

CITATION REPORT

List of articles citing

Singlet exciton fission in solution

DOI: 10.1038/nchem.1801

Nature Chemistry, 2013, 5, 1019-24.

Source: <https://exaly.com/paper-pdf/55132801/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
425	Singlet Fission in CoreShell Micelles of End-Functionalized Polymers.		
424	Morphological Evolution and Singlet Fission in Aqueous Suspensions of TIPS-Pentacene Nanoparticles.		
423	Singlet Fission in Weakly Interacting Acene Molecules.		
422	Singlet-Fission-Born Quintet State: Sublevel Selections and Trapping by Multiexciton Thermodynamics.		
421	Triplet-Fusion Upconversion Using a Rigid Tetracene Homodimer.		
420	Direct Observation of Correlated Triplet Pair Dynamics during Singlet Fission Using Ultrafast Mid-IR Spectroscopy.		
419	Controlling the Efficiency of Singlet Fission in TIPS-Pentacene/Polymer Composite Nanoparticles.		
418	Sub-10 fs Time-Resolved Vibronic Optical Microscopy.		
417	Sensitizing Singlet Fission with Perovskite Nanocrystals.		
416	Using Structurally Well-Defined Norbornyl-Bridged Acene Dimers to Map a Mechanistic Landscape for Correlated Triplet Formation in Singlet Fission.		
415	First Principle Prediction of Intramolecular Singlet Fission and Triplet Triplet Annihilation Rates.		
414	Singlet fission in linear chains of molecules. 2014 , 141, 204703		13
413	Polarization-dependent exciton dynamics in tetracene single crystals. 2014 , 141, 244303		23
412	Excited-State Dynamics of Pentacene Derivatives with Stable Radical Substituents. 2014 , 126, 6833-6837		6
411	Metal-Free Triplet Phosphors with High Emission Efficiency and High Tunability. 2014 , 126, 6496-6500		22
410	Concentration- and Solvent-Dependent Photochemical Instability of 6,13-Bis(triisopropylsilylethynyl)pentacene. 2014 , 2, 636-640		15
409	Excited-state dynamics of pentacene derivatives with stable radical substituents. 2014 , 53, 6715-9		38

408	Metal-free triplet phosphors with high emission efficiency and high tunability. 2014 , 53, 6378-82	86
407	Effects of substituents on tetracene derivatives on their stabilities and singlet fission. 2014 , 51, 86-96	14
406	Erratum: Singlet exciton fission in solution. <i>Nature Chemistry</i> , 2014 , 6, 81-81	17.6 2
405	Emergent Properties in Locally Ordered Molecular Materials. 2014 , 54, 454-466	1
404	Energy flow dynamics within cofacial and slip-stacked perylene-3,4-dicarboximide dimer models of aggregates. 2014 , 136, 14912-23	100
403	Organic photovoltaics: key photophysical, device and design aspects. 2014 , 61, 1703-1713	3
402	Theoretical Investigation of Charge-Transfer Processes at Pentacene/C60 Interface: The Importance of Triplet Charge Separation and Marcus Electron Transfer Theory. 2014 , 118, 23605-23613	18
401	3D cross-correlative matrix temperature detection and non-invasive thermal mapping based on a molecular probe. 2014 , 5, 4388-4393	22
400	Direct Observation of Ultrafast Excimer Formation in Covalent Perylene-3,4,9,10-tetracarboxylic Dimers Using Near-Infrared Transient Absorption Spectroscopy. 2014 , 5, 2588-93	133
399	Inter-triplet spin-spin interaction effects on inter-conversion between different spin states in intermediate triplet-triplet pairs towards singlet fission. 2014 , 15, 2168-2172	4
398	Dissecting the Effect of Morphology on the Rates of Singlet Fission: Insights from Theory. 2014 , 118, 19608-19617	72
397	Nonlinear Density Dependence of Singlet Fission Rate in Tetracene Films. 2014 , 5, 3462-7	14
396	Molecular packing determines singlet exciton fission in organic semiconductors. 2014 , 8, 7377-83	86
395	Acceleration of Singlet Fission in an Aza-Derivative of TIPS-Pentacene. 2014 , 5, 2425-30	63
394	A Simple Kinetic Model for Singlet Fission: A Role of Electronic and Entropic Contributions to Macroscopic Rates. 2014 , 118, 5188-5195	103
393	Seeking small molecules for singlet fission: a heteroatom substitution strategy. 2014 , 136, 12638-47	100
392	Organische Chemie 2013. 2014 , 62, 264-301	
391	Tunable Singlet Exciton Fission and Triplet-Triplet Annihilation in an Orthogonal Pentacene Dimer. 2015 , 25, 5452-5461	155

390	Localization length scales of triplet excitons in singlet fission materials. 2015 , 92,	15
389	Singlet fission: Towards efficient solar cells. 2015 ,	1
388	Large Optical Nonlinearity Induced by Singlet Fission in Pentacene Films. 2015 , 127, 6320-6324	1
387	Controlling the Chromaticity of Small-Molecule Light-Emitting Electrochemical Cells Based on TIPS-Pentacene. 2015 , 25, 5066-5074	58
386	Singlet fission of hot excitons in π -conjugated polymers. 2015 , 373,	22
385	Tetracene Aggregation on Polar and Nonpolar Surfaces: Implications for Singlet Fission. 2015 , 6, 1209-15	8
384	Exciton diffusion in organic semiconductors. 2015 , 8, 1867-1888	497
383	Identification of a triplet pair intermediate in singlet exciton fission in solution. 2015 , 112, 7656-61	151
382	Exciton delocalization drives rapid singlet fission in nanoparticles of acene derivatives. 2015 , 137, 6790-803	163
381	Effect of Molecular Stacking on Exciton Diffusion in Crystalline Organic Semiconductors. 2015 , 137, 7104-10	32
380	Solvent Viscosity Effect on Triplet-Triplet Pair in Triplet Fusion. 2015 , 119, 15901-8	22
379	Pentacene appended to a TEMPO stable free radical: the effect of magnetic exchange coupling on photoexcited pentacene. 2015 , 137, 857-63	41
378	Synthesis and photophysical properties of a "face-to-face" stacked tetracene dimer. 2015 , 17, 6523-31	43
377	Intra- to Intermolecular Singlet Fission. 2015 , 119, 1312-1319	50
376	Theory of Singlet Fission in Polyenes, Acene Crystals, and Covalently Linked Acene Dimers. 2015 , 119, 6966-6979	55
375	Exploring non-Condon effects in a covalent tetracene dimer: how important are vibrations in determining the electronic coupling for singlet fission?. 2015 , 119, 299-311	51
374	Low-lying electronic excited states of pentacene oligomers: a comparative electronic structure study in the context of singlet fission. 2015 , 11, 147-56	55
373	Charge transfer-mediated singlet fission. 2015 , 66, 601-18	184

372	Exciton dynamics reveal aggregates with intermolecular order at hidden interfaces in solution-cast organic semiconducting films. 2015 , 6, 5946	45
371	High Yield Ultrafast Intramolecular Singlet Exciton Fission in a Quinoidal Bithiophene. 2015 , 6, 1375-84	91
370	Discerning Variable Extents of Interdomain Orientational and Structural Heterogeneity in Solution-Cast Polycrystalline Organic Semiconducting Thin Films. 2015 , 6, 3155-3162	16
369	Correlating Structure and Function in Organic Electronics: From Single Molecule Transport to Singlet Fission. 2015 , 27, 5453-5463	44
368	Unveiling Singlet Fission Mediating States in TIPS-pentacene and its Aza Derivatives. 2015 , 119, 6602-10	56
367	Quantitative Intramolecular Singlet Fission in Bipentacenes. 2015 , 137, 8965-72	262
366	Structural fluctuation governed dynamic diradical character in pentacene. 2015 , 17, 13904-14	7
365	Singlet fission in pentacene dimers. 2015 , 112, 5325-30	292
364	How Morphology Affects Singlet Fission in Crystalline Tetracene. 2015 , 6, 1841-6	128
363	Singlet exciton fission in thin films of tert-butyl-substituted terrylenes. 2015 , 119, 4151-61	73
362	Large optical nonlinearity induced by singlet fission in pentacene films. 2015 , 54, 6222-6	21
361	Evidence for conical intersection dynamics mediating ultrafast singlet exciton fission. 2015 , 11, 352-357	247
360	The nature of singlet exciton fission in carotenoid aggregates. 2015 , 137, 5130-9	130
359	A soluble cryogenic thermometer with high sensitivity based on excited-state configuration transformations. 2015 , 17, 27658-64	28
358	Symmetry-directed control of electronic coupling for singlet fission in covalent bis-acene dimers. 2015 , 6, 4456-62	20
357	Real time observation of the excimer formation dynamics of a gas phase benzene dimer by picosecond pump-probe spectroscopy. 2015 , 17, 25989-97	20
356	Magnetic field dependence of singlet fission in solutions of diphenyl tetracene. 2015 , 373,	7
355	Cooperative singlet and triplet exciton transport in tetracene crystals visualized by ultrafast microscopy. <i>Nature Chemistry</i> , 2015 , 7, 785-92	17.6 154

354	Photocurrent measurements of pentacene-based devices. 2015 , 2, 031101	10
353	Singlet fission induced giant optical limiting responses of pentacene derivatives. 2015 , 2, 619-624	21
352	Solution-processable singlet fission photovoltaic devices. 2015 , 15, 354-8	109
351	Relating the Physical Structure and Optoelectronic Function of Crystalline TIPS-Pentacene. 2015 , 25, 2038-2046	64
350	Role of PbSe Structural Stabilization in Photovoltaic Cells. 2015 , 25, 928-935	16
349	Femtosecond Laser Spectroscopy and Singlet Fission. 2016 , 03,	
348	Singlet Fission of Non-polycyclic Aromatic Molecules in Organic Photovoltaics. 2016 , 28, 1585-90	54
347	Intramolecular Singlet Fission in Oligoacene Heterodimers. 2016 , 128, 3434-3438	31
346	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. 2016 , 55, 5230-4	32
345	Two Birds with One Stone: Tailoring Singlet Fission for Both Triplet Yield and Exciton Diffusion Length. 2016 , 28, 7539-47	51
344	Efficient singlet exciton fission in pentacene prepared from a soluble precursor. 2016 , 4, 116112	9
343	Tuning the role of charge-transfer states in intramolecular singlet exciton fission through side-group engineering. 2016 , 7, 13622	117
342	Exciton Correlations in Intramolecular Singlet Fission. 2016 , 138, 7289-97	94
341	Access to Triplet Excited State in Core-Twisted Perylenediimide. 2016 , 120, 8443-8450	65
340	Computer calculations across time and length scales in photovoltaic solar cells. 2016 , 9, 2197-2218	22
339	A Direct Mechanism of Ultrafast Intramolecular Singlet Fission in Pentacene Dimers. 2016 , 2, 316-24	143
338	Solution-based intramolecular singlet fission in cross-conjugated pentacene dimers. 2016 , 8, 10113-23	92
337	Molecular Vibrations Induced Potential Diradical Character in Hexazapentacene. 2016 , 120, 10215-10226	8

- 336 Excessive Exoergicity Reduces Singlet Exciton Fission Efficiency of Heteroacenes in Solutions. **2016**, 138, 6739-45 62
- 335 Organic Optoelectronic Materials: Mechanisms and Applications. **2016**, 116, 13279-13412 892
- 334 Opposite Anisotropy Effects of Singlet and Triplet Exciton Diffusion in Tetracene Crystal. **2016**, 5, 201-205 7
- 333 Singlet Fission via an Excimer-Like Intermediate in 3,6-Bis(thiophen-2-yl)diketopyrrolopyrrole Derivatives. **2016**, 138, 11749-61 130
- 332 Enabling singlet fission by controlling intramolecular charge transfer in π -stacked covalent terrylenediimide dimers. *Nature Chemistry*, **2016**, 8, 1120-1125 17.6 205
- 331 Dynamic Exchange During Triplet Transport in Nanocrystalline TIPS-Pentacene Films. **2016**, 138, 16069-16080 63
- 330 Diradical Character-Based Design for Singlet Fission of Bisanthene Derivatives: Aromatic-Ring Attachment and π -Plane Twisting. **2016**, 7, 3925-3930 30
- 329 Small molecule-assisted fabrication of black phosphorus quantum dots with a broadband nonlinear optical response. **2016**, 8, 15132-6 54
- 328 Direct Observation of Excimer-Mediated Intramolecular Electron Transfer in a Cofacially-Stacked Perylene Bisimide Pair. **2016**, 138, 9029-32 94
- 327 Sub-10 fs Time-Resolved Vibronic Optical Microscopy. **2016**, 7, 4854-4859 39
- 326 Slow Singlet Fission Observed in a Polycrystalline Perylenediimide Thin Film. **2016**, 7, 4922-4928 64
- 325 Directional charge separation in isolated organic semiconductor crystalline nanowires. **2016**, 7, 10629 15
- 324 High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. **2016**, 128, 5316-5320 13
- 323 Tuning of the stability and energy levels of singlet exciton fission relevant excited states of pentacenes by site-specific substitution. **2016**, 66, 187-95 9
- 322 Effects of Charge Transfer State and Exciton Migration on Singlet Fission Dynamics in Organic Aggregates. **2016**, 120, 13351-13359 27
- 321 Observation of Two Triplet-Pair Intermediates in Singlet Exciton Fission. **2016**, 7, 2370-5 145
- 320 Solution-Phase Singlet Fission in a Structurally Well-Defined Norbornyl-Bridged Tetracene Dimer. **2016**, 120, 4473-81 51
- 319 Singlet Fission in Quinoidal Oligothiophenes. **2016**, 120, 13901-13910 22

318	Intramolecular Singlet Fission in Oligoacene Heterodimers. 2016 , 55, 3373-7	86
317	Fluctuations in Electronic Energy Affecting Singlet Fission Dynamics and Mixing with Charge-Transfer State: Quantum Dynamics Study. 2016 , 7, 363-9	31
316	Engineering the morphologies and charge transport properties of newly synthesized dibenzochrysene-based small molecules by attaching various side groups. 2016 , 130, 176-182	4
315	Synthesis and photophysical properties of a single bond linked tetracene dimer. 2016 , 1116, 200-206	7
314	Morphological Evolution and Singlet Fission in Aqueous Suspensions of TIPS-Pentacene Nanoparticles. 2016 , 120, 157-165	56
313	Unexpected Scholl Reaction of 6,7,13,14-Tetraarylbenzo[k]tetracene: Selective Formation of Five-Membered Rings in Polycyclic Aromatic Hydrocarbons. 2016 , 138, 2602-8	78
312	On couplings and excimers: lessons from studies of singlet fission in covalently linked tetracene dimers. 2016 , 18, 7751-61	81
311	Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission. 2016 , 120, 1867-75	109
310	Ultrafast Nonadiabatic Dynamics of Singlet Fission: Quantum Dynamics with the Multilayer Multiconfigurational Time-Dependent Hartree (ML-MCTDH) Method. 2016 , 120, 1375-1389	50
309	Singlet Fission in a Covalently Linked Cofacial Alkynyltetracene Dimer. 2016 , 138, 617-27	204
308	Prediction of excited-state properties of oligoacene crystals using polarizable continuum model-tuned range-separated hybrid functional approach. 2017 , 38, 569-575	25
307	Two-Dimensional Electronic Stark Spectroscopy. 2017 , 8, 679-683	15
306	Molecular Supramolecular Light Harvesting for Photochemical Energy Conversion: Making Every Photon Count. 2017 , 2, 357-363	33
305	Efficient Triplet Exciton Fusion in Molecularly Doped Polymer Light-Emitting Diodes. 2017 , 29, 1605987	106
304	Polymorphism Controlled Singlet Fission in TIPS-Anthracene: Role of Stacking Orientation. 2017 , 121, 1412-1420	45
303	A Covalently Linked Tetracene Trimer: Synthesis and Singlet Exciton Fission Property. 2017 , 19, 580-583	44
302	Photovoltaics: Nanoengineered Materials and Their Functionality in Solar Cells. 2017 , 181-206	1
301	Electron Transfer from Triplet State of TIPS-Pentacene Generated by Singlet Fission Processes to CHNHPbI Perovskite. 2017 , 8, 884-888	20

300	Synthesis and photophysical properties of a bistetracene compound with slipped stacked structure. 2017 , 340, 21-28	4
299	Effect of high-frequency modes on singlet fission dynamics. 2017 , 146, 044101	52
298	Synthesis of Geometrically Well-Defined Covalent Acene Dimers for Mechanistic Exploration of Singlet Fission. 2017 , 82, 4866-4874	13
297	Towards exploitation of singlet-exciton fission in organic crystals and potential integration with inorganic semiconductors. 2017 ,	
296	Singlet Fission in Weakly Interacting Acene Molecules. 2017 , 8, 2068-2073	11
295	Modeling Singlet Fission in Rylene and Diketopyrrolopyrrole Derivatives: The Role of the Charge Transfer State in Superexchange and Excimer Formation. 2017 , 121, 10345-10350	61
294	Intramolecular Singlet Fission in an Antiaromatic Polycyclic Hydrocarbon. 2017 , 56, 9400-9404	38
293	Enhancing Singlet Fission Dynamics by Suppressing Destructive Interference between Charge-Transfer Pathways. 2017 , 8, 2480-2488	28
292	Unified model for singlet fission within a non-conjugated covalent pentacene dimer. 2017 , 8, 15171	143
291	Non-Poissonian photon statistics from macroscopic photon cutting materials. 2017 , 8, 15537	13
290	A rigorous nonorthogonal configuration interaction approach for the calculation of electronic couplings between diabatic states applied to singlet fission. 2017 , 1116, 190-194	21
289	Singlet Fission in Rubrene Derivatives: Impact of Molecular Packing. 2017 , 29, 2777-2787	39
288	Unusual Nonemissive Behavior of Rubrene J-Aggregates: A Rare Violation. 2017 , 121, 3190-3201	5
287	Monitoring of the energy levels by heteroatom substitution to hexacene and controlling over singlet fission and photo-oxidative resistance. 2017 , 74, 24-37	3
286	Photoluminescence dynamics in singlet fission chromophore liquid melts. 2017 , 669, 99-103	3
285	Temporal mapping of photochemical reactions and molecular excited states with carbon specificity. 2017 , 16, 467-473	12
284	Synthesis and Properties of Dithiocarbamate-Linked Acenes. 2017 , 19, 210-213	6
283	Singlet fission in pancake-bonded systems. 2017 , 19, 5737-5745	20

282	Direct Observation of a Charge-Transfer State Preceding High-Yield Singlet Fission in Terrylenediimide Thin Films. 2017 , 139, 663-671	107
281	Quantum Interference in Singlet Fission: J- and H-Aggregate Behavior. 2017 , 8, 5105-5112	29
280	Harnessing singlet exciton fission to break the Shockley-Queisser limit. 2017 , 2,	199
279	Many-Molecule Reaction Triggered by a Single Photon in Polaritonic Chemistry. 2017 , 119, 136001	88
278	Carotenoid Singlet Fission Reactions in Bacterial Light Harvesting Complexes As Revealed by Triplet Excitation Profiles. 2017 , 139, 15984-15993	18
277	Exact wave packet dynamics of singlet fission in unsubstituted and substituted polyene chains within long-range interacting models. 2017 , 96,	5
276	The mechanism of excimer formation: an experimental and theoretical study on the pyrene dimer. 2017 , 19, 25002-25015	76
275	Space Environment Effects on Flexible, Low-Voltage Organic Thin-Film Transistors. 2017 , 9, 35150-35158	13
274	Triplet Harvesting from Intramolecular Singlet Fission in Polytetracene. 2017 , 29, 1701416	55
273	Distinct properties of the triplet pair state from singlet fission. 2017 , 3, e1700241	85
272	Anion Photoelectron Spectroscopy of Rubrene: Molecular Insights into Singlet Fission Energetics. 2017 , 121, 20680-20686	7
271	Diagrammatic Exciton Basis Theory of the Photophysics of Pentacene Dimers. 2017 , 8, 4468-4478	19
270	Probing Distance Dependent Charge-Transfer Character in Excimers of Extended Viologen Cyclophanes Using Femtosecond Vibrational Spectroscopy. 2017 , 139, 14265-14276	48
269	A structural study on the excimer state of an isolated benzene dimer using infrared spectroscopy in the skeletal vibration region. 2017 , 19, 22759-22776	12
268	The entangled triplet pair state in acene and heteroacene materials. 2017 , 8, 15953	133
267	Rational design of doubly-bridged chromophores for singlet fission and triplet-triplet annihilation. 2017 , 7, 34830-34845	12
266	Triisopropylsilylethynyl-Pentacene on Au(111): Adsorption Properties, Electronic Structure, and Singlet Fission Dynamics. 2017 , 121, 18075-18083	10
265	Substituent Effects on Singlet Exciton Fission in Polycrystalline Thin Films of Cyano-Substituted Diaryltetracenes. 2017 , 121, 21262-21271	22

264	Solution-processable, crystalline material for quantitative singlet fission. 2017 , 4, 915-923	44
263	On the Influence of the Bridge on Triplet State Delocalization in Linear Porphyrin Oligomers. 2017 , 139, 12003-12008	14
262	Photophysical characterization and time-resolved spectroscopy of a anthradithiophene dimer: exploring the role of conformation in singlet fission. 2017 , 19, 23162-23175	25
261	Tuning Singlet Fission in π -Bridge- π Chromophores. 2017 , 139, 12488-12494	115
260	Ultrafast Quantum Effects and Vibrational Dynamics in Organic and Biological Systems. 2017 ,	
259	Theory of Transient Excited State Absorptions in Pentacene and Derivatives: Triplet-Triplet Biexciton versus Free Triplets. 2017 , 8, 5943-5948	28
258	Efficient Singlet Fission and Triplet-Pair Emission in a Family of Zethrene Diradicaloids. 2017 , 139, 18376-18385	78
257	Harnessing Molecular Vibrations to Probe Triplet Dynamics During Singlet Fission. 2017 , 8, 5700-5706	35
256	Delocalisation of photoexcited triplet states probed by transient EPR and hyperfine spectroscopy. 2017 , 280, 103-116	65
255	Intramolecular Singlet Fission in an Antiaromatic Polycyclic Hydrocarbon. 2017 , 129, 9528-9532	8
254	Singlet fission in thin films of metallo-supramolecular polymers with ditopic thiophene-bridged terpyridine ligands. 2017 , 5, 8041-8051	13
253	Molecular packing correlated fluorescence in TIPS-pentacene films. 2017 , 49, 340-346	9
252	Quintet multiexciton dynamics in singlet fission. 2017 , 13, 182-188	164
251	Benchmarking singlet and triplet excitation energies of molecular semiconductors for singlet fission: Tuning the amount of HF exchange and adjusting local correlation to obtain accurate functionals for singlet-triplet gaps. 2017 , 482, 319-338	36
250	Electronic Structure and Dynamics of Singlet Fission in Organic Molecules and Crystals. 2017 , 1-38	9
249	Beating maps of singlet fission: Simulation of coherent two-dimensional electronic spectroscopy by Davydov ansatz in organic molecules. 2017 , 147, 224905	15
248	Toward Exploring Novel Organic Materials: MP4-DFT Properties of 4-Amino-3-Iminoindene. 2017 , 22,	2
247	Singlet Fission: Optimization of Chromophore Dimer Geometry. 2017 , 75, 175-227	31

246	Singlet exciton fission in a linear tetracene tetramer. 2018 , 6, 3245-3253	26
245	Dynamics of singlet fission and electron injection in self-assembled acene monolayers on titanium dioxide. 2018 , 9, 3004-3013	31
244	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. 2018 , 9, 954	50
243	Theoretical Modeling of Singlet Fission. 2018 , 118, 7164-7207	234
242	Intramolecular singlet fission in a face-to-face stacked tetracene trimer. 2018 , 20, 6330-6336	15
241	Long-Lived Correlated Triplet Pairs in a π -Stacked Crystalline Pentacene Derivative. 2018 , 140, 2326-2335	57
240	Two-Dimensional Spectroscopy Is Being Used to Address Core Scientific Questions in Biology and Materials Science. 2018 , 122, 1771-1780	45
239	Endothermic singlet fission is hindered by excimer formation. <i>Nature Chemistry</i> , 2018 , 10, 305-310	17.6 88
238	Stepwise two-photon absorption processes utilizing photochromic reactions. 2018 , 34, 2-28	30
237	Theoretical Studies of Singlet Fission: Searching for Materials and Exploring Mechanisms. 2018 , 83, 146-182	67
236	Direct Observation of Correlated Triplet Pair Dynamics during Singlet Fission Using Ultrafast Mid-IR Spectroscopy. 2018 , 122, 2012-2022	54
235	Pentacene Dimers as a Critical Tool for the Investigation of Intramolecular Singlet Fission. 2018 , 24, 8245-8257	85
234	Polariton-Assisted Singlet Fission in Acene Aggregates. 2018 , 9, 1951-1957	68
233	Structure and dynamics of triplet-exciton pairs generated from singlet fission studied via magnetic field effects. 2018 , 1,	19
232	Singlet and triplet transitions in UV absorption spectra of pentacene. 2018 , 52, 38-44	2
231	Organic semiconductor crystals. 2018 , 47, 422-500	429
230	Time-Resolved EPR Study on Singlet-Fission Induced Quintet Generation and Subsequent Triplet Dissociation in TIPS-Phenyl-Tetracene Aggregates. 2018 , 31, 163-167	1
229	Excimer emission induced intra-system self-absorption enhancement π a novel strategy to realize high efficiency and excellent stability ternary organic solar cells processed in green solvents. 2018 , 6, 23840-23855	25

228	Diphenylisobenzofuran Bound to Nanocrystalline Metal Oxides: Excimer Formation, Singlet Fission, Electron Injection, and Low Energy Sensitization. 2018 , 122, 28478-28490	14
227	Ultrafast Dynamics of Charge Transfer and Photochemical Reactions in Solar Energy Conversion. 2018 , 5, 1800221	22
226	Optical probes of the quantum-entangled triplet-triplet state in a heteroacene dimer. 2018 , 98,	7
225	Singlet Fission in 9,10-Bis(phenylethynyl)anthracene Thin Films. 2018 , 140, 15140-15144	48
224	Conjugated Oligomers with Stable Radical Substituents: Synthesis, Single Crystal Structures, Electronic Structure, and Excited State Dynamics. 2018 , 30, 7840-7851	11
223	Singlet-Fission-Born Quintet State: Sublevel Selections and Trapping by Multiexciton Thermodynamics. 2018 , 9, 5855-5861	39
222	Identifying (BN)-pyrenes as a New Class of Singlet Fission Chromophores: Significance of Azaborine Substitution. 2018 , 9, 2919-2927	20
221	On the possibility of singlet fission in crystalline quaterrylene. 2018 , 148, 184101	12
220	Surface States Mediate Triplet Energy Transfer in Nanocrystal-Acene Composite Systems. 2018 , 140, 7543-7553	63
219	Striking the right balance of intermolecular coupling for high-efficiency singlet fission. 2018 , 9, 6240-6259	70
218	Peridinin Torsional Distortion and Bond-Length Alternation Introduce Intramolecular Charge-Transfer and Correlated Triplet Pair Intermediate Excited States. 2018 , 122, 5835-5844	6
217	Carbene derived diradicaloids - building blocks for singlet fission?. 2018 , 9, 6107-6117	47
216	Singlet Fission in Covalent Terrylenediimide Dimers: Probing the Nature of the Multiexciton State Using Femtosecond Mid-Infrared Spectroscopy. 2018 , 140, 9184-9192	75
215	Pulse Radiolysis of TIPS-Pentacene and a Fluorene-bridged Bis(pentacene): Evidence for Intramolecular Singlet-Exciton Fission. 2018 , 9, 3934-3938	10
214	Singlet Fission in CoreShell Micelles of End-Functionalized Polymers. 2018 , 30, 4409-4421	12
213	New insights into the design of conjugated polymers for intramolecular singlet fission. 2018 , 9, 2999	61
212	Auto-phase-locked measurement of time-gated luminescence spectra with a microsecond delay. 2018 , 43, 2575-2578	3
211	Evidence for Charge-Transfer Mediation in the Primary Events of Singlet Fission in a Weakly Coupled Pentacene Dimer. 2018 , 4, 1092-1111	74

- 210 High-Yield Generation of Triplet Excited States by an Efficient Sequential Photoinduced Process from Energy Transfer to Singlet Fission in Pentacene-Modified CdSe/ZnS Quantum Dots. **2018**, 24, 17062-17071¹¹
- 209 Ultrafast Singlet Exciton Fission Dynamics in 9,10-Bis(phenylethynyl)anthracene Nanoaggregates and Thin Films. **2018**, 122, 21047-21055 33
- 208 Crystalline silicon solar cells with tetracene interlayers: the path to silicon-singlet fission heterojunction devices. **2018**, 5, 1065-1075 58
- 207 The hierarchical and perturbative forms of stochastic Schrödinger equations and their applications to carrier dynamics in organic materials. **2019**, 9, e1375 13
- 206 Vibronic fingerprint of singlet fission in hexacene. **2019**, 151, 054703 12
- 205 A Marcus-Hush perspective on adiabatic singlet fission. **2019**, 151, 054305 3
- 204 Exploiting Excited-State Aromaticity To Design Highly Stable Singlet Fission Materials. **2019**, 141, 13867-13876⁵⁵
- 203 Efficient triplet pair separation from intramolecular singlet fission in dibenzopentalene derivatives. **2019**, 62, 1037-1043 3
- 202 Quantum dynamical simulation of intramolecular singlet fission in covalently coupled pentacene dimers. **2019**, 151, 044307 9
- 201 Vibrational probe of the origin of singlet exciton fission in TIPS-pentacene solutions. **2019**, 151, 154701 11
- 200 Oxygen-catalysed sequential singlet fission. **2019**, 10, 5202 10
- 199 Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. **2019**, 151, 164706 16
- 198 Multidimensional Spectroscopy on the Microscale: Development of a Multimodal Imaging System Incorporating 2D White-Light Spectroscopy, Broadband Transient Absorption, and Atomic Force Microscopy. **2019**, 123, 10824-10836 13
- 197 Weakly coupled triplet pair states probed by quantum beating in delayed fluorescence in tetracene crystals. **2019**, 151, 134309 6
- 196 Morphology independent triplet formation in pentalene films: Singlet fission as the triplet formation mechanism. **2019**, 151, 124701 9
- 195 Enhance root-bleeding sap flow and root lodging resistance of maize under a combination of nitrogen strategies and farming practices. **2019**, 224, 105742 8
- 194 Enhancing the intermolecular singlet fission efficiency by controlling the self-assembly of amphiphilic tetracene derivatives in aqueous solution. **2019**, 7, 11090-11098 7
- 193 Anisotropic Singlet Fission in Single Crystalline Hexacene. **2019**, 19, 1079-1089 11

192	Magnetic field effect on singlet exciton fission: A sensitive probe of molecular level morphology in organic films. 2019 , 67, 194-199	3
191	Different Dissociation Rates of Singlet and Triplet Excitons of Pentacene at the Interface in Solar Cells. 2019 , 123, 3541-3551	6
190	Unraveling structural dynamics in isoenergetic excited S and multi-excitonic (TT) states of 9,10-bis(phenylethynyl)anthracene (BPEA) in solution via ultrafast Raman loss spectroscopy. 2019 , 21, 14341-14349	3
189	Near-Infrared (NIR) Organic Light-Emitting Diodes (OLEDs): Challenges and Opportunities. 2019 , 29, 1807623	207
188	Design of singlet fission chromophores with cyclic (alkyl)(amino) carbene building blocks. 2019 , 150, 234306	24
187	Triplet-Pair States in Organic Semiconductors. 2019 , 70, 323-351	55
186	Persistent Multiexcitons from Polymers with Pendent Pentacenes. 2019 , 141, 9564-9569	20
185	Tailoring Ultrafast Singlet Fission by the Chemical Modification of Phenazinothiadiazoles. 2019 , 141, 8834-8845	26
184	Molecular Technology of Excited Triplet State. 2019 , 155-186	
183	Excimer-Mediated Intermolecular Charge Transfer in Self-Assembled Donor-Acceptor Dyes on Metal Oxides. 2019 , 141, 8727-8731	16
182	Optical features of hybrid molecular/biological-quantum dot systems governed by energy transfer processes. 2019 , 7, 6512-6526	5
181	Defined Merocyanine Dye Stacks from a Dimer up to an Octamer by Spacer-Encoded Self-Assembly Approach. 2019 , 141, 7428-7438	28
180	Unveiling the concentration dependent direct triplet formation via singlet fission in a tetracene derivative. 2019 , 205, 09031	0
179	Computationally Driven Design Principles for Singlet Fission in Organic Chromophores. 2019 , 123, 19257-19268	8
178	Singlet Fission from Upper Excited Electronic States of Cofacial Perylene Dimer. 2019 , 10, 2428-2433	25
177	Solvent-Modulated Charge-Transfer Resonance Enhancement in the Excimer State of a Bay-Substituted Perylene Bisimide Cyclophane. 2019 , 10, 1919-1927	25
176	First Principle Prediction of Intramolecular Singlet Fission and Triplet Triplet Annihilation Rates. 2019 , 15, 2246-2253	7
175	Controlling the Efficiency of Singlet Fission in TIPS-Pentacene/Polymer Composite Nanoparticles. 2019 , 123, 5813-5825	14

174	Phenylated Acene Derivatives as Candidates for Intermolecular Singlet Fission. 2019 , 123, 5890-5899	13
173	Varying the Interpentacene Electronic Coupling to Tune Singlet Fission. 2019 , 141, 6191-6203	42
172	Diaminodicyanoquinones: Fluorescent Dyes with High Dipole Moments and Electron-Acceptor Properties. 2019 , 58, 8235-8239	18
171	Diaminodicyanochinone [Fluoreszenzfarbstoffe mit hohem Dipolmoment und Elektronenakzeptor-Eigenschaften. 2019 , 131, 8321-8326	2
170	Photon upconversion utilizing energy beyond the band gap of crystalline silicon with a hybrid TES-ADT/PbS quantum dots system. 2019 , 10, 4750-4760	33
169	Anticipating Acene-Based Chromophore Spectra with Molecular Orbital Arguments. 2019 , 123, 2527-2536	12
168	Sensitizing Singlet Fission with Perovskite Nanocrystals. 2019 , 141, 4919-4927	61
167	High-Voltage Photogeneration Exclusively via Aggregation-Induced Triplet States in a Heavy-Atom-Free Nonplanar Organic Semiconductor. 2019 , 9, 1901649	3
166	Starphenes and Phenenes: Structures and Properties. 2019 , 01, 001-018	8
165	Singlet Fission in Tetraaza-TIPS-Pentacene Oligomers: From fs Excitation to μ s Triplet Decay via the Biexcitonic State. 2019 , 123, 10780-10793	13
164	Triplet-Fusion Upconversion Using a Rigid Tetracene Homodimer. 2019 , 10, 7463-7469	27
163	Influence of the heavy-atom effect on singlet fission: a study of platinum-bridged pentacene dimers. 2019 , 10, 11130-11140	13
162	Smartphone-based apparatus for measuring upconversion luminescence lifetimes. 2019 , 1054, 122-127	12
161	Spin density encodes intramolecular singlet exciton fission in pentacene dimers. 2019 , 10, 33	22
160	Intermolecular Singlet Fission in Unsymmetrical Derivatives of Pentacene in Solution. 2019 , 9, 1802221	13
159	Global luminescence lifetime imaging of thermally activated delayed fluorescence on an auto-phase-locked time-gated microscope. 2019 , 280, 177-182	9
158	Excimer based FRET between non-FRET pair fluorophores aided by the aromatic moiety of anionic surfactants: An experimental observation. 2019 , 277, 84-92	6
157	Azaacene Dimers: Acceptor Materials with a Twist. 2020 , 26, 412-418	9

156	Nonlinear optoelectronic processes in organic optoelectronic devices: Triplet-triplet annihilation and singlet fission. 2020 , 139, 100519	29
155	Singlet Fission in Quaternarydiimide Thin Films. 2020 , 124, 2791-2798	9
154	Tuning Triplet-Pair Separation versus Relaxation Using a Diamond Anvil Cell. 2020 , 1, 100005	3
153	Topology of quantum coherence networks in singlet fission: mapping exciton states into real space and the dislocation induced three dimensional manifolds. 2020 , 22, 1258-1267	4
152	Revealing the Nature of Singlet Fission under the Veil of Internal Conversion. 2020 , 59, 2003-2007	14
151	Impact of non-equilibrium molecular packings on singlet fission in microcrystals observed using 2D white-light microscopy. <i>Nature Chemistry</i> , 2020 , 12, 40-47	17.6 26
150	Revealing the Nature of Singlet Fission under the Veil of Internal Conversion. 2020 , 132, 2019-2023	0
149	Back-contact structures for optoelectronic devices: Applications and perspectives. 2020 , 78, 105362	5
148	Evaluation of Single-Reference DFT-Based Approaches for the Calculation of Spectroscopic Signatures of Excited States Involved in Singlet Fission. 2020 , 124, 8446-8460	6
147	Ultrafast Triplet Pair Separation and Triplet Trapping following Singlet Fission in Amorphous Pentacene Films. 2020 , 124, 23567-23578	6
146	Solvent-Dependent Singlet Fission in Diketopyrrolopyrrole Dimers: A Mediating Charge Transfer versus a Trapping Symmetry-Breaking Charge Separation. 2020 , 10, 2001496	14
145	Balancing Charge Transfer and Frenkel Exciton Coupling Leads to Excimer Formation in Molecular Dimers: Implications for Singlet Fission. 2020 , 124, 8478-8487	11
144	The Role of Long-Lived Excitons in the Dynamics of Strongly Coupled Molecular Polaritons. 2020 , 7, 2292-2301	12
143	Controlling Singlet Fission with Coordination Chemistry-Induced Assembly of Dipyrrolyl Pyrrole Bipentacenes. 2020 , 6, 2088-2096	7
142	Controlling M _B ius-Type Helicity and the Excited-State Properties of Cumulenes with Carbenes. 2020 , 124, 10100-10110	8
141	Molecular Engineering of Chromophores to Enable Triplet-Triplet Annihilation Upconversion. 2020 , 142, 19917-19925	13
140	Shape-Selective Synthesis of Pentacene Macrocycles and the Effect of Geometry on Singlet Fission. 2020 , 142, 19850-19855	7
139	Activating intramolecular singlet exciton fission by altering bridge flexibility in perylene diimide trimers for organic solar cells. 2020 , 11, 8757-8770	8

- 138 Auto-Phase-Locked Time-Resolved Luminescence Detection: Principles, Applications, and Prospects. **2020**, 8, 562 3
- 137 Steady-State Fluorescence Signatures of Intramolecular Singlet Fission from Stochastic Predictions. **2020**, 124, 8918-8930 1
- 136 Diffusion-Controlled Singlet Fission in a Chlorinated Phenazinothiadiazole by Broadband Femtosecond Transient Absorption. **2020**, 124, 10186-10194 2
- 135 Role of Intermolecular Interactions in the Excited-State Photophysics of Tetracene and 2,2'-Ditetracene. **2020**, 124, 19435-19446 2
- 134 Ultrafast Singlet Fission and Intersystem Crossing in Halogenated Tetraazaperopyrenes. **2020**, 124, 7857-7868 4
- 133 Dual Amplified Spontaneous Emission and Lasing from Nanographene Films. **2020**, 10, 7
- 132 Singlet Fission and Electron Injection from the Triplet Excited State in Diphenylisobenzofuran Semiconductor Assemblies: Effects of Solvent Polarity and Driving Force. **2020**, 124, 20794-20805 6
- 131 Bridge Resonance Effects in Singlet Fission. **2020**, 124, 9392-9399 6
- 130 Molecular Design Principle for Efficient Singlet Fission Based on Diradical Characters and Exchange Integrals: Multiple Heteroatom Substitution Effect on Anthracenes. **2020**, 124, 11800-11809 10
- 129 Singlet Fission in Carbene-Derived Diradicaloids. **2020**, 132, 7980-7988 2
- 128 Collecting up to 115% of Singlet-Fission Products by Single-Walled Carbon Nanotubes. **2020**, 14, 8875-8886 4
- 127 Designs of Singlet Fission Chromophores with a Diazadiborinine Framework**. **2020**, 4, 5279-5287 7
- 126 Triggered singlet fission via tuning current density vectors (CDV) in the ground-state and excited-state. **2020**, 84, 105795 1
- 125 Hydrogen Migration-Triggered Diradicaloid Singlet-Fission Switch. **2020**, 142, 11791-11803 2
- 124 Direct vs Delayed Triplet Energy Transfer from Organic Semiconductors to Quantum Dots and Implications for Luminescent Harvesting of Triplet Excitons. **2020**, 14, 4224-4234 17
- 123 Singlet Fission in Carbene-Derived Diradicaloids. **2020**, 59, 7906-7914 23
- 122 Enhanced Intersystem Crossing and Transient Electron Spin Polarization in a Photoexcited Pentacene-Triptyl Radical. **2020**, 124, 6068-6075 9
- 121 The Photophysical Properties of Triisopropylsilyl-ethynylpentacene: A Molecule with an Unusually Large Singlet-Triplet Energy Gap in Solution and Solid Phases. **2020**, 2, 545-564 6

120	Molecular insights and concepts to engineer singlet fission energy conversion devices. 2020 , 13, 2741-2804	25
119	Multiexcitonic Triplet Pair Generation in Oligoacene Dendrimers as Amorphous Solid-State Miniatures. 2020 , 132, 21142-21150	2
118	Multiexcitonic Triplet Pair Generation in Oligoacene Dendrimers as Amorphous Solid-State Miniatures. 2020 , 59, 20956-20964	10
117	Pyrene-stabilized acenes as intermolecular singlet fission candidates: importance of exciton wave-function convergence. 2020 , 32, 184001	6
116	Anisotropic Geminate and Non-Geminate Recombination of Triplet Excitons in Singlet Fission of Single Crystalline Hexacene. 2020 , 11, 1261-1267	5
115	Lessons from intramolecular singlet fission with covalently bound chromophores. 2020 , 152, 040904	44
114	Charge-Transfer Character in Excimers of Perylenediimides Self-Assembled on Anodic Aluminum Oxide Membrane Walls. 2020 , 124, 4369-4377	7
113	Ultrafast Electron Transfer Before Singlet Fission and Slow Triplet State Electron Transfer in Pentacene Single Crystal/C Heterostructure. 2020 , 124, 4185-4192	3
112	Effects of site-specific substitution to hexacene and its effect towards singlet fission. 2020 , 98, 107608	2
111	A systematic analysis of excitonic properties to seek optimal singlet fission: the BN-substitution patterns in tetracene. 2020 , 8, 7793-7804	12
110	Kontrolle des intramolekularen Förster-Resonanzenergietransfers und der Singulettspaltung in einem Subporphyrizin-Pentacen-Konjugat mittels Lösungsmittelpolarität. 2021 , 133, 1496-1503	0
109	Controlling Intramolecular Förster Resonance Energy Transfer and Singlet Fission in a Subporphyrazine-Pentacene Conjugate by Solvent Polarity. 2021 , 60, 1474-1481	1
108	High-Resolution Electronic Excitation and Emission Spectra of Pentacene and 6,13-Diazapentacene Monomers and Weakly Bound Dimers by Matrix-Isolation Spectroscopy. 2021 , 27, 2072-2081	5
107	Emissive spin-0 triplet-pairs are a direct product of triplet-triplet annihilation in pentacene single crystals and anthradithiophene films. <i>Nature Chemistry</i> , 2021 , 13, 163-171	17.6 24
106	Transitions between electronic states. 2021 , 463-521	0
105	Excited states engineering enables efficient near-infrared lasing in nanographenes. 2021 ,	4
104	Singlet Fission Dynamics in the 5,12-Bis(phenylethynyl)tetracene Thin Film. 2021 , 125, 2583-2591	2
103	Photogenerated carrier dynamics of TIPS-pentacene films as studied by photocurrent and electrically detected magnetic resonance. 2021 , 23, 6361-6369	1

102	Competition between triplet pair formation and excimer-like recombination controls singlet fission yield. 2021 , 2, 100339	5
101	Singlet Exciton Fission and Associated Enthalpy Changes with a Covalently Linked Bichromophore Comprising TIPS-Pentacenes Held in an Open Conformation. 2021 , 125, 1184-1197	3
100	Perspectives in Dye Chemistry: A Rational Approach toward Functional Materials by Understanding the Aggregate State. 2021 , 143, 4500-4518	46
99	Singlet exciton fission in a modified acene with improved stability and high photoluminescence yield. 2021 , 12, 1527	10
98	Ultrafast Resonant Interatomic Coulombic Decay Induced by Quantum Fluid Dynamics. 2021 , 11,	2
97	Synthesis and Characterization of 5,5'-Bitetracene. 2021 , 50, 800-803	0
96	Reply to: On the observation of photo-excitation effects in molecules using muon spin spectroscopy. 2021 ,	
95	EPR of Photoexcited Triplet-State Acceptor Porphyrins. 2021 , 125, 11782-11790	2
94	The Role of the Core Attachment Positioning in Triggering Intramolecular Singlet Exciton Fission in Perylene Diimide Tetramers. 2021 , 125, 5114-5131	3
93	Role of nanosize and defect trapping upon singlet fission yield and singlet fission dynamics of 1,6-Diphenyl-1,3,5-hexatriene nanoaggregates. 2021 , 413, 113262	0
92	Singlet fission in nanoaggregate of bis(phenylethynyl) derivative of benzene (BPEB): High energy triplet exciton generation with >100 % yield. 2021 , 412, 113251	0
91	Singlet Fission Dynamics of Colloidal Nanoparticles of a Perylenediimide Derivative in Solutions. 2021 , 125, 7967-7974	1
90	Supramolecular Singlet Fission of Pentacene Dimers within Polyaromatic Capsules. 2021 ,	8
89	Singlet Fission in Terrylenediimide Single Crystals: Competition between Biexciton Annihilation and Free Triplet Exciton Formation. 2021 , 125, 13946-13953	1
88	Characterization of the ultrafast spectral diffusion and vibronic coherence of TIPS-pentacene using 2D electronic spectroscopy. 2021 , 155, 014302	2
87	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. 2021 , 60, 17887-17892	2
86	Enthalpy-Entropy Compensation Effect for Triplet Pair Dissociation of Intramolecular Singlet Fission in Phenylene Spacer-Bridged Hexacene Dimers. 2021 , 12, 6457-6463	4
85	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. 2021 , 133, 18031-18036	1

84	Singlet Fission in Concentrated TIPS-Pentacene Solutions: The Role of Excimers and Aggregates. 2021 , 143, 13749-13758	5
83	Pentacene-Bridge Interactions in an Axially Chiral Binaphthyl Pentacene Dimer. 2021 , 125, 7226-7234	2
82	Excimers in Multichromophoric Assemblies: Boon or Bane?. 2021 , 3, 455-468	0
81	A fluorescent calix[4]arene with naphthalene units at the upper rim exhibits long fluorescence emission lifetime without fluorescence quenching.. 2021 , 11, 11651-11654	1
80	Singlet fission from upper excited singlet states and polaron formation in rubrene film.. 2021 , 11, 4639-4645	9
79	The role of orientation in the MEL response of OLEDs. 2021 , 9, 10052-10064	1
78	Elucidating the excited-state dynamics behavior in near-infrared Bodipy dye and aggregates toward biophotonics. 2020 , 63, 1075-1081	1
77	Planarity and Length of the Bridge Control Rate and Efficiency of Intramolecular Singlet Fission in Pentacene Dimers. 2021 , 125, 231-239	6
76	Tuning singlet fission in amphipathic tetracene nanoparticles by controlling the molecular packing with side-group engineering. 2020 , 4, 2113-2125	3
75	Singlet fission in core-linked terrylenediimide dimers. 2020 , 153, 244306	3
74	A study on the effect of film crystallinity and morphology on charge carrier concentration-dependent hole mobility in pentacene thin-film transistors: advantages of high deposition rate. 2021 , 54, 015104	3
73	TIPS-anthracene: a singlet fission or triplet fusion material?. 2018 , 8, 1	8
72	Near-Unity Singlet Fission on a Quantum Dot Initiated by Resonant Energy Transfer. 2021 , 143, 17388-17394	2
71	Singlet Fission: Mechanisms and Molecular Design. 2022 , 291-311	1
70	Effect of Diffusion on Photo-Induced Excited-State Energy Transfer between Fluorescent Semiconducting Molecules: Tris-(8-hydroxyquinoline) Aluminum and 6,13-Bis (Triisopropylsilylethynyl) Pentacene. 2021 , 125, 23011-23020	1
69	Ultrafast spectroscopic study for singlet fission. 2015 , 64, 094210	
68	2D Spectroscopy of Pentacene Thin Films. 2017 , 33-58	
67	Recent advance in multiple exciton generation in semiconductor nanocrystals. 2018 , 67, 027302	

66	Manipulating Photochemistry. 2020 , 99-120	
65	Introduction. 2020 , 1-27	
64	Directing Energy Transfer in Halide Perovskite-Chromophore Hybrid Assemblies. 2021 , 143, 19214-19223	12
63	Structure Set in Stone: Designing Rigid Linkers to Control the Efficiency of Intramolecular Singlet Fission. 2021 , 125, 13235-13245	0
62	Near-Infrared to Visible Photon Upconversion by Palladium(II) Octabutoxyphthalocyanine and Rubrene in the Solid State. 2021 , 125, 25643-25650	4
61	Ultrafast sorting: Excimeric π -stacking distinguishes pyrene-N-methylacetamide isomers on the ultrafast time scale.. 2021 , 155, 234304	
60	Excitation dynamics in polyacene molecules on rare-gas clusters.. 2022 , 156, 034305	0
59	Insight into the Adsorption Structure of TIPS-Pentacene on Noble Metal Surfaces. 2022 , 126, 2689-2698	
58	Singlet fission in colloid nanoparticles of amphipathic 9,10-bis(phenylethynyl)anthracene derivatives. 2022 , 427, 113826	0
57	Efficient singlet fission in nanoparticles of amphipathic anthracene-tetracene dyad with broadband light harvesting ability. 2022 , 10, 1878-1886	0
56	Overcoming energy loss of thermally activated delayed fluorescence sensitized-OLEDs by developing a fluorescent dopant with a small singlet-triplet energy splitting. 2022 , 10, 1681-1689	0
55	Exploring a new class of singlet fission fluorene derivatives with high-energy triplets.. 2022 , 13, 2071-2078	1
54	Exciton Polaritons Reveal Hidden Populations in Functionalized Pentacene Films. 2021 , 125, 27381-27393	1
53	Molecular Rotational Conformation Controls the Rate of Singlet Fission and Triplet Decay in Pentacene Dimers.	0
52	Altering singlet fission pathways in perylene-dimers; perylene-diimide perylene-monoimide.. 2022 ,	1
51	Photoinduced Symmetry Breaking-Charge Separation in the Aggregated State of Perylene Diimide: Effect of Hydrophobicity. 2022 , 126, 3872-3880	3
50	Quantifying Exciton Transport in Singlet Fission Diblock Copolymers.. 2022 ,	2
49	Extracting quantitative dielectric properties from pump-probe spectroscopy.. 2022 , 13, 1437	3

48	Unraveling the Singlet Fission Effects on Charge Modulations of Organic Phototransistor Memory Devices. 2022 , 4, 1266-1276	0
47	Distinguishing between Triplet-Pair State and Excimer Emission in Singlet Fission Chromophores Using Mixed Thin Films.	1
46	H-Type-like Aggregation-Accelerated Singlet Fission Process in Dipyrrolonaphthyridinedione Thin Film: The Role of Charge Transfer/Excimer Mixed Intermediate State.. 2021 , 12, 12276-12282	5
45	Molecular Design Strategy for High-Yield and Long-Lived Individual Doubled Triplet Excitons through Intramolecular Singlet Fission. 2022 , 7, 390-400	4
44	Enhancement of Singlet Fission Yield by Hindering Excimer Formation in Perylene Film. 2022 , 126, 396-403	0
43	Topology and ultrafast excited-state dynamics of remarkably photochemically stabilized pentacene derivatives with radical substituents.. 2022 ,	
42	High-Performance Colloidal ZnO Quantum Dots/TIPS-Pentacene Heterojunction-Based Ultraviolet Photodetectors. 2022 , 1-6	2
41	An energetics assessment of benzo[a]tetracene and benzo[a]pyrene as triplet-triplet annihilation emitters.	0
40	Recent Advances in Luminescent Downconversion: New Materials, Techniques, and Applications in Solar Cells. 2200014	0
39	Finding predictive models for singlet fission by machine learning. 2022 , 8,	0
38	Singlet fission photovoltaics: Progress and promising pathways. 2022 , 3, 021304	3
37	Overcome energy loss of exciplex-sensitized fluorescence OLEDs with separating exciton generation and fluorescence emission zone. 2022 , 39, 166-172	
36	Faster Resonance Energy Transfer between Fluorescent Organic Semiconductors: Poly(9,9-dioctylfluorene--benzothiadiazole) and 6,13-Bis(triisopropylsilylethynyl)pentacene.. 2022 ,	0
35	Parallel versus Twisted Pentacenes: Conformational Impact on Singlet Fission. 5094-5100	0
34	Photocatalytic Water Splitting on KTa(Zr)O ₃ Modified with Acene-Based Organic Semiconductors.	0
33	Excited-State Dynamics of 5,14- vs 6,13-Bis(trialkylsilylethynyl)-Substituted Pentacenes: Implications for Singlet Fission. 2022 , 126, 9784-9793	0
32	Microsecond-resolved smartphone time-gated luminescence spectroscopy.	
31	Effect of Crystallinity on Endoergic Singlet Fission in Perylenediimide Single Crystals and Polycrystalline Films.	3

- 30 Singlet Fission Materials for Photovoltaics: from Small Molecules to Macromolecules. 2200326 0
- 29 Effect of nanoscale confinement on ultrafast dynamics of singlet fission in TIPS-pentacene.
- 28 The Role of Crystal Packing on the Optical Response of Trialkyltetraethynyl Acenes. 0
- 27 Photophysics of Dibenzo[a,h]pentacene upon Monomer to Thin Film Transformation: Enhanced Visible Light Absorption and Ultrafast Singlet Fission. **2022**, 126, 12082-12090 0
- 26 Energy Versus Electron Transfer: Managing Excited-State Interactions in Perovskite Nanocrystal/Molecular Hybrids. 10
- 25 Direct Exciton Harvesting from a Bound Triplet Pair. 2203974 0
- 24 Singlet Fission in Colloidal Nanoparticles of Amphiphilic Diketopyrrolopyrrole Derivatives: Probing the Role of the Charge Transfer State. 0
- 23 Pitfalls of quantifying intersystem crossing rates in singlet-fission chromophore solutions. **2022**, 157, 084312 1
- 22 Flavanthrene derivatives as photostable and efficient singlet exciton fission materials. **2022**, 13, 9914-9920 0
- 21 Unravelling the major factors in photo-oxidative stability of anthradithiophene derivatives. 0
- 20 Deciphering the role of (anti)aromaticity in cofacial excimers of linear acenes. 1
- 19 Research Progress on Singlet Fission in Acenes and Their Derivatives. **2022**, 9, 689 0
- 18 Probing Through-Bond and Through-Space Interactions in Singlet Fission-Based Pentacene Dimers. **2022**, 13, 8978-8986 0
- 17 Surface energetics mediated charge transfer and exciton transfer in cation-adsorbed rubrene/PbS nanocrystal hybrids. 0
- 16 Recent advances in triplet-triplet annihilation upconversion and singlet fission, towards solar energy applications. 1
- 15 Organic low-dimensional heterojunctions toward future applications. **2022**, 5, 3706-3739 2
- 14 Singlet fission initiating triplet generations of BODIPY derivatives through π - π -stacking: a theoretical study. **2022**, 12, 0
- 13 Triplets with a Twist: Ultrafast Intersystem Crossing in a Series of Electron Acceptor Materials Driven by Conformational Disorder. 0

- 12 Singlet fission dynamics modulated by molecular configuration in covalently linked pyrene dimers, Anti- and Syn-1,2-di(pyrenyl)benzene. **2023**, 6,
- 11 Tuning Intermolecular Singlet Fission Efficiencies of Perylenediimide Derivatives through Bay Aromatic Substitution.
- 10 Soluble Diphenylhexatriene Dimers for Intramolecular Singlet Fission with High Triplet Energy. **2023**, 145, 2499-2510
- 9 QSPR modeling for the prediction of the triplet yield of singlet fission materials. **2023**, 27, 101614
- 8 Singlet fission preserves polarisation correlation of excitons. **2023**, 25, 6817-6829
- 7 Synthesis, Characterization and Singlet Fission Behaviors of Heteroatom-Doped Polycyclic Aromatic Hydrocarbons with (\square) Connected Furan/Thiophene Ring.
- 6 Photogeneration of Spin Quintet Triplet-Triplet Excitations in DNA-Assembled Pentacene Stacks. **2023**, 145, 5431-5438
- 5 Singlet Fission in Perylene Monoimide Single Crystals and Polycrystalline Films. **2023**, 14, 2573-2579
- 4 Singlet Sensitization of a BODIPY Rotor Triggered by Marriage with Perovskite Nanocrystals.
- 3 Singlet Fission-Based High-Resolution X-Ray Imaging Scintillation Screens.
- 2 Sensitized Singlet Fission in Rigidly Linked Axial and Peripheral Pentacene-Subphthalocyanine Conjugates.
- 1 Intramolecular Singlet Fission in Pentacene Oligomers via an Intermediate State.