

# Graham R Fleming

## 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.

240  
papers

31,914  
citations

88  
h-index

176  
g-index

254  
ext. papers

34,280  
ext. citations

6.7  
avg. IF

7.28  
L-index

#	Paper	IF	Citations
240	Synthetic Control of Exciton Dynamics in Bioinspired Cofacial Porphyrin Dimers.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	3
239	The initial charge separation step in oxygenic photosynthesis.. <i>Nature Communications</i> , <b>2022</b> , 13, 2275	17.4	4
238	Concerted Electron-Nuclear Motion in Proton-Coupled Electron Transfer-Driven Grotthuss-Type Proton Translocation.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 4479-4485	6.4	0
237	Tribute to Yoshitaka Tanimura. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 11785-11786	3.4	
236	Insights into Photosynthetic Energy Transfer Gained from Free-Energy Structure: Coherent Transport, Incoherent Hopping, and Vibrational Assistance Revisited. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 3286-3295	3.4	3
235	Two-dimensional electronic-vibrational spectroscopy: Exploring the interplay of electrons and nuclei in excited state molecular dynamics. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 020901	3.9	5
234	Electron-Nuclear Dynamics Accompanying Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3104-3112	16.4	14
233	Vibronic coupling in energy transfer dynamics and two-dimensional electronic-vibrational spectra. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 054201	3.9	3
232	Vibronic coupling in light-harvesting complex II revisited. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 096101	3.9	1
231	Lineshape characterization of excitons in monolayer WS <sub>2</sub> by two-dimensional electronic spectroscopy. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 2333-2338	5.1	2
230	Solvent Mediated Excited State Proton Transfer in Indigo Carmine. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4156-4162	6.4	17
229	Vibronic mixing enables ultrafast energy flow in light-harvesting complex II. <i>Nature Communications</i> , <b>2020</b> , 11, 1460	17.4	38
228	A proteoliposome-based system reveals how lipids control photosynthetic light harvesting. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 1857-1866	5.4	17
227	Interconnection of the Antenna Pigment 8-HDF and Flavin Facilitates Red-Light Reception in a Bifunctional Animal-like Cryptochrome. <i>Biochemistry</i> , <b>2020</b> , 59, 594-604	3.2	4
226	Two-Dimensional Electronic-Vibrational Spectroscopy Reveals Cross-Correlation between Solvation Dynamics and Vibrational Spectral Diffusion. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 11222-11235	3.4	9
225	Complex Roles of PsbS and Xanthophylls in the Regulation of Nonphotochemical Quenching in under Fluctuating Light. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 10311-10325	3.4	7
224	The role of resonant nuclear modes in vibrationally assisted energy transport: The LHCII complex. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 044119	3.9	12

223	Quantum Ratcheted Photophysics in Energy Transport. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8337-8345	6.4	4
222	The role of mixed vibronic Q-Q states in green light absorption of light-harvesting complex II. <i>Nature Communications</i> , <b>2020</b> , 11, 6011	17.4	13
221	Two-dimensional electronic-vibrational spectroscopic study of conical intersection dynamics: an experimental and electronic structure study. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 14153-14163	3.6	26
220	Snapshot transient absorption spectroscopy: toward in vivo investigations of nonphotochemical quenching mechanisms. <i>Photosynthesis Research</i> , <b>2019</b> , 141, 367-376	3.7	4
219	Two-dimensional electronic vibrational spectroscopy and ultrafast excitonic and vibronic photosynthetic energy transfer. <i>Faraday Discussions</i> , <b>2019</b> , 216, 116-132	3.6	16
218	Models and mechanisms of the rapidly reversible regulation of photosynthetic light harvesting. <i>Open Biology</i> , <b>2019</b> , 9, 190043	7	23
217	Two-Dimensional Electronic-Vibrational Spectroscopy of Coupled Molecular Complexes: A Near-Analytical Approach. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2081-2089	6.4	21
216	Site-Dependent Fluctuations Optimize Electronic Energy Transfer in the Fenna-Matthews-Olson Protein. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 9762-9772	3.4	19
215	Two-Dimensional Electronic Vibrational Spectroscopy. <i>Springer Series in Optical Sciences</i> , <b>2019</b> , 35-49	0.5	2
214	Chlorophyll-carotenoid excitation energy transfer and charge transfer in for the regulation of photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3385-3390	11.5	54
213	Exchange-driven intravalley mixing of excitons in monolayer transition metal dichalcogenides. <i>Nature Physics</i> , <b>2019</b> , 15, 228-232	16.2	43
212	Single-photon absorption by single photosynthetic light-harvesting complexes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2018</b> , 51, 054002	1.3	19
211	The contributions of 49ers to the measurements and models of ultrafast photosynthetic energy transfer. <i>Photosynthesis Research</i> , <b>2018</b> , 135, 3-8	3.7	2
210	Quantitative modeling of energy dissipation in Arabidopsis thaliana. <i>Environmental and Experimental Botany</i> , <b>2018</b> , 154, 99-109	5.9	7
209	Energy-dependent quenching adjusts the excitation diffusion length to regulate photosynthetic light harvesting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E9523-E9531	11.5	20
208	Chlorophyll-Carotenoid Excitation Energy Transfer in High-Light-Exposed Thylakoid Membranes Investigated by Snapshot Transient Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11965-11973	16.4	29
207	Two mechanisms for dissipation of excess light in monomeric and trimeric light-harvesting complexes. <i>Nature Plants</i> , <b>2017</b> , 3, 17033	11.5	95
206	Using coherence to enhance function in chemical and biophysical systems. <i>Nature</i> , <b>2017</b> , 543, 647-656	50.4	367

205	Snapshot Transient Absorption Spectroscopy of Carotenoid Radical Cations in High-Light-Acclimating Thylakoid Membranes. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 5548-5554	6.4	20
204	Dissecting and modeling zeaxanthin- and lutein-dependent nonphotochemical quenching in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7009-E7017	11.5	25
203	Room-Temperature Coherent Optical Phonon in 2D Electronic Spectra of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite as a Possible Cooling Bottleneck. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3211-3215	6.4	59
202	Quasi-Bell inequalities from symmetrized products of noncommuting qubit observables. <i>Journal of Mathematical Physics</i> , <b>2017</b> , 58, 052107	1.2	
201	Artificial Photosynthetic Reaction Center Exhibiting Acid-Responsive Regulation of Photoinduced Charge Separation. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 10553-10562	3.4	6
200	Characterizing non-photochemical quenching in leaves through fluorescence lifetime snapshots. <i>Photosynthesis Research</i> , <b>2016</b> , 127, 69-76	3.7	16
199	Multiscale model of light harvesting by photosystem II in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 1156-61	11.5	59
198	Two-Dimensional Electronic-Vibrational Spectroscopy of Chlorophyll a and b. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 831-7	6.4	48
197	Identification of pH-sensing Sites in the Light Harvesting Complex Stress-related 3 Protein Essential for Triggering Non-photochemical Quenching in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 7334-46	5.4	71
196	Disorder-Induced Quantum Beats in Two-Dimensional Spectra of Excitonically Coupled Molecules. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 277-82	6.4	6
195	Exciton-exciton annihilation and relaxation pathways in semiconducting carbon nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 1618-26	7.7	16
194	Renewables need a grand-challenge strategy. <i>Nature</i> , <b>2016</b> , 538, 27-29	50.4	22
193	Rapid and economical data acquisition in ultrafast frequency-resolved spectroscopy using choppers and a microcontroller. <i>Optics Express</i> , <b>2016</b> , 24, 18126-32	3.3	5
192	Observation of Electronic Excitation Transfer Through Light Harvesting Complex II Using Two-Dimensional Electronic-Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4197-4206	6.4	43
191	Coulomb Screening and Coherent Phonon in Methylammonium Lead Iodide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 3284-9	6.4	24
190	Influences of Quantum Mechanically Mixed Electronic and Vibrational Pigment States in 2D Electronic Spectra of Photosynthetic Systems: Strong Electronic Coupling Cases. <i>Journal of the Chinese Chemical Society</i> , <b>2016</b> , 63, 49-56	1.5	3
189	Following Coupled Electronic-Nuclear Motion through Conical Intersections in the Ultrafast Relaxation of $\beta$ -Carotene. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 11428-41	3.4	37
188	Measuring correlated electronic and vibrational spectral dynamics using line shapes in two-dimensional electronic-vibrational spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 174202	3.9	39

187	Determining the static electronic and vibrational energy correlations via two-dimensional electronic-vibrational spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 174201	3.9	33
186	Exciton and Free Charge Dynamics of Methylammonium Lead Iodide Perovskites Are Different in the Tetragonal and Orthorhombic Phases. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 19590-19595	3.8	60
185	A method for the direct measurement of electronic site populations in a molecular aggregate using two-dimensional electronic-vibrational spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 124203	3.9	17
184	Influence of weak vibrational-electronic couplings on 2D electronic spectra and inter-site coherence in weakly coupled photosynthetic complexes. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 065101	3.9	30
183	Impact of environmentally induced fluctuations on quantum mechanically mixed electronic and vibrational pigment states in photosynthetic energy transfer and 2D electronic spectra. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212403	3.9	75
182	Coherent Exciton Dynamics in the Presence of Underdamped Vibrations. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 627-32	6.4	53
181	Role of electronic-vibrational mixing in enhancing vibrational coherences in the ground electronic states of photosynthetic bacterial reaction center. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 1381-8	3.4	36
180	Generalized master equation with non-Markovian multichromophoric Förster resonance energy transfer for modular exciton densities. <i>Physical Review Letters</i> , <b>2014</b> , 113, 188102	7.4	34
179	Insights into the structural changes occurring upon photoconversion in the orange carotenoid protein from broadband two-dimensional electronic spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 5382-9	3.4	14
178	Correlating the motion of electrons and nuclei with two-dimensional electronic-vibrational spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10061-6	11.5	127
177	Regulation of photosystem I light harvesting by zeaxanthin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2431-8	11.5	59
176	Distinct roles of the photosystem II protein PsbS and zeaxanthin in the regulation of light harvesting in plants revealed by fluorescence lifetime snapshots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17498-503	11.5	39
175	Two-dimensional fluorescence-detected coherent spectroscopy with absolute phasing by confocal imaging of a dynamic grating and 27-step phase-cycling. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 194201	3.9	36
174	Models and measurements of energy-dependent quenching. <i>Photosynthesis Research</i> , <b>2013</b> , 116, 389-409	9.7	42
173	A structure-based model of energy transfer reveals the principles of light harvesting in photosystem II supercomplexes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9164-73	16.4	90
172	A thioredoxin-like propeller protein maintains the efficiency of light harvesting in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E2733-40	11.5	52
171	The separation of overlapping transitions in . <i>Chemical Physics Letters</i> , <b>2012</b> , 523, 1-5	2.5	20
170	Ultrafast Multidimensional Spectroscopy: Principles and Applications to Photosynthetic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2012</b> , 18, 283-295	3.8	35

169	Quantum Coherence in Photosynthetic Light Harvesting. <i>Annual Review of Condensed Matter Physics</i> , <b>2012</b> , 3, 333-361	19.7	190
168	Determination of Excited-State Energies and Dynamics in the B Band of the Bacterial Reaction Center with 2D Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2487-92	6.4	27
167	A kinetic model of rapidly reversible nonphotochemical quenching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15757-62	11.5	94
166	Elucidation of the timescales and origins of quantum electronic coherence in LHCII. <i>Nature Chemistry</i> , <b>2012</b> , 4, 389-95	17.6	140
165	Design principles of photosynthetic light-harvesting. <i>Faraday Discussions</i> , <b>2012</b> , 155, 27-41; discussion 103-14	3.6	94
164	Fluorescence lifetime snapshots reveal two rapidly reversible mechanisms of photoprotection in live cells of <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8405-10	11.5	34
163	Microscopic quantum coherence in a photosynthetic-light-harvesting antenna. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 3672-91	3	30
162	Quantum-coherent energy transfer: implications for biology and new energy technologies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 3613-7	3	9
161	Robert Silbey 1940-2011. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 3618-9	3	
160	Structure, Dynamics, and Function in the Major Light-Harvesting Complex of Photosystem II. <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 583	1.2	7
159	Mimicking the role of the antenna in photosynthetic photoprotection. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2916-22	16.4	67
158	Solving structure in the CP29 light harvesting complex with polarization-phased 2D electronic spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 3848-53	11.5	44
157	On the interpretation of quantum coherent beats observed in two-dimensional electronic spectra of photosynthetic light harvesting complexes. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6227-33	3.4	88
156	Lessons from nature about solar light harvesting. <i>Nature Chemistry</i> , <b>2011</b> , 3, 763-74	17.6	1293
155	Comparing photosynthetic and photovoltaic efficiencies and recognizing the potential for improvement. <i>Science</i> , <b>2011</b> , 332, 805-9	33.3	1143
154	Quantum coherence in photosynthetic complexes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 833-838	1.3	19
153	Two-dimensional electronic spectroscopy and photosynthesis: Fundamentals and applications to photosynthetic light-harvesting. <i>Chemical Physics</i> , <b>2011</b> , 386, 1-22	2.3	128
152	Iterative path-integral algorithm versus cumulant time-nonlocal master equation approach for dissipative biomolecular exciton transport. <i>New Journal of Physics</i> , <b>2011</b> , 13, 063040	2.9	76



151	Analysis of LhcSR3, a protein essential for feedback de-excitation in the green alga <i>Chlamydomonas reinhardtii</i> . <i>PLoS Biology</i> , <b>2011</b> , 9, e1000577	9.7	204
150	Mapping the spatial overlap of excitons in a photosynthetic complex via coherent nonlinear frequency generation. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 044201	3.9	13
149	Quantum entanglement in photosynthetic light-harvesting complexes. <i>Nature Physics</i> , <b>2010</b> , 6, 462-467	16.2	480
148	Quantum coherence and its interplay with protein environments in photosynthetic electronic energy transfer. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 7319-37	3.6	281
147	Spectroscopic elucidation of uncoupled transition energies in the major photosynthetic light-harvesting complex, LHClI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13276-81	11.5	59
146	Quantum superpositions in photosynthetic light harvesting: delocalization and entanglement. <i>New Journal of Physics</i> , <b>2010</b> , 12, 055004	2.9	80
145	Dephasing in semiconducting single-walled carbon nanotubes induced by exciton-exciton annihilation. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	19
144	Lutein can act as a switchable charge transfer quencher in the CP26 light-harvesting complex. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 2830-2835	5.4	65
143	Ultrafast Mid-Infrared Intra-Excitonic Response of Individualized Single-Walled Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1230, 1		
142	Excited-state dynamics of 8'-apo-beta-caroten-8'-al and 7',7'-dicyano-7'-apo-beta-carotene studied by femtosecond time-resolved infrared spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 13086-95 <sup>4</sup>	3.4	22
141	Photon echo studies of photosynthetic light harvesting. <i>Photosynthesis Research</i> , <b>2009</b> , 101, 233-43	3.7	15
140	Investigating energy partitioning during photosynthesis using an expanded quantum yield convention. <i>Chemical Physics</i> , <b>2009</b> , 357, 151-158	2.3	24
139	Dynamics of light harvesting in photosynthesis. <i>Annual Review of Physical Chemistry</i> , <b>2009</b> , 60, 241-62	15.7	612
138	Pigment organization and energy level structure in light-harvesting complex 4: insights from two-dimensional electronic spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6495-504	3.4	23
137	Quantum coherence enabled determination of the energy landscape in light-harvesting complex II. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 16291-5	3.4	244
136	Unified treatment of quantum coherent and incoherent hopping dynamics in electronic energy transfer: reduced hierarchy equation approach. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 234111	3.9	513
135	Theoretical examination of quantum coherence in a photosynthetic system at physiological temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17255-60	11.5	655
134	Pathways of energy flow in LHClI from two-dimensional electronic spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 15352-63	3.4	152

133	Two-dimensional electronic spectroscopy of molecular aggregates. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1352-63	24.3	138
132	On the adequacy of the Redfield equation and related approaches to the study of quantum dynamics in electronic energy transfer. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 234110	3.9	316
131	Lutein accumulation in the absence of zeaxanthin restores nonphotochemical quenching in the <i>Arabidopsis thaliana</i> npq1 mutant. <i>Plant Cell</i> , <b>2009</b> , 21, 1798-812	11.6	156
130	Visualization of excitonic structure in the Fenna-Matthews-Olson photosynthetic complex by polarization-dependent two-dimensional electronic spectroscopy. <i>Biophysical Journal</i> , <b>2008</b> , 95, 847-56	2.9	97
129	Coherence quantum beats in two-dimensional electronic spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 4254-60	2.8	141
128	Architecture of a charge-transfer state regulating light harvesting in a plant antenna protein. <i>Science</i> , <b>2008</b> , 320, 794-7	33.3	449
127	Kinetic modeling of charge-transfer quenching in the CP29 minor complex. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 13418-23	3.4	24
126	Nonlinear Femtosecond Optical Spectroscopy Techniques in Photosynthesis. <i>Advances in Photosynthesis and Respiration</i> , <b>2008</b> , 201-222	1.7	3
125	Zeaxanthin radical cation formation in minor light-harvesting complexes of higher plant antenna. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 3550-3558	5.4	184
124	Measuring electronic coupling in the reaction center of purple photosynthetic bacteria by two-color, three-pulse photon echo peak shift spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 7449-56	3.4	25
123	Excited State Structural Dynamics of the Charge Transfer State of Peridinin. <i>Israel Journal of Chemistry</i> , <b>2007</b> , 47, 17-24	3.4	27
122	Coherence dynamics in photosynthesis: protein protection of excitonic coherence. <i>Science</i> , <b>2007</b> , 316, 1462-5	33.3	869
121	Electron Transfer and Solvent Dynamics in Two- and Three-State Systems. <i>Advances in Chemical Physics</i> , <b>2007</b> , 311-370		22
120	Elucidation of population and coherence dynamics using cross-peaks in two-dimensional electronic spectroscopy. <i>Chemical Physics</i> , <b>2007</b> , 341, 285-295	2.3	61
119	Evidence for wavelike energy transfer through quantum coherence in photosynthetic systems. <i>Nature</i> , <b>2007</b> , 446, 782-6	50.4	2311
118	Cross-peak-specific two-dimensional electronic spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14203-8	11.5	129
117	Applications of Continuously Operating, Synchronously Mode-Locked Lasers. <i>Advances in Chemical Physics</i> , <b>2007</b> , 1-45		9
116	Spectroscopy of zigzag single-walled carbon nanotubes: Comparing femtosecond transient absorption spectra with ab initio calculations. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	27



115	Two-dimensional electronic spectroscopy of the B800-B820 light-harvesting complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12672-7	11.5	181
114	Two-dimensional optical three-pulse photon echo spectroscopy. I. Nonperturbative approach to the calculation of spectra. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 234504	3.9	58
113	Two-dimensional optical three-pulse photon echo spectroscopy. II. Signatures of coherent electronic motion and exciton population transfer in dimer two-dimensional spectra. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 234505	3.9	103
112	Investigation of the excited state structure of DCM via ultrafast electronic pump/vibrational probe. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 18989-95	3.4	33
111	Two Dimensional Electronic Spectroscopy of Molecular Complexes. <i>Journal of the Chinese Chemical Society</i> , <b>2006</b> , 53, 15-24	1.5	49
110	The Design of Natural Photosynthetic Antenna Systems <b>2006</b> , 67-85		
109	The integrated photon echo and solvation dynamics. II. Peak shifts and two-dimensional photon echo of a coupled chromophore system. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 114506	3.9	56
108	Anti-correlated spectral motion in bisphthalocyanines: evidence for vibrational modulation of electronic mixing. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 10870-9	2.8	15
107	Carotenoid cation formation and the regulation of photosynthetic light harvesting. <i>Science</i> , <b>2005</b> , 307, 433-6	33.3	644
106	Energy Transfer and Photosynthetic Light Harvesting. <i>Advances in Chemical Physics</i> , <b>2005</b> , 57-129		21
105	Carotenoid-chlorophyll complexes: Ready-to-harvest. <i>Pure and Applied Chemistry</i> , <b>2005</b> , 77, 925-945	2.1	10
104	Exciton analysis in 2D electronic spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 10542-56	3.4	360
103	Two-dimensional spectroscopy of electronic couplings in photosynthesis. <i>Nature</i> , <b>2005</b> , 434, 625-8	50.4	992
102	Probing electronic coupling in excitonically coupled heterodimer complexes by two-color three-pulse photon echoes. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 10556-65	3.9	23
101	Two-dimensional optical spectroscopy: two-color photon echoes of electronically coupled phthalocyanine dimers. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 2537-40	3.9	36
100	Femtosecond Fluorescence Upconversion Studies of Light Harvesting by $\beta$ -Carotene in Oxygenic Photosynthetic Core Proteins. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 19029-19035	3.4	35
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