

Michael R Wasielewski

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.

477 papers	37,046 citations	94 h-index	175 g-index
508 ext. papers	41,299 ext. citations	12.5 avg, IF	7.68 L-index

#	Paper	IF	Citations
477	Syntheses of three-dimensional catenanes under kinetic control.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2118573119	11.5	0
476	Electron-catalysed molecular recognition.. <i>Nature</i> , 2022 , 603, 265-270	50.4	7
475	An Electrically Conductive Tetrathiafulvalene-Based Hydrogen-Bonded Organic Framework 2022 , 4, 128-135		3
474	Symmetry-Breaking Charge Separation in Phenylene-Bridged Perylenediimide Dimers. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 7633-7643	2.8	5
473	Light Directs Monomer Coordination in Catalyst-Free Grignard Photopolymerization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18755-18765	16.4	1
472	Innenrücktitelbild: Radically Enhanced Dual Recognition (Angew. Chem. 48/2021). <i>Angewandte Chemie</i> , 2021 , 133, 25787	3.6	
471	Photon Upconversion in a Glowing Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5053-5059	16.4	11
470	Interaction of Photogenerated Spin Qubit Pairs with a Third Electron Spin in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4625-4632	16.4	3
469	Exploring Photogenerated Molecular Quartet States as Spin Qubits and Qudits. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7050-7058	16.4	7
468	Growth of Extra-Large Chromophore Supramolecular Polymers for Enhanced Hydrogen Production. <i>Nano Letters</i> , 2021 , 21, 3745-3752	11.5	5
467	Systematic Merging of Nonfullerene Acceptor Extension and Tetrafluorination Strategies Affords Polymer Solar Cells with >16% Efficiency. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6123-6139	16.4	34
466	A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8000-8010	16.4	6
465	Spectral Addressability in a Modular Two Qubit System. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8069-8077	16.4	6
464	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8476-8487	16.4	4
463	Singlet Fission in Terrylenediimide Single Crystals: Competition between Biexciton Annihilation and Free Triplet Exciton Formation. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 13946-13953	3.8	1
462	Temperature Tuning of Coherent Mixing between States Driving Singlet Fission in a Spiro-Fused Terrylenediimide Dimer. <i>Journal of Physical Chemistry B</i> , 2021 ,	3.4	5
461	Excited-State Dynamics of Perylene-Based Chromophore Assemblies on Nanoporous Anodic Aluminum Oxide Membranes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14843-14853	3.8	0

460	Excitation Energy Transfer and Exchange-Mediated Quartet State Formation in Porphyrin-Trityl Systems. <i>Chemistry - A European Journal</i> , 2021 , 27, 2683-2691	4.8	10
459	Discrete Open-Shell Tris(bipyridinium radical cationic) Inclusion Complexes in the Solid State. <i>Journal of the American Chemical Society</i> , 2021 , 143, 163-175	16.4	6
458	Influence of Vibronic Coupling on Ultrafast Singlet Fission in a Linear Terrylenediimide Dimer. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2049-2058	16.4	11
457	Polymorphism and Optoelectronic Properties in Crystalline Supramolecular Polymers. <i>Chemistry of Materials</i> , 2021 , 33, 706-718	9.6	5
456	Anisotropic Transient Disorder of Colloidal, Two-Dimensional CdSe Nanoplatelets upon Optical Excitation. <i>Nano Letters</i> , 2021 , 21, 1288-1294	11.5	4
455	Controlling the Dynamics of Three Electron Spin Qubits in a Donor-Acceptor-Radical Molecule Using Dielectric Environment Changes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2213-2218	6.4	3
454	Interplay between Intermolecular and Intramolecular Singlet Fission in Thin Films of a Covalently Linked Terrylenediimide Dimer. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6999-7009	3.8	2
453	Photogenerated Spin-Correlated Radical Pairs: From Photosynthetic Energy Transduction to Quantum Information Science. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15508-15529	16.4	10
452	Radically Enhanced Dual Recognition. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25454-25462	16.4	4
451	Photothermal behaviour of titanium nitride nanoparticles evaluated by transient X-ray diffraction. <i>Nanoscale</i> , 2021 , 13, 2658-2664	7.7	3
450	Charge Transfer and Spin Dynamics in a Zinc Porphyrin Donor Covalently Linked to One or Two Naphthalenediimide Acceptors. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 825-834	2.8	1
449	Effect of the Time Delay between Spin State Preparation and Measurement on Electron Spin Teleportation in a Covalent Donor-Acceptor-Radical System.. <i>Journal of Physical Chemistry Letters</i> , 2021 , 156-160	6.4	
448	Interstitial Nature of Mn Doping in 2D Perovskites. <i>ACS Nano</i> , 2021 ,	16.7	6
447	Fluorinating Extended Molecular Acceptors Yields Highly Connected Crystal Structures and Low Reorganization Energies for Efficient Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 2000635	21.8	45
446	Stabilization of Photocatalytically Active Uranyl Species in a Uranyl-Organic Framework for Heterogeneous Alkane Fluorination Driven by Visible Light. <i>Inorganic Chemistry</i> , 2020 , 59, 16795-16798	5.1	12
445	Electrochemical Switching of a Fluorescent Molecular Rotor Embedded within a Bistable Rotaxane. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11835-11846	16.4	19
444	Metalated Porphyrin Stable Free Radicals: Exploration of Electron Spin Communication and Dynamics. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 6168-6176	2.8	4
443	Highly Stable Organic Bisradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7190-7197	16.4	10

442	Cyclophane-Sustained Ultrastable Porphyrins. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8938-8945	16.4	7
441	Supramolecular Porous Organic Nanocomposites for Heterogeneous Photocatalysis of a Sulfur Mustard Simulant. <i>Advanced Materials</i> , 2020 , 32, e2001592	24	10
440	Radical-Enriched Artificial Melanin. <i>Chemistry of Materials</i> , 2020 , 32, 5759-5767	9.6	8
439	Plasmon-Driven Chemistry in Ferri-/Ferrocyanide Gold Nanoparticle Oligomers: A SERS Study. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13120-13129	16.4	9
438	Exploiting chemistry and molecular systems for quantum information science. <i>Nature Reviews Chemistry</i> , 2020 , 4, 490-504	34.6	87
437	Selenomelanin: An Abiotic Selenium Analogue of Pheomelanin. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12802-12810	16.4	10
436	TetrazineBox: A Structurally Transformative Toolbox. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5419-5428	16.4	14
435	Extended Donor-Acceptor Porphyrins and Metalloporphyrins for Antimicrobial Photodynamic Inactivation. <i>Chemistry - A European Journal</i> , 2020 , 26, 8262-8266	4.8	9
434	Selectively Addressable Photogenerated Spin Qubit Pairs in DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3346-3350	16.4	13
433	Charge-Transfer Character in Excimers of Perylenediimides Self-Assembled on Anodic Aluminum Oxide Membrane Walls. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4369-4377	3.8	7
432	Singlet fission in core-linked terrylenediimide dimers. <i>Journal of Chemical Physics</i> , 2020 , 153, 244306	3.9	3
431	Solvent independent symmetry-breaking charge separation in terrylenediimide guanine-quadruplex nanoparticles. <i>Journal of Chemical Physics</i> , 2020 , 153, 204302	3.9	3
430	Photoinduced electron transfer from zinc meso-tetraphenylporphyrin to a one-dimensional perylenediimide aggregate: Probing anion delocalization effects. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 143-152	1.8	4
429	Singlet Fission in Quaterrylenediimide Thin Films. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2791-2798	3.8	9
428	Integration of Enzymes and Photosensitizers in a Hierarchical Mesoporous Metal-Organic Framework for Light-Driven CO Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1768-1773	16.4	80
427	Processing Strategies for an Organic Photovoltaic Module with over 10% Efficiency. <i>Joule</i> , 2020 , 4, 189-206	29.6	87
426	CNOT gate operation on a photogenerated molecular electron spin-qubit pair. <i>Journal of Chemical Physics</i> , 2020 , 152, 014503	3.9	29
425	Insights into the Enhanced Catalytic Activity of Cytochrome c When Encapsulated in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18576-18582	16.4	32

424	Balancing Charge Transfer and Frenkel Exciton Coupling Leads to Excimer Formation in Molecular Dimers: Implications for Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 8478-8487	2.8	11
423	Symmetry-Breaking Charge Separation in the Solid State: Tetra(phenoxy)perylene diimide Polycrystalline Films. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18243-18250	16.4	17
422	Crystallography, Morphology, Electronic Structure, and Transport in Non-Fullerene/Non-Indacenodithienothiophene Polymer:Y6 Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14532-14547	16.4	120
421	Using Photoexcited Core/Shell Quantum Dots To Spin Polarize Appended Radical Qubits. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13590-13597	16.4	11
420	Trigonal Bipyramidal V Complex as an Optically Addressable Molecular Qubit Candidate. <i>Journal of the American Chemical Society</i> , 2020 ,	16.4	19
419	Spin and Phonon Design in Modular Arrays of Molecular Qubits. <i>Chemistry of Materials</i> , 2020 , 32, 10200-10206	10.2	10
418	Correlating structural changes with the photophysics of terrylene diimide films during spontaneous annealing. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15189-15198	7.1	2
417	Mixed Electronic States in Molecular Dimers: Connecting Singlet Fission, Excimer Formation, and Symmetry-Breaking Charge Transfer. <i>Accounts of Chemical Research</i> , 2020 , 53, 1957-1968	24.3	52
416	Charge-transfer biexciton annihilation in a donor-acceptor co-crystal yields high-energy long-lived charge carriers. <i>Chemical Science</i> , 2020 , 11, 9532-9541	9.4	8
415	Tuning the charge transfer character of the multiexciton state in singlet fission. <i>Journal of Chemical Physics</i> , 2020 , 153, 094302	3.9	7
414	Host-Guest Complexation-Mediated Supramolecular Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16600-16609	16.4	6
413	Two-photon excited deep-red and near-infrared emissive organic co-crystals. <i>Nature Communications</i> , 2020 , 11, 4633	17.4	33
412	Supramolecular Porous Assemblies of Atomically Precise Catalytically Active Cerium-Based Clusters. <i>Chemistry of Materials</i> , 2020 , 32, 8522-8529	9.6	10
411	Transient Lattice Response upon Photoexcitation in CuInSe Nanocrystals with Organic or Inorganic Surface Passivation. <i>ACS Nano</i> , 2020 , 14, 13548-13556	16.7	8
410	Spin-Polarized Molecular Triplet States as Qubits: Phosphorus Hyperfine Coupling in the Triplet State of Benzoisophosphinoline. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7569-7574	6.4	1
409	Reversible Symmetry-Breaking Charge Separation in a Series of Perylene diimide Cyclophanes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 10408-10419	3.8	16
408	Spin Dynamics of Quintet and Triplet States Resulting from Singlet Fission in Oriented Terrylene diimide and Quaterylene diimide Films. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9822-9833	3.8	11
407	Organic room-temperature phosphorescence from halogen-bonded organic frameworks: hidden electronic effects in rigidified chromophores. <i>Chemical Science</i> , 2020 , 12, 767-773	9.4	13

406	Supramolecular Tessellations by a Rigid Naphthalene Diimide Triangle. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17783-17795	16.4	32
405	Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16915-16922	16.4	15
404	Time-Resolved EPR Study of H Reductive Elimination from the Photoexcited Nitrogenase Janus E(4H) Intermediate. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8823-8828	3.4	7
403	Combining Intra- and Intermolecular Charge Transfer with Polycationic Cyclophanes To Design 2D Tessellations. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18727-18739	16.4	21
402	Photodriven quantum teleportation of an electron spin state in a covalent donor-acceptor-radical system. <i>Nature Chemistry</i> , 2019 , 11, 981-986	17.6	51
401	Quantum coherence in ultrafast photo-driven charge separation. <i>Faraday Discussions</i> , 2019 , 216, 319-338	3.6	5
400	A concentrated array of copper porphyrin candidate qubits. <i>Chemical Science</i> , 2019 , 10, 1702-1708	9.4	31
399	Charge Separation and Recombination Pathways in Diblock DNA Hairpins. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1545-1553	3.4	5
398	Photoinduced, reversible phase transitions in all-inorganic perovskite nanocrystals. <i>Nature Communications</i> , 2019 , 10, 504	17.4	67
397	Structure and chemical stability in perovskite/polymer hybrid photovoltaic materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1687-1699	13	40
396	Determination of the In-Plane Exciton Radius in 2D CdSe Nanoplatelets Magneto-optical Spectroscopy. <i>ACS Nano</i> , 2019 , 13, 8589-8596	16.7	22
395	Transient Two-Dimensional Electronic Spectroscopy: Coherent Dynamics at Arbitrary Times along the Reaction Coordinate. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3509-3515	6.4	5
394	Metal-ligand covalency enables room temperature molecular qubit candidates. <i>Chemical Science</i> , 2019 , 10, 6707-6714	9.4	31
393	Vanadium Catalyst on Isostructural Transition Metal, Lanthanide, and Actinide Based Metal-Organic Frameworks for Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8306-8314	16.4	81
392	Effect of Electronic Coupling on Electron Transfer Rates from Photoexcited Naphthalenediimide Radical Anion to Re(bpy)(CO) ₃ X. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10178-10190	3.8	8
391	Uniaxial Expansion of the 2D Ruddlesden-Popper Perovskite Family for Improved Environmental Stability. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5518-5534	16.4	133
390	Varying the Interpentacene Electronic Coupling to Tune Singlet Fission. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6191-6203	16.4	42
389	Choosing sides: unusual ultrafast charge transfer pathways in an asymmetric electron-accepting cyclophane that binds an electron donor. <i>Chemical Science</i> , 2019 , 10, 4282-4292	9.4	10

- 388 Quintet-triplet mixing determines the fate of the multiexciton state produced by singlet fission in a terrylenediimide dimer at room temperature. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 8178-8183 11.5 53
- 387 Direct Observation of the Photoreduction Products of Mn(NDI-bpy)(CO)₃ CO₂ Reduction Catalysts Using Femtosecond Transient IR Spectroscopy. *Journal of Physical Chemistry C*, **2019**, 123, 6416-6426 3.8 426 3
- 386 Combustion Synthesized Zinc Oxide Electron-Transport Layers for Efficient and Stable Perovskite Solar Cells. *Advanced Functional Materials*, **2019**, 29, 1900265 15.6 92
- 385 Formation and Electronic Structure of an Atypical Cu Site. *Journal of the American Chemical Society*, **2019**, 141, 4678-4686 16.4 12
- 384 Spin-Selective Photoinduced Electron Transfer within Naphthalenediimide Diradicals. *Journal of Physical Chemistry B*, **2019**, 123, 7731-7739 3.4 1
- 383 Competition between Singlet Fission and Spin-Orbit-Induced Intersystem Crossing in Anthanthrene and Anthanthrene Derivatives. *ChemPlusChem*, **2019**, 84, 1432-1438 2.8 6
- 382 Simultaneous Bottom-Up Interfacial and Bulk Defect Passivation in Highly Efficient Planar Perovskite Solar Cells using Nonconjugated Small-Molecule Electrolytes. *Advanced Materials*, **2019**, 31, e1903239 24 59
- 381 Photovoltaic Blend Microstructure for High Efficiency Post-Fullerene Solar Cells. To Tilt or Not To Tilt?. *Journal of the American Chemical Society*, **2019**, 141, 13410-13420 16.4 30
- 380 Quantum Coherence Enhances Electron Transfer Rates to Two Equivalent Electron Acceptors. *Journal of the American Chemical Society*, **2019**, 141, 12236-12239 16.4 8
- 379 Substituent effects on energetics and crystal morphology modulate singlet fission in 9,10-bis(phenylethynyl)anthracenes. *Journal of Chemical Physics*, **2019**, 151, 044501 3.9 11
- 378 A Supramolecular Approach for Modulated Photoprotection, Lysosomal Delivery, and Photodynamic Activity of a Photosensitizer. *Journal of the American Chemical Society*, **2019**, 141, 12296-12304 16.4 33
- 377 Symmetry-Breaking Charge Separation in a Nanoscale Terrylenediimide Guanine-Quadruplex Assembly. *Journal of the American Chemical Society*, **2019**, 141, 17512-17516 16.4 22
- 376 Perovskite Solar Cells: Simultaneous Bottom-Up Interfacial and Bulk Defect Passivation in Highly Efficient Planar Perovskite Solar Cells using Nonconjugated Small-Molecule Electrolytes (Adv. Mater. 40/2019). *Advanced Materials*, **2019**, 31, 1970283 24
- 375 Fluorine Tuning of Morphology, Energy Loss, and Carrier Dynamics in Perylenediimide Polymer Solar Cells. *ACS Energy Letters*, **2019**, 20.1 6
- 374 Controlling the structure and photophysics of fluorophore dimers using multiple cucurbit[8]uril clampings. *Chemical Science*, **2019**, 11, 812-825 9.4 25
- 373 Oxidation of a Molecule by the Biexcitonic State of a CdS Quantum Dot. *Journal of Physical Chemistry C*, **2019**, 123, 5923-5930 3.8 10
- 372 Steric Interactions Impact Vibronic and Vibrational Coherences in Perylenediimide Cyclophanes. *Journal of Physical Chemistry Letters*, **2019**, 10, 7498-7504 6.4 11
- 371 Influence of the heavy-atom effect on singlet fission: a study of platinum-bridged pentacene dimers. *Chemical Science*, **2019**, 10, 11130-11140 9.4 13

370	Electron transfer from photoexcited naphthalene-1,4:5,8-bis(dicarboximide) radical anion to Mn(bpy)(CO)3X and Re(bpy)(CO)3X CO2 reduction catalysts linked via a saturated methylene bridge. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 372, 21-28	4.7	3
369	Photogenerated Spin-Entangled Qubit (Radical) Pairs in DNA Hairpins: Observation of Spin Delocalization and Coherence. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2152-2160	16.4	24
368	Discrete Dimers of Redox-Active and Fluorescent Perylene Diimide-Based Rigid Isosceles Triangles in the Solid State. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1290-1303	16.4	54
367	Photoexcited radical anion super-reductants for solar fuels catalysis. <i>Coordination Chemistry Reviews</i> , 2018 , 361, 98-119	23.2	36
366	Detecting and Visualizing Reaction Intermediates of Anisotropic Nanoparticle Growth. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3219-3222	16.4	12
365	Hybrid Dion-Jacobson 2D Lead Iodide Perovskites. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3775-3783	16.4	426
364	Tunable Crystallinity and Charge Transfer in Two-Dimensional G-Quadruplex Organic Frameworks. <i>Angewandte Chemie</i> , 2018 , 130, 4049-4053	3.6	7
363	Shuttling Rates, Electronic States, and Hysteresis in a Ring-in-Ring Rotaxane. <i>ACS Central Science</i> , 2018 , 4, 362-371	16.8	18
362	High spectral resolution of gamma-rays at room temperature by perovskite CsPbBr single crystals. <i>Nature Communications</i> , 2018 , 9, 1609	17.4	246
361	Photoexcited Naphthalene Diimide Radical Anion Linking the Nodes of a Metal-Organic Framework: A Heterogeneous Super-reductant. <i>Chemistry of Materials</i> , 2018 , 30, 2488-2492	9.6	26
360	Metal-Organic Frameworks as Platform Materials for Solar Fuels Catalysis. <i>ACS Energy Letters</i> , 2018 , 3, 598-611	20.1	82
359	Tunable Crystallinity and Charge Transfer in Two-Dimensional G-Quadruplex Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3985-3989	16.4	18
358	Effect of Redox "Non-Innocent" Linker on the Catalytic Activity of Copper-Catecholate-Decorated Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 635-641	9.5	35
357	Electron Transfer from Photoexcited Naphthalene Diimide Radical Anion to Electrocatalytically Active Re(bpy)(CO)3Cl in a Molecular Triad. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2608-2617	3.8	20
356	Toward a Charged Homo[2]catenane Employing Diazaperopyrenium Homophilic Recognition. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6540-6544	16.4	9
355	Manganese carbonyl complexes for CO2 reduction. <i>Coordination Chemistry Reviews</i> , 2018 , 365, 60-74	23.2	59
354	Phenothiazine Radical Cation Excited States as Super-oxidants for Energy-Demanding Reactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5290-5299	16.4	55
353	Charge-Transfer Character in a Covalent Diketopyrrolopyrrole Dimer: Implications for Singlet Fission. <i>ChemPhotoChem</i> , 2018 , 2, 223-233	3.3	23

352	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
351	Tracking Photoinduced Charge Separation in DNA: from Start to Finish. <i>Accounts of Chemical Research</i> , 2018 , 51, 1746-1754	24.3	28
350	Piperazine Suppresses Self-Doping in CsSnI ₃ Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4221-4226	6.1	63
349	Photoinduced Plasmon-Driven Chemistry in trans-1,2-Bis(4-pyridyl)ethylene Gold Nanosphere Oligomers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10583-10592	16.4	33
348	Auger Heating and Thermal Dissipation in Zero-Dimensional CdSe Nanocrystals Examined Using Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4481-4487	6.4	9
347	Octacyanometallate qubit candidates. <i>Dalton Transactions</i> , 2018 , 47, 11744-11748	4.3	7
346	Evidence for Charge-Transfer Mediation in the Primary Events of Singlet Fission in a Weakly Coupled Pentacene Dimer. <i>Chem</i> , 2018 , 4, 1092-1111	16.2	74
345	Ultrafast interligand electron transfer in -[Ru(4,4'-dicarboxylate-2,2'-bipyridine)(NCS)] and implications for electron injection limitations in dye sensitized solar cells. <i>Chemical Science</i> , 2018 , 9, 7958-7967	9.4	9
344	Air-Stable Direct Bandgap Perovskite Semiconductors: All-Inorganic Tin-Based Heteroleptic Halides AxSnClyz (A = Cs, Rb). <i>Chemistry of Materials</i> , 2018 , 30, 4847-4856	9.6	45
343	Hole-Transfer Dependence on Blend Morphology and Energy Level Alignment in Polymer: ITIC Photovoltaic Materials. <i>Advanced Materials</i> , 2018 , 30, 1704263	24	85
342	X-Shaped Oligomeric Pyromellitimide Polyradicals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 515-523	16.4	11
341	A four-state fluorescent molecular switch. <i>Chemical Communications</i> , 2018 , 54, 12041-12044	5.8	1
340	Effect of Electron-Nuclear Hyperfine Interactions on Multiple-Quantum Coherences in Photogenerated Covalent Radical (Qubit) Pairs. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 9392-9402	2.8	12
339	Two-Dimensional Electronic Spectroscopy Reveals Excitation Energy-Dependent State Mixing during Singlet Fission in a Terrylenediimide Dimer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17907-17914	16.4	33
338	Molecular Russian dolls. <i>Nature Communications</i> , 2018 , 9, 5275	17.4	40
337	Morphological Engineering of Winged Au@MoS Heterostructures for Electrocatalytic Hydrogen Evolution. <i>Nano Letters</i> , 2018 , 18, 7104-7110	11.5	71
336	Selective Extraction of C by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13835-13842	16.4	64
335	Semiconductor Nanoplatelet Excimers. <i>Nano Letters</i> , 2018 , 18, 6948-6953	11.5	37

- 334 Near-Infrared Excitation of the peri-Xanthenoxanthene Radical Cation Drives Energy-Demanding Hole Transfer Reactions. *Journal of Physical Chemistry C*, **2018**, 122, 23364-23370 3.8 11
- 333 Fully Conjugated [4]Chrysaorene. Redox-Coupled Anion Binding in a Tetraradicaloid Macrocyclic. *Journal of the American Chemical Society*, **2018**, 140, 14474-14480 16.4 25
- 332 Singlet Fission in 9,10-Bis(phenylethynyl)anthracene Thin Films. *Journal of the American Chemical Society*, **2018**, 140, 15140-15144 16.4 48
- 331 Mapping Forbidden Emission to Structure in Self-Assembled Organic Nanoparticles. *Journal of the American Chemical Society*, **2018**, 140, 15827-15841 16.4 19
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