

Gregory D Scholes

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.

260
papers

19,380
citations

67
h-index

135
g-index

415
ext. papers

21,833
ext. citations

9.1
avg, IF

7.41
L-index

#	Paper	IF	Citations
260	Coherent Two-Dimensional and Broadband Electronic Spectroscopies.. <i>Chemical Reviews</i> , 2022 ,	68.1	7
259	Square-Net Topological Semimetals: How Spectroscopy Furthers Understanding and Control.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 838-850	6.4	2
258	Visible-Light-Driven, Iridium-Catalyzed Hydrogen Atom Transfer: Mechanistic Studies, Identification of Intermediates, and Catalyst Improvements.. <i>Jacs Au</i> , 2022 , 2, 407-418		3
257	Vibrational Modes Promoting Exciton Relaxation in the B850 Band of LH2.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1099-1106	6.4	2
256	Controllable Phycobilin Modification: An Alternative Photoacclimation Response in Cryptophyte Algae.. <i>ACS Central Science</i> , 2022 , 8, 340-350	16.8	1
255	Ir(III)-Naphthoquinone complex as a platform for photocatalytic activity. <i>Journal of Photochemistry and Photobiology</i> , 2022 , 9, 100098	0.8	1
254	Map-Red: Proximity Labeling by Red Light Photocatalysis.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
253	Engineering a Non-Natural Photoenzyme for Improved Photon Efficiency*. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	5
252	Femtosecond Photophysics of Molecular Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11444-11459	16.4	1
251	Solution-processed inorganic perovskite crystals as achromatic quarter-wave plates. <i>Nature Photonics</i> , 2021 , 15, 813-816	33.9	17
250	Morphological Requirements for Nanoscale Electric Field Buildup in a Bulk Heterojunction Solar Cell. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 537-545	6.4	0
249	Quaternary Charge-Transfer Complex Enables Photoenzymatic Intermolecular Hydroalkylation of Olefins. <i>Journal of the American Chemical Society</i> , 2021 , 143, 97-102	16.4	23
248	Photoenzymatic Reductions Enabled by Direct Excitation of Flavin-Dependent "Ene"-Reductases. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1735-1739	16.4	16
247	Shallow distance-dependent triplet energy migration mediated by endothermic charge-transfer. <i>Nature Communications</i> , 2021 , 12, 1532	17.4	14
246	Signature of an ultrafast photoinduced Lifshitz transition in the nodal-line semimetal ZrSiTe. <i>Physical Review B</i> , 2021 , 103,	3.3	1
245	Site-selective tyrosine bioconjugation via photoredox catalysis for native-to-bioorthogonal protein transformation. <i>Nature Chemistry</i> , 2021 , 13, 902-908	17.6	21
244	Emergence of Collective Coherent States from Strong-Light Coupling of Disordered Systems. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 6739-6750	2.8	2

243	Characterization of the ultrafast spectral diffusion and vibronic coherence of TIPS-pentacene using 2D electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2021 , 155, 014302	3.9	2
242	Interplay of vibrational wavepackets during an ultrafast electron transfer reaction. <i>Nature Chemistry</i> , 2021 , 13, 70-76	17.6	19
241	Solar fuels and feedstocks: the quest for renewable black gold. <i>Energy and Environmental Science</i> , 2021 , 14, 1402-1419	35.4	10
240	Visible-Light-Enhanced Cobalt-Catalyzed Hydrogenation: Switchable Catalysis Enabled by Divergence between Thermal and Photochemical Pathways. <i>ACS Catalysis</i> , 2021 , 11, 1351-1360	13.1	15
239	Visible light enables catalytic formation of weak chemical bonds with molecular hydrogen. <i>Nature Chemistry</i> , 2021 , 13, 969-976	17.6	9
238	Low-Frequency Vibronic Mixing Modulates the Excitation Energy Flow in Bacterial Light-Harvesting Complex II. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6292-6298	6.4	4
237	PCET-Based Ligand Limits Charge Recombination with an Ir(III) Photoredox Catalyst. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13034-13043	16.4	5
236	Can Nanocavities Significantly Enhance Resonance Energy Transfer in a Single Donor-Acceptor Pair?. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18119-18128	3.8	3
235	Vibrational Dephasing along the Reaction Coordinate of an Electron Transfer Reaction. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14511-14522	16.4	2
234	Polariton Decay in Donor-Acceptor Cavity Systems. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9774-9782	17.2	5
233	Impairment of T cells' antiviral and anti-inflammation immunities may be critical to death from COVID-19.. <i>Royal Society Open Science</i> , 2021 , 8, 211606	3.3	2
232	A Nanometric Probe of the Local Proton Concentration in Microtubule-Based Biophysical Systems.. <i>Nano Letters</i> , 2021 ,	11.5	1
231	Vibronic and excitonic dynamics in perylenediimide dimers and tetramer. <i>Journal of Chemical Physics</i> , 2020 , 153, 224101	3.9	2
230	Ring currents modulate optoelectronic properties of aromatic chromophores at 25 T. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11289-11298	11.5	10
229	Configuration mixing upon reorganization of dihedral angle induces rapid intersystem crossing in organic photoredox catalyst. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 13292-13298	3.6	2
228	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
227	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
226	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	

225	Delayed fluorescence from a zirconium(IV) photosensitizer with ligand-to-metal charge-transfer excited states. <i>Nature Chemistry</i> , 2020 , 12, 345-352	17.6	72
224	Uncovering dark multichromophoric states in Peridinin-Chlorophyll-Protein. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20190736	4.1	3
223	d-d Excited States of Ni(II) Complexes Relevant to Photoredox Catalysis: Spectroscopic Identification and Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5800-5810	16.4	79
222	Polariton Transitions in Femtosecond Transient Absorption Studies of Ultrastrong Light-Molecule Coupling. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2667-2674	6.4	31
221	Exploiting chemistry and molecular systems for quantum information science. <i>Nature Reviews Chemistry</i> , 2020 , 4, 490-504	34.6	87
220	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Energy & Fuels</i> , 2020 , 34, 5107-5108	4.1	
219	Coherent-to-Incoherent Transition of Molecular Fluorescence Controlled by Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5948-5955	6.4	8
218	Transient Absorption Spectroscopy Offers Mechanistic Insights for an Iridium/Nickel-Catalyzed C-O Coupling. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4555-4559	16.4	60
217	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Organometallics</i> , 2020 , 39, 1665-1666	16.6	
216	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , 2020 , 27, 198-200	1.7	
215	Generalization of the hierarchical equations of motion theory for efficient calculations with arbitrary correlation functions. <i>Journal of Chemical Physics</i> , 2020 , 152, 204101	3.9	15
214	Two-Dimensional Electronic Spectroscopy Using Rotating Optical Flats. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1053-1061	2.8	3
213	Reduced Recombination and Capacitor-like Charge Buildup in an Organic Heterojunction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2562-2571	16.4	18
212	Reduction-induced CO dissociation by a [Mn(bpy)(CO)][SbF ₆] complex and its relevance in electrocatalytic CO reduction. <i>Dalton Transactions</i> , 2020 , 49, 891-900	4.3	5
211	Organizing Crystalline Functionalized Pentacene Using Periodicity of Poly(Vinyl Alcohol). <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 516-523	6.4	6
210	Asymmetric redox-neutral radical cyclization catalysed by flavin-dependent 'ene'-reductases. <i>Nature Chemistry</i> , 2020 , 12, 71-75	17.6	67
209	Entropy Reorders Polariton States. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6389-6395	6.4	23
208	Transient Drude Response Dominates Near-Infrared Pump-Probe Reflectivity in Nodal-Line Semimetals ZrSiS and ZrSiSe. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6105-6111	6.4	10

207	Overlap-Driven Splitting of Triplet Pairs in Singlet Fission. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20040-20047	16.4	15
206	Active-Site Environmental Factors Customize the Photophysics of Photoenzymatic Old Yellow Enzymes. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 11236-11249	3.4	3
205	Observation of Charge Generation via Photoinduced Stark Effect in Mixed-Cation Lead Bromide Perovskite Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10081-10087	6.4	4
204	Bioinspiration in light harvesting and catalysis. <i>Nature Reviews Materials</i> , 2020 , 5, 828-846	73.3	54
203	Mechanistic Analysis of Metallaphotoredox C-N Coupling: Photocatalysis Initiates and Perpetuates Ni(I)/Ni(III) Coupling Activity. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15830-15841	16.4	59
202	Polaritons and excitons: Hamiltonian design for enhanced coherence. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200278	2.4	15
201	Theory of molecular emission power spectra. I. Macroscopic quantum electrodynamics formalism. <i>Journal of Chemical Physics</i> , 2020 , 153, 184102	3.9	4
200	Ultrafast Dynamics of Nonrigid Zinc-Porphyrin Arrays Mimicking the Photosynthetic "Special Pair". <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3443-3450	6.4	7
199	Carotenoid Nuclear Reorganization and Interplay of Bright and Dark Excited States. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8628-8643	3.4	18
198	A cyanide-bridged di-manganese carbonyl complex that photochemically reduces CO to CO. <i>Dalton Transactions</i> , 2019 , 48, 1226-1236	4.3	12
197	Binary small molecule organic nanoparticles exhibit both direct and diffusion-limited ultrafast charge transfer with NIR excitation. <i>Nanoscale</i> , 2019 , 11, 2385-2392	7.7	3
196	Engineering Perovskite Nanocrystal Surface Termination for Light-Emitting Diodes with External Quantum Efficiency Exceeding 15%. <i>Advanced Functional Materials</i> , 2019 , 29, 1807284	15.6	55
195	Photoexcitation of flavoenzymes enables a stereoselective radical cyclization. <i>Science</i> , 2019 , 364, 1166-1169	35.9	131
194	Spectral Variability in Phycocyanin Cryptophyte Antenna Complexes is Controlled by Changes in the Polypeptide Chains. <i>ChemPhotoChem</i> , 2019 , 3, 945-956	3.3	8
193	DNA-Templated Aggregates of Strongly Coupled Cyanine Dyes: Nonradiative Decay Governs Exciton Lifetimes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2386-2392	6.4	28
192	Evaluation of excited state bond weakening for ammonia synthesis from a manganese nitride: stepwise proton coupled electron transfer is preferred over hydrogen atom transfer. <i>Chemical Communications</i> , 2019 , 55, 5595-5598	5.8	11
191	Chinese Spring Festival Editorial. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 701	6.4	3
190	The Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5837-5848	2.8	1

189	Consistent Model of Ultrafast Energy Transfer in Peridinin Chlorophyll- Protein Using Two-Dimensional Electronic Spectroscopy and Förster Theory. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6410-6420	3.4	2
188	The JPC Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17063-17074	3.8	1
187	The JPC Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4051-4062	6.4	1
186	Quantum dynamics of a molecular emitter strongly coupled with surface plasmon polaritons: A macroscopic quantum electrodynamics approach. <i>Journal of Chemical Physics</i> , 2019 , 151, 014105	3.9	17
185	Two temperature regimes of triplet transfer in the dissociation of the correlated triplet pair after singlet fission. <i>Canadian Journal of Chemistry</i> , 2019 , 97, 465-473	0.9	10
184	Drop-in two-dimensional electronic spectroscopy based on dual modulation in the pump-probe geometry. <i>Optics Letters</i> , 2019 , 44, 2653	3	4
183	High-Voltage Photogeneration Exclusively via Aggregation-Induced Triplet States in a Heavy-Atom-Free Nonplanar Organic Semiconductor. <i>Advanced Energy Materials</i> , 2019 , 9, 1901649	21.8	3
182	JPCL: A Dynamic Journal with a Global Reach. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 113-114	6.4	
181	From Fundamental Theories to Quantum Coherences in Electron Transfer. <i>Journal of the American Chemical Society</i> , 2019 , 141, 708-722	16.4	55
180	Revealing structural involvement of chromophores in algal light harvesting complexes using symmetry-adapted perturbation theory. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 190, 110-117	6.7	7
179	Spectrally Resolved Ultrafast Exciton Transfer in Mixed Perovskite Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 419-426	6.4	53
178	Dinitrogen Coupling to a Terpyridine-Molybdenum Chromophore Is Switched on by Fermi Resonance. <i>Chem</i> , 2019 , 5, 402-416	16.2	22
177	Manganese-Based Catalysts with Varying Ligand Substituents for the Electrochemical Reduction of CO ₂ to CO. <i>Organometallics</i> , 2019 , 38, 1292-1299	3.8	30
176	Limits of exciton delocalization in molecular aggregates. <i>Faraday Discussions</i> , 2019 , 221, 265-280	3.6	18
175	Coherence from Light Harvesting to Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1568-1572	6.4	22
174	Long-Lived Charge-Transfer States of Nickel(II) Aryl Halide Complexes Facilitate Bimolecular Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3035-3039	16.4	134
173	The Ag ⁺ state falls below 3Ag ⁻ at carotenoid-relevant conjugation lengths. <i>Chemical Physics</i> , 2018 , 515, 757-767	2.3	12
172	Coherent wavepackets in the Fenna-Matthews-Olson complex are robust to excitonic-structure perturbations caused by mutagenesis. <i>Nature Chemistry</i> , 2018 , 10, 177-183	17.6	67

171	Direct Observation of Correlated Triplet Pair Dynamics during Singlet Fission Using Ultrafast Mid-IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2012-2022	3.8	54
170	Ultrafast Photophysics of a Dinitrogen-Bridged Molybdenum Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6298-6307	16.4	11
169	Carbene-Metal-Amide Bond Deformation, Rather Than Ligand Rotation, Drives Delayed Fluorescence. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1620-1626	6.4	46
168	Local protein solvation drives direct down-conversion in phycobiliprotein PC645 via incoherent vibronic transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3342-E3350	11.5	47
167	Singlet Fission in Core-Shell Micelles of End-Functionalized Polymers. <i>Chemistry of Materials</i> , 2018 , 30, 4409-4421	9.6	12
166	From coherent to vibronic light harvesting in photosynthesis. <i>Current Opinion in Chemical Biology</i> , 2018 , 47, 39-46	9.7	33
165	Determination of the protonation preferences of bilin pigments in cryptophyte antenna complexes. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 21404-21416	3.6	8
164	Triplet Energy Transfer Governs the Dissociation of the Correlated Triplet Pair in Exothermic Singlet Fission. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4087-4095	6.4	47
163	Influence of Bulky Organo-Ammonium Halide Additive Choice on the Flexibility and Efficiency of Perovskite Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2018 , 28, 1802060	15.6	53
162	High Magnetic Field Detunes Vibronic Resonances in Photosynthetic Light Harvesting. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5548-5554	6.4	12
161	The Nature of Excimer Formation in Crystalline Pyrene Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21004-21017	3.8	30
160	Vibronic Wavepackets and Energy Transfer in Cryptophyte Light-Harvesting Complexes. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 6328-6340	3.4	13
159	Striking the right balance of intermolecular coupling for high-efficiency singlet fission. <i>Chemical Science</i> , 2018 , 9, 6240-6259	9.4	70
158	Peridinin Torsional Distortion and Bond-Length Alternation Introduce Intramolecular Charge-Transfer and Correlated Triplet Pair Intermediate Excited States. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 5835-5844	3.4	6
157	Efficient perovskite light-emitting diodes featuring nanometre-sized crystallites. <i>Nature Photonics</i> , 2017 , 11, 108-115	33.9	949
156	Cooperative Subunit Refolding of a Light-Harvesting Protein through a Self-Chaperone Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8384-8388	16.4	6
155	Ultrafast exciton dynamics in 2D in-plane hetero-nanostructures: delocalization and charge transfer. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8373-8379	3.6	27
154	Photoluminescence of Functionalized Germanium Nanocrystals Embedded in Arsenic Sulfide Glass. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18911-18917	9.5	9

153	Enhanced sub-bandgap efficiency of a solid-state organic intermediate band solar cell using triplet-triplet annihilation. <i>Energy and Environmental Science</i> , 2017 , 10, 1465-1475	35.4	46
152	Cooperative Subunit Refolding of a Light-Harvesting Protein through a Self-Chaperone Mechanism. <i>Angewandte Chemie</i> , 2017 , 129, 8504-8508	3.6	2
151	Is back-electron transfer process in Betaine-30 coherent?. <i>Chemical Physics Letters</i> , 2017 , 683, 500-506	2.5	8
150	In Situ Preparation of Metal Halide Perovskite Nanocrystal Thin Films for Improved Light-Emitting Devices. <i>ACS Nano</i> , 2017 , 11, 3957-3964	16.7	128
149	Charge Localization after Ultrafast Photoexcitation of a Rigid Perylene Perylenediimide Dyad Visualized by Transient Stark Effect. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5530-5537	16.4	21
148	Using coherence to enhance function in chemical and biophysical systems. <i>Nature</i> , 2017 , 543, 647-656	50.4	367
147	The JPCL New Year's Editorial. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 41	6.4	
146	Mixed-Halide Perovskites with Stabilized Bandgaps. <i>Nano Letters</i> , 2017 , 17, 6863-6869	11.5	121
145	Coherence Spectroscopy in the Condensed Phase: Insights into Molecular Structure, Environment, and Interactions. <i>Accounts of Chemical Research</i> , 2017 , 50, 2746-2755	24.3	39
144	Perspective Collections in the Limelight. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5239-5239	6.4	
143	In the Limelight. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3925-3925	6.4	
142	Solvent-dependent photo-induced dynamics in a non-rigidly linked zinc phthalocyanine-perylenediimide dyad probed using ultrafast spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 21078-21089	3.6	3
141	Biexciton Resonances Reveal Exciton Localization in Stacked Perovskite Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3895-3901	6.4	30
140	Solution-processable, crystalline material for quantitative singlet fission. <i>Materials Horizons</i> , 2017 , 4, 915-923	14.4	44
139	Photophysical characterization and time-resolved spectroscopy of an anthradithiophene dimer: exploring the role of conformation in singlet fission. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23162-23175	3.6	25
138	Tuning Singlet Fission in π -Bridge- π Chromophores. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12488-12494	16.4	115
137	In the Limelight. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3718-3719	6.4	
136	In the Limelight: Perspective Collections on Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5688-5688	6.4	

135	Light Absorption and Energy Transfer in the Antenna Complexes of Photosynthetic Organisms. <i>Chemical Reviews</i> , 2017 , 117, 249-293	68.1	549
134	Photovoltaic concepts inspired by coherence effects in photosynthetic systems. <i>Nature Materials</i> , 2016 , 16, 35-44	27	191
133	Spotlight on Your Work. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3157	6.4	
132	Dynamic Exchange During Triplet Transport in Nanocrystalline TIPS-Pentacene Films. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16069-16080	16.4	63
131	Anisotropic Conjugated Polymer Chain Conformation Tailors the Energy Migration in Nanofibers. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15497-15505	16.4	14
130	Broad-Band Pump-Probe Spectroscopy Quantifies Ultrafast Solvation Dynamics of Proteins and Molecules. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4722-4731	6.4	38
129	Dark States in the Light-Harvesting complex 2 Revealed by Two-dimensional Electronic Spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 20834	4.9	62
128	Structure-Tuned Lead Halide Perovskite Nanocrystals. <i>Advanced Materials</i> , 2016 , 28, 566-73	24	196
127	The Matter of Urgency. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 1933	6.4	
126	Direct Synthesis of CdSe Nanocrystals with Electroactive Ligands. <i>Chemistry of Materials</i> , 2016 , 28, 4953-4961	4.6	6
125	Observation of Two Triplet-Pair Intermediates in Singlet Exciton Fission. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2370-5	6.4	145
124	Methylene Blue Exciton States Steer Nonradiative Relaxation: Ultrafast Spectroscopy of Methylene Blue Dimer. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 440-54	3.4	42
123	Two-Dimensional Visible Spectroscopy For Studying Colloidal Semiconductor Nanocrystals. <i>Small</i> , 2016 , 12, 2234-44	11	33
122	Vibronic Enhancement of Algae Light Harvesting. <i>CheM</i> , 2016 , 1, 858-872	16.2	93
121	Ultrafast transient absorption revisited: Phase-flips, spectral fingers, and other dynamical features. <i>Journal of Chemical Physics</i> , 2016 , 144, 175102	3.9	40
120	Estimation of damped oscillation associated spectra from ultrafast transient absorption spectra. <i>Journal of Chemical Physics</i> , 2016 , 145, 174201	3.9	12
119	Slow Intramolecular Vibrational Relaxation Leads to Long-Lived Excited-State Wavepackets. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6792-9	2.8	38
118	Room-temperature exciton coherence and dephasing in two-dimensional nanostructures. <i>Nature Communications</i> , 2015 , 6, 6086	17.4	76

117	Spectroscopic Studies of Cryptophyte Light Harvesting Proteins: Vibrations and Coherent Oscillations. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10025-34	3.4	41
116	Thermal light cannot be represented as a statistical mixture of single pulses. <i>Physical Review Letters</i> , 2015 , 114, 213601	7.4	17
115	Improved power conversion efficiency for bulk heterojunction solar cells incorporating CdTe-CdSe nanoheterostructure acceptors and a conjugated polymer donor. <i>Journal of Photonics for Energy</i> , 2015 , 5, 057409	1.2	7
114	Adding Amorphous Content to Highly Crystalline Polymer Nanowire Solar Cells Increases Performance. <i>Advanced Materials</i> , 2015 , 27, 3484-91	24	28
113	The separation of vibrational coherence from ground- and excited-electronic states in P3HT film. <i>Journal of Chemical Physics</i> , 2015 , 142, 212410	3.9	46
112	Broadband Transient Absorption and Two-Dimensional Electronic Spectroscopy of Methylene Blue. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9098-108	2.8	42
111	Observing Vibrational Wavepackets during an Ultrafast Electron Transfer Reaction. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 11837-46	2.8	26
110	Coherence in energy transfer and photosynthesis. <i>Annual Review of Physical Chemistry</i> , 2015 , 66, 69-96	15.7	271
109	Correlated Pair States Formed by Singlet Fission and Exciton-Exciton Annihilation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 12699-705	2.8	89
108	Resonance Energy Transfer 2015 , 101-127		2
107	B800-B850 coherence correlates with energy transfer rates in the LH2 complex of photosynthetic purple bacteria. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 30805-16	3.6	10
106	Exciton delocalization drives rapid singlet fission in nanoparticles of acene derivatives. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6790-803	16.4	163
105	Intramolecular radiationless transitions dominate exciton relaxation dynamics. <i>Chemical Physics Letters</i> , 2014 , 599, 23-33	2.5	36
104	Photosynthetic light harvesting: excitons and coherence. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130901	4.1	180
103	Charge Photogeneration in Neat Conjugated Polymers. <i>Chemistry of Materials</i> , 2014 , 26, 561-575	9.6	103
102	Exploring Ultrafast Electronic Processes of Quasi-Type II Nanocrystals by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16255-16263	3.8	25
101	Vibrational coherence probes the mechanism of ultrafast electron transfer in polymer-fullerene blends. <i>Nature Communications</i> , 2014 , 5, 4933	17.4	110
100	Managing Complex Photophysical Pathways for Solar Energy Conversion. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2380-1	6.4	1

99	Life--warm, wet and noisy?: Comment on "Consciousness in the universe: a review of the 'Orch OR' theory" by Hameroff and Penrose. <i>Physics of Life Reviews</i> , 2014 , 11, 85-6; discussion 94-100	2.1	7
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