Dirk M Guldi

List of Publications by Year in Descending Order

525 papers	27,811 citations	85 h-index	145 g-index
564 ext. papers	30,205 ext. citations	11.3 avg, IF	7.33 L-index

#	Paper	IF	Citations
525	Photoreactions of Sc3N@C80 with Disilirane, Silirane, and Digermirane: A Photochemical Method to Separate Ih and D5h Isomers. *Photochem*, **2022**, 2, 122-137		
524	Intrinsic and Extrinsic Incorporation of Indium and Single-Walled Carbon Nanotubes for Improved ZnO-Based DSSCs. *Advanced Energy Materials*, **2022**, 12, 2103662	21.8	0
523	Unraveling the Charge-Carrier Dynamics from the Femtosecond to the Microsecond Time Scale in Double-Cable Polymer-Based Single-Component Organic Solar Cells. *Advanced Energy Materials*, **2022**, 12, 2103406	21.8	2
522	Red edge effect and chromoselective photocatalysis with amorphous covalent triazine-based frameworks.. *Nature Communications*, **2022**, 13, 2171	17.4	2
521	Dynamic kinetic sensitization of □dicarbonyl compounds - Access to medium-sized rings via a De Mayo-type ring expansion. *Angewandte Chemie - International Edition*, **2021**,	16.4	5
520	Carbon Nanodots for All-in-One Photocatalytic Hydrogen Generation. *Journal of the American Chemical Society*, **2021**, 143, 20122-20132	16.4	6
519	Diastereoselective formation of homochiral flexible perylene bisimide cyclophanes and their hybrids with fullerenes.. *Chemical Science*, **2021**, 12, 15491-15502	9.4	1
518	Optical processes in carbon nanocolloids. *CheM*, **2021**, 7, 606-628	16.2	27
517	The Impact of Aggregation of Quaterthiophenes on the Excited State Dynamics. *Journal of Physical Chemistry Letters*, **2021**, 12, 3424-3430	6.4	5
516	Screening Nanographene-Mediated Inter(Porphyrin) Communication to Optimize Inter(Porphyrin□ullerene) Forces. *Advanced Energy Materials*, **2021**, 11, 2100158	21.8	2
515	Helically and Linearly Fused Rylenediimide-Hexabenzocoronenes. *Chemistry - A European Journal*, **2021**, 27, 6511-6521	4.8	3
514	Exciton Dynamics in J- and H-Aggregates of a Tricarbocyanine Near-Infrared Dye. *Journal of Physical Chemistry C*, **2021**, 125, 9855-9865	3.8	6
513	Strong Electronic Communication in Linearly Elongated Rylenes Featuring Tunable Bridges. *Chemistry - A European Journal*, **2021**, 27, 8325-8336	4.8	1
512	A Family of Superhelicenes: Easily Tunable, Chiral Nanographenes by Merging Helicity with Planar □ Systems. *Angewandte Chemie - International Edition*, **2021**, 60, 18073-18081	16.4	13
511	Kontrolle des intramolekularen F□ster-Resonanzenergietransfers und der Singulettspaltung in einem Subporphyrazin-Pentacen-Konjugat mittels L□sungsmittelpolarit□. *Angewandte Chemie*, **2021**, 133, 1496-1503	3.6	0
510	Controlling Intramolecular F□ster Resonance Energy Transfer and Singlet Fission in a Subporphyrazine-Pentacene Conjugate by Solvent Polarity. *Angewandte Chemie - International Edition*, **2021**, 60, 1474-1481	16.4	1
509	A Small Dye Puzzle: □Conjugation of Perylenes with External Aromatic Compounds via Imidazo-Quinoxaline Bridges. *ChemPhotoChem*, **2021**, 5, 36-42	3.3	3

508	An exciting twenty-year journey exploring porphyrinoid-based photo- and electro-active systems. *Coordination Chemistry Reviews*, **2021**, 428, 213605	23.2	9
507	Photon- and Charge-Management in Advanced Energy Materials: Combining 0D, 1D, and 2D Nanocarbons as well as Bulk Semiconductors with Organic Chromophores. *Advanced Energy Materials*, **2021**, 11, 2002831	21.8	5
506	Unconventional Photocatalysis in Conductive Polymers: Reversible Modulation of PEDOT:PSS Conductivity by Long-Lived Poly(Heptazine Imide) Radicals. *Angewandte Chemie - International Edition*, **2021**, 60, 7436-7443	16.4	9
505	Unkonventionelle Photokatalyse in leitfähigen Polymeren: Reversible Modulation der Leitfähigkeit von PEDOT:PSS durch langlebige Polyheptazinimid-Radikale. *Angewandte Chemie*, **2021**, 133, 7512-7520	3.6	3
504	Pre-Planarized Triphenylamine-Based Linear Mixed-Valence Charge-Transfer Systems. *Angewandte Chemie - International Edition*, **2021**, 60, 6771-6777	16.4	5
503	Controlling Solar Hydrogen Production by Organizing Porphyrins. *ChemSusChem*, **2021**, 14, 961-970	8.3	5
502	Vorplanarisierte Triphenylamin-basierte lineare gemischtvalente Ladungstransfersysteme. *Angewandte Chemie*, **2021**, 133, 6845-6851	3.6	1
501	A Small Dye Puzzle: Conjugation of Perylenes with External Aromatic Compounds via Imidazo-Quinoxaline Bridges. *ChemPhotoChem*, **2021**, 5, 3-3	3.3	
500	The Cascade Reactions of Indigo with Propargyl Substrates for Heterocyclic and Photophysical Diversity. *Chemistry - A European Journal*, **2021**, 27, 3708-3721	4.8	3
499	Unconventional singlet fission materials. *Chemical Society Reviews*, **2021**, 50, 3485-3518	58.5	31
498	Amphiphilic Zinc Porphyrin Single-Walled Carbon Nanotube Hybrids: Efficient Formation and Excited State Charge Transfer Studies. *Small*, **2021**, 17, e2005648	11	5
497	Efficient charge-transfer from diketopyrrolopyrroles to single-walled carbon nanotubes. *Nanoscale*, **2021**, 13, 11544-11551	7.7	2
496	On the photophysics of nanographenes - investigation of functionalized hexa--hexabenzocoronenes as model systems. *Nanoscale*, **2021**, 13, 801-809	7.7	2
495	Bright luminescent lithium and magnesium carbene complexes. *Chemical Science*, **2021**, 12, 7401-7410	9.4	9
494	Non-Covalent Postfunctionalization of Dye Layers on TiO - A Tool for Enhancing Injection in Dye-Sensitized Solar Cells. *Chemistry - A European Journal*, **2021**, 27, 5041-5050	4.8	2
493	A Fluorescence-Detected Coordination-Induced Spin State Switch. *Journal of the American Chemical Society*, **2021**, 143, 3466-3480	16.4	11
492	A Family of Superhelicenes: Easily Tunable, Chiral Nanographenes by Merging Helicity with Planar Systems. *Angewandte Chemie*, **2021**, 133, 18221-18229	3.6	3
491	Chromoselective Synthesis of Sulfonyl Chlorides and Sulfonamides with Potassium Poly(heptazine imide) Photocatalyst. *Angewandte Chemie - International Edition*, **2021**, 60, 20543-20550	16.4	11

490	Chromoselektive Synthese von Sulfonylchloriden und Sulfonamiden mit Kalium-Poly(heptazinimid)-Photokatalysator. *Angewandte Chemie*, **2021**, 133, 20706-20713	3.6	3
489	Expanding the Chemical Space of Tetracyanobuta-1,3-diene (TCBD) through a Cyano-Diels-Alder Reaction: Synthesis, Structure, and Physicochemical Properties of an Anthryl-fused-TCBD Derivative. *Chemistry - A European Journal*, **2021**, 27, 16049-16055	4.8	1
488	Well-separated water-soluble carbon dots via gradient chromatography. *Nanoscale*, **2021**, 13, 13116-13128	7.9	9
487	Merging Carbon Nanostructures with Porphyrins **2021**, 1-46		
486	Titelbild: Singlet Fission in Carbene-Derived Diradicaloids (Angew. Chem. 20/2020). *Angewandte Chemie*, **2020**, 132, 7697-7697	3.6	
485	Singlet Fission in Carbene-Derived Diradicaloids. *Angewandte Chemie*, **2020**, 132, 7980-7988	3.6	2
484	How To Make Nitroaromatic Compounds Glow: Next-Generation Large X-Shaped, Centrosymmetric Diketopyrrolopyrroles. *Angewandte Chemie - International Edition*, **2020**, 59, 16104-16113	16.4	14
483	Potassium Poly(Heptazine Imide): Transition Metal-Free Solid-State Triplet Sensitizer in Cascade Energy Transfer and [3+2]-cycloadditions. *Angewandte Chemie - International Edition*, **2020**, 59, 15061-15068	16.4	46
482	Nanobiosensing with graphene and carbon quantum dots: Recent advances. *Materials Today*, **2020**, 39, 23-46	21.8	30
481	Semiconducting Supramolecular Organic Frameworks Assembled from a Near-Infrared Fluorescent Macrocyclic Probe and Fullerenes. *Journal of the American Chemical Society*, **2020**, 142, 11497-11505	16.4	8
480	Kalium-Polyheptazinimid: Ein übergangsmetallfreier Festkörper-Triplett-Sensibilisator in Kaskadenenergietransfer und [3+2]-Cycloadditionen. *Angewandte Chemie*, **2020**, 132, 15172-15180	3.6	9
479	Der Einfluss von Aggregation auf die Photophysik von spiroverbrückten Heterotriangulenen. *Angewandte Chemie*, **2020**, 132, 16368-16376	3.6	3
478	The Impact of Aggregation on the Photophysics of Spiro-Bridged Heterotriangulenes. *Angewandte Chemie - International Edition*, **2020**, 59, 16233-16240	16.4	5
477	Dynamic Covalent Formation of Concave Disulfide Macrocycles Mechanically Interlocked with Single-Walled Carbon Nanotubes. *Angewandte Chemie - International Edition*, **2020**, 59, 18774-18785	16.4	10
476	Collecting up to 115% of Singlet-Fission Products by Single-Walled Carbon Nanotubes. *ACS Nano*, **2020**, 14, 8875-8886	16.7	4
475	Perylene-Monoimides: Singlet Fission Down-Conversion Competes with Up-Conversion by Geminate Triplet-Triplet Recombination. *Journal of Physical Chemistry A*, **2020**, 124, 5727-5736	2.8	12
474	Supramolecular Fullerene Tetramers Concocted with Porphyrin Boxes Enable Efficient Charge Separation and Delocalization. *Journal of the American Chemical Society*, **2020**, 142, 12596-12601	16.4	16
473	Mechanische Verzahnung von einwandigen Kohlenstoffnanoröhren durch dynamisch-kovalente Bildung von konkaven Disulfidmakrozyklen. *Angewandte Chemie*, **2020**, 132, 18933-18945	3.6	2

472	Panchromatic light funneling through the synergy in hexabenzocoronene-(metallo)porphyrin-fullerene assemblies to realize the separation of charges. *Chemical Science*, **2020**, 11, 7123-7132	9.4	3
471	Synthesis and Optical Features of Axially and Peripherally Substituted Subporphyrins. A Paradigmatic Example of Charge Transfer versus Exciplex States. *Journal of the American Chemical Society*, **2020**, 142, 7920-7929	16.4	13
470	Understanding and Controlling Short- and Long-Range Electron/Charge-Transfer Processes in Electron Donor-Acceptor Conjugates. *Journal of the American Chemical Society*, **2020**, 142, 7898-7911	16.4	23
469	Singlet Fission in Carbene-Derived Diradicaloids. *Angewandte Chemie - International Edition*, **2020**, 59, 7906-7914	16.4	23
468	Molecular insights and concepts to engineer singlet fission energy conversion devices. *Energy and Environmental Science*, **2020**, 13, 2741-2804	35.4	25
467	Photoactive preorganized subphthalocyanine-based molecular tweezers for selective complexation of fullerenes. *Chemical Science*, **2020**, 11, 3448-3459	9.4	4
466	Nanoparticle Surfaces: Mixed Organic Ligand Shells: Controlling the Nanoparticle Surface Morphology toward Tuning the Optoelectronic Properties (Small 2/2020). *Small*, **2020**, 16, 2070009	11	
465	Reversible Charge Transfer with Single-Walled Carbon Nanotubes Upon Harvesting the Low Energy Part of the Solar Spectrum. *Small*, **2020**, 16, e1906745	11	11
464	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. *Angewandte Chemie - International Edition*, **2020**, 59, 12779-12784	16.4	14
463	Singlet Fission in Enantiomerically Pure Pentacene Dimers. *ChemPhotoChem*, **2020**, 4, 5168-5174	3.3	5
462	Cyclopenta[hi]aceanthrylene Decorated with Multiple and Long Alkoxy Chains: Physicochemical Properties and Single-Walled Carbon Nanotubes Exfoliation Capability. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 051011	2	1
461	Modulating the dynamics of Förster resonance energy transfer and singlet fission by variable molecular spacers. *Nanoscale*, **2020**, 12, 23061-23068	7.7	1
460	Singlet Fission in Pyrene-Fused Azaacene Dimers. *Angewandte Chemie*, **2020**, 132, 1129-1133	3.6	3
459	Amphiphilic anthanthrene trimers that exfoliate graphite and individualize single wall carbon nanotubes. *Nanoscale*, **2020**, 12, 956-966	7.7	5
458	Design, synthesis and photoinduced processes in molecular interlocked photosynthetic [60]fullerene systems. *Chemical Society Reviews*, **2020**, 49, 8-20	58.5	22
457	Improved Carrier Collection and Hot Electron Extraction Across Perovskite, C, and TiO Interfaces. *Journal of the American Chemical Society*, **2020**, 142, 1236-1246	16.4	27
456	Mono- and Tripodal Porphyrins: Investigation on the Influence of the Number of Pyrene Anchors in Carbon Nanotube and Graphene Hybrids. *Journal of the American Chemical Society*, **2020**, 142, 1895-1903	16.4	16
455	Homo and Hetero Molecular 3D Nanographenes Employing a Cyclooctatetraene Scaffold. *Journal of the American Chemical Society*, **2020**, 142, 4162-4172	16.4	26

454	Pingpong-Energietransfer in kovalent verknpften Porphyrin-MoS2-Architekturen. *Angewandte Chemie*, **2020**, 132, 4004-4009	3.6	6
453	Ping-Pong Energy Transfer in Covalently Linked Porphyrin-MoS Architectures. *Angewandte Chemie - International Edition*, **2020**, 59, 3976-3981	16.4	16
452	Chain propagation determines the chemo- and regioselectivity of alkyl radical additions to C-O C-C double bonds. *Chemical Science*, **2020**, 11, 731-736	9.4	2
451	Mixed Organic Ligand Shells: Controlling the Nanoparticle Surface Morphology toward Tuning the Optoelectronic Properties. *Small*, **2020**, 16, e1903729	11	5
450	Resonance-Enhanced Charge Delocalization in Carbazole-Oligoyne-Oxadiazole Conjugates. *Journal of the American Chemical Society*, **2020**, 142, 18769-18781	16.4	6
449	Solvent-Dependent Singlet Fission in Diketopyrrolopyrrole Dimers: A Mediating Charge Transfer versus a Trapping Symmetry-Breaking Charge Separation. *Advanced Energy Materials*, **2020**, 10, 2001496	21.8	14
448	Long-Living Holes in Grey Anatase TiO2 Enable Noble-Metal-Free and Sacrificial-Agent-Free Water Splitting. *ChemSusChem*, **2020**, 13, 4937-4944	8.3	8
447	How To Make Nitroaromatic Compounds Glow: Next-Generation Large X-Shaped, Centrosymmetric Diketopyrrolopyrroles. *Angewandte Chemie*, **2020**, 132, 16238-16247	3.6	3
446	Synergie von elektrostatischen und Wechselwirkungen fi die Verwirklichung von kstlichen photosynthetischen Modellsystemen auf Nano-Ebene. *Angewandte Chemie*, **2020**, 132, 18946-18955	3.6	0
445	Synergy of Electrostatic and Interactions in the Realization of Nanoscale Artificial Photosynthetic Model Systems. *Angewandte Chemie - International Edition*, **2020**, 59, 18786-18794	16.4	3
444	Assessing the Photoinduced Electron-Donating Behavior of Carbon Nanodots in Nanoconjugates. *Journal of the American Chemical Society*, **2020**,	16.4	9
443	Area-Selective Growth of HfS2 Thin Films via Atomic Layer Deposition at Low Temperature. *Advanced Materials Interfaces*, **2020**, 7, 2001493	4.6	3
442	Thin Films: Area-Selective Growth of HfS2 Thin Films via Atomic Layer Deposition at Low Temperature (Adv. Mater. Interfaces 23/2020). *Advanced Materials Interfaces*, **2020**, 7, 2070130	4.6	
441	Controlling the Charge Transfer Mechanism and Efficiency by Means of Different C70 Regioisomeric Adducts. *Small Structures*, **2020**, 1, 2000012	8.7	
440	Anticancer Effect of an Electronically Coupled Oligoferrocene. *Organometallics*, **2020**, 39, 3112-3120	3.8	4
439	Synthesis and excited state processes of arrays containing amine-rich carbon dots and unsymmetrical rylene diimides. *Materials Chemistry Frontiers*, **2020**, 4, 3640-3648	7.8	9
438	Designing Cascades of Electron Transfer Processes in Multicomponent Graphene Conjugates. *Angewandte Chemie - International Edition*, **2020**, 59, 23706-23715	16.4	7
437	Optical gap and fundamental gap of oligoynes and carbyne. *Nature Communications*, **2020**, 11, 4797	17.4	13

436	Designing Cascades of Electron Transfer Processes in Multicomponent Graphene Conjugates. *Angewandte Chemie*, **2020**, 132, 23914-23923	3.6	1
435	Phthalocyanine-corannulene conjugates: Synthesis, complexation studies with a pyridyl-functionalized C60 fullerene, and photophysical properties. *Journal of Porphyrins and Phthalocyanines*, **2020**, 24, 410-415	1.8	3
434	Singlet Fission in Pyrene-Fused Azaacene Dimers. *Angewandte Chemie - International Edition*, **2020**, 59, 1113-1117	16.4	15
433	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. *Angewandte Chemie*, **2020**, 132, 12879-12884	3.6	3
432	Panchromatic Light Harvesting and Stabilizing Charge-Separated States in Corrole-Phthalocyanine Conjugates through Coordinating a Subphthalocyanine. *Chemistry - A European Journal*, **2020**, 26, 13451-13461	4.8	3
431	Star-shaped magnesium tetraethynylporphyrin bearing four peripheral electron-accepting diketopyrrolopyrrole functionalities for organic solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 4072-4083	13	17
430	Nanographene favors electronic interactions with an electron acceptor rather than an electron donor in a planar fused push-pull conjugate. *Nanoscale*, **2019**, 11, 1437-1441	7.7	5
429	Investigating Electronic Communications in meso-meso Ethene-Bridged Unsymmetrical Diporphyrins. *Chemistry - A European Journal*, **2019**, 25, 9602-9607	4.8	1
428	Tuning electron transfer in supramolecular nano-architectures made of fullerenes and porphyrins. *Nanoscale*, **2019**, 11, 10782-10790	7.7	10
427	Azulenocyanines immobilized on graphene; on the way to panchromatic absorption and efficient DSSC blocking layers. *Nanoscale*, **2019**, 11, 10709-10715	7.7	16
426	Homoleptic and Heteroleptic Copper Complexes as Redox Couples in Dye-Sensitized Solar Cells. *ChemPhotoChem*, **2019**, 3, 636	3.3	5
425	Innenr□cktitelbild: All-Fullerene Electron Donor□Acceptor Conjugates (Angew. Chem. 21/2019). *Angewandte Chemie*, **2019**, 131, 7217-7217	3.6	1
424	Electronically Tuned Asymmetric meso-Substituted Porphyrins for p-Type Solar Cells. *ChemPlusChem*, **2019**, 84, 766-771	2.8	3
423	Pentacenes: A Molecular Ruler for Singlet Fission. *Trends in Chemistry*, **2019**, 1, 11-21	14.8	23
422	Intermolecular packing and charge transfer in metallofullerene/porphyrin cocrystals. *Chemical Communications*, **2019**, 55, 6018-6021	5.8	6
421	Carbon Nanodots for Charge-Transfer Processes. *Accounts of Chemical Research*, **2019**, 52, 955-963	24.3	53
420	Davydov splitting and singlet fission in excitonically coupled pentacene dimers. *Chemical Science*, **2019**, 10, 3854-3863	9.4	40
419	All-Fullerene Electron Donor-Acceptor Conjugates. *Angewandte Chemie - International Edition*, **2019**, 58, 6932-6937	16.4	19

418	All-Fullerene Electron Donor–Acceptor Conjugates. *Angewandte Chemie*, **2019**, 131, 7006-7011	3.6	8
417	Varying the Interpentacene Electronic Coupling to Tune Singlet Fission. *Journal of the American Chemical Society*, **2019**, 141, 6191-6203	16.4	42
416	Purification and structural elucidation of carbon dots by column chromatography. *Nanoscale*, **2019**, 11, 8464-8474	7.7	51
415	Control over Tuning Fullerene Microcrystals by Means of Engineering Charge-Transfer Interactions. *ACS Applied Materials & Interfaces*, **2019**, 11, 16567-16570	9.5	5
414	Quadrupolar Cyclopenta[hi]aceanthrylene-Based Electron Donor-Acceptor-Donor Conjugates: Charge Transfer versus Charge Separation. *Angewandte Chemie - International Edition*, **2019**, 58, 14644-14652	16.4	11
413	Chromophore Multiplication To Enable Exciton Delocalization and Triplet Diffusion Following Singlet Fission in Tetrameric Pentacene. *Angewandte Chemie - International Edition*, **2019**, 58, 15263-15267	16.4	14
412	Chromophore Multiplication To Enable Exciton Delocalization and Triplet Diffusion Following Singlet Fission in Tetrameric Pentacene. *Angewandte Chemie*, **2019**, 131, 15407-15411	3.6	6
411	A Hole Delocalization Strategy: Photoinduced Mixed-Valence MLCT States Featuring Extended Lifetimes. *Inorganic Chemistry*, **2019**, 58, 10898-10904	5.1	2
410	Discovery of Unforeseen Energy-Transfer-Based Transformations Using a Combined Screening Approach. *CheM*, **2019**, 5, 2183-2194	16.2	43
409	Quadrupolar Cyclopenta[hi]aceanthrylene-Based Electron Donor-Acceptor-Donor Conjugates: Charge Transfer versus Charge Separation. *Angewandte Chemie*, **2019**, 131, 14786-14794	3.6	3
408	Size-Dependent Local Ordering in Melanin Aggregates and Its Implication on Optical Properties. *Journal of Physical Chemistry A*, **2019**, 123, 9403-9412	2.8	2
407	Combining Zinc Phthalocyanines, Oligo(p-Phenylenevinylenes), and Fullerenes to Impact Reorganization Energies and Attenuation Factors. *ChemPhysChem*, **2019**, 20, 2806-2815	3.2	3
406	Efficient Low Driving Force Charge Separation in an Electron Deficient Zn-Porphyrin–Fullerene Donor–Acceptor Conjugate. *Journal of Physical Chemistry C*, **2019**, 123, 28093-28099	3.8	11
405	Light triggers molecular shuttling in rotaxanes: control over proximity and charge recombination. *Chemical Science*, **2019**, 10, 3846-3853	9.4	14
404	Charge transfer in graphene quantum dots coupled with tetrathiafulvalenes. *Chemical Communications*, **2019**, 55, 3223-3226	5.8	12
403	Light-harvesting porphyrazines to enable intramolecular singlet fission. *Nanoscale*, **2019**, 11, 22286-22292	7.7	6
402	Hot electron injection into semiconducting polymers in polymer based-perovskite solar cells and their fate. *Nanoscale*, **2019**, 11, 23357-23365	7.7	2
401	Subphthalocyanine-tetracyanobuta-1,3-diene-aniline conjugates: stereoisomerism and photophysical properties. *Chemical Science*, **2019**, 10, 10997-11005	9.4	17

400	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
399	Steuerung des Grenzfl□chen-Ladungstransfers und des Fill-Factors in CuO-basierten Gr□tzel-Tandemzellen. *Angewandte Chemie*, **2019**, 131, 4097-4102	3.6	8
398	Controlling Interfacial Charge Transfer and Fill Factors in CuO-based Tandem Dye-Sensitized Solar Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 4056-4060	16.4	21
397	Singlet Fission in Combinatorial Diketopyrrolopyrrole□Rylene Supramolecular Films. *Journal of Physical Chemistry C*, **2019**, 123, 1587-1595	3.8	17
396	Intermolecular Singlet Fission in Unsymmetrical Derivatives of Pentacene in Solution. *Advanced Energy Materials*, **2019**, 9, 1802221	21.8	13
395	Complexation and Versatile Reactivity of a Highly Lewis Acidic Cationic Mg Complex with Alkynes and Phosphines. *Chemistry - A European Journal*, **2019**, 25, 2025-2034	4.8	33
394	Multifunctional and Tunable Surfaces Based on Pyrene Functionalized Nanoparticles. *Advanced Materials Interfaces*, **2019**, 6, 1801930	4.6	11
393	Assembling Mesoscale-Structured Organic Interfaces in Perovskite Photovoltaics. *Advanced Materials*, **2019**, 31, e1806516	24	11
392	Coexistence of MLCT Excited States of Different Symmetry upon Photoexcitation of a Single Molecular Species. *Journal of Physical Chemistry C*, **2019**, 123, 3285-3291	3.8	5
391	Hierarchical organization of perylene bisimides and polyoxometalates for photo-assisted water oxidation. *Nature Chemistry*, **2019**, 11, 146-153	17.6	77
390	Oxa[7]superhelicene: A □Extended Helical Chromophore Based on Hexa-peri-hexabenzocoronenes. *Angewandte Chemie - International Edition*, **2018**, 57, 5938-5942	16.4	67
389	Oxa[7]superhelicen: ein □erweiterter, helikaler Chromophor auf Hexa-peri-hexabenzocoronen-Basis. *Angewandte Chemie*, **2018**, 130, 6044-6049	3.6	25
388	Electronic Energy Transduction from {Ru(py)} Chromophores to Cr(III) Luminophores. *Inorganic Chemistry*, **2018**, 57, 3042-3053	5.1	11
387	Synergy of Catechol-Functionalized Zinc Oxide Nanorods and Porphyrins in Layer-by-Layer Assemblies. *Chemistry - A European Journal*, **2018**, 24, 7896-7905	4.8	6
386	Ground State versus Excited State: Discrepancy in Electronic Communication in a Series of meso-meso Two-Atom-Bridged Diporphyrins. *Chemistry - A European Journal*, **2018**, 24, 3058-3067	4.8	7
385	Improving charge injection and charge transport in CuO-based p-type DSSCs □ a quick and simple precipitation method for small CuO nanoparticles. *Journal of Materials Chemistry C*, **2018**, 6, 5176-5180	7.1	15
384	Excitons and Trions in One-Photon- and Two-Photon-Excited MoS : A Study in Dispersions. *Advanced Materials*, **2018**, 30, e1706702	24	30
383	Hybrid Dye-Titania Nanoparticles for Superior Low-Temperature Dye-Sensitized Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1702583	21.8	16

382	Screening Supramolecular Interactions between Carbon Nanodots and Porphyrins. *Journal of the American Chemical Society*, **2018**, 140, 904-907	16.4	44
381	A water-soluble, bay-functionalized perylenediimide derivative - correlating aggregation and excited state dynamics. *Nanoscale*, **2018**, 10, 2317-2326	7.7	8
380	Pentacene Dimers as a Critical Tool for the Investigation of Intramolecular Singlet Fission. *Chemistry - A European Journal*, **2018**, 24, 8245-8257	4.8	85
379	Tuning pentacene based dye-sensitized solar cells. *Nanoscale*, **2018**, 10, 8515-8525	7.7	9
378	Tuning the Carbon Nanotube Selectivity: Optimizing Reduction Potentials and Distortion Angles in Perylenediimides. *Journal of the American Chemical Society*, **2018**, 140, 5427-5433	16.4	12
377	Porphyrins as Multifunctional Interconnects in Networks of ZnO Nanoparticles and their Application in Dye-Sensitized Solar Cells. *ChemPhotoChem*, **2018**, 2, 213-222	3.3	6
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15	Carbon Nanotubes as Containers349-384		2
14	Noncovalent Functionalization of Carbon Nanotubes103-134		13
13	Ground and Excited State Charge Transfer and its Implications233-289		1
12	Carbon Nanotubes and Related Structures: Production and Formation1-21		7
11	Carbon Nanohorn385-404		4
10	Photophysics77-101		1
9	Carbon Nanostructures: Calculations of their Energetics, Thermodynamics, and Stability491-523		1
8	Carbon-Based Nanomaterial Applications in Biomedicine199-232		3
7	Covalent Functionalization of Carbon Nanotubes135-198		12
6	Carbon Nanotubes for Catalytic Applications321-347		4
5	Self-Organization of Nanographenes405-453		1

4	Endohedrals455-490		8
3	Photovoltaic Devices based on Carbon Nanotubes and Related Structures291-303		4
2	Elucidating the electronic properties of single-wall carbon nanohorns. *Journal of Materials Chemistry C*,	7.1	0
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