N,NPdiarylureas. <i>Photochemical and Photobiological Sciences</i> , 2002 , 1, 30-7	4.2	18
145	Dynamics of superexchange photoinduced electron transfer in duplex DNA. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2001 , 2, 1-16	16.4	70
144	A pushpull 4a,4b-dihydrophenanthrene. <i>Chemical Communications</i> , 2001 , 1372-1373	5.8	4
143	Highly regioselective anaerobic photocyclization of 3-styrylpyridines. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3878-84	16.4	44
142	Dynamics of photoinduced charge transfer and hole transport in synthetic DNA hairpins. <i>Accounts of Chemical Research</i> , 2001 , 34, 159-70	24.3	503
141	Relaxation Pathways of Photoexcited Diaminostilbenes. The meta-Amino Effect. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 4691-4696	2.8	25
140	Temperature-dependent photochemistry of 1,3-diphenylpropenes. The di-pi-methane reaction revisited. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11883-9	16.4	6
139	Optically active BINOL core-based phenyleneethynylene dendrimers for the enantioselective fluorescent recognition of amino alcohols. <i>Journal of Organic Chemistry</i> , 2001 , 66, 6136-40	4.2	100
138	The Photochemistry of cis-ortho-, meta-, and para-Aminostilbenes. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 285-291	2.8	23
137	Direct measurement of hole transport dynamics in DNA. <i>Nature</i> , 2000 , 406, 51-3	50.4	301
136	The Formation and Behavior of Fluorescent Lewis AcidBase Exciplexes and Triplexes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 8573-8574	16.4	9

135	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	16.4	82
134	Formation and Anomalous Behavior of Aminonaphthalene π -Cinnamitrile Exciplexes. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3261-3268	2.8	17
133	Excited State Properties of Donor-Acceptor Substituted trans-Stilbenes: The meta-Amino Effect. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 8146-8153	2.8	76
132	Driving Force Dependence of Electron Transfer Dynamics in Synthetic DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2000 , 122, 12346-12351	16.4	162
131	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	16.4	151
130	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	16.4	2
129	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	16.4	108
128	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	16.4	40
127	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	3.4	24
126	The Photochemistry of trans-ortho-, -meta-, and -para-Aminostilbenes. <i>Journal of the American Chemical Society</i> , 1999 , 121, 12045-12053	16.4	87
125	Luminescence of N-Arylbenzamides in Low-Temperature Glasses. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 9678-9686	2.8	22
124	Phototriggered DNA Hairpin Formation in a Stilbenediether-Linked Bis(oligonucleotide) Conjugate. <i>Journal of the American Chemical Society</i> , 1999 , 121, 11928-11929	16.4	30
123	Formation and behavior of intramolecular N-(styrylalkyl)aniline exciplexes. <i>Canadian Journal of Chemistry</i> , 1999 , 77, 595-604	0.9	9
122	Photochemical synthesis of medium-ring azalactams from N-(aminoalkyl)-2-stilbenecarboxamides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998 , 112, 159-164	4.7	6
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