

Frank Wrthner

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.

632
papers

45,202
citations

112
h-index

186
g-index

677
ext. papers

49,969
ext. citations

9.2
avg, IF

8.17
L-index

#	Paper	IF	Citations
632	Pure Boric Acid Does Not Show Room Temperature Phosphorescence (RTP).. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
631	Multilayer stacks of polycyclic aromatic hydrocarbons.. <i>Nature Chemistry</i> , 2022 ,	17.6	10
630	Folding-induced Fluorescence Enhancement in a Series of Merocyanine Hetero-Folda-Trimers. <i>Angewandte Chemie</i> , 2022 , 134, e202114667	3.6	
629	Boron-Locked Starazine - A Soluble and Fluorescent Analogue of Starphene.. <i>Chemistry - A European Journal</i> , 2022 , e202200770	4.8	1
628	12b,24b-Diborahexabenz[o[a,c,fg,l,n,qr]pentacene: A Low-LUMO Boron-Doped Polycyclic Aromatic Hydrocarbon.. <i>Angewandte Chemie - International Edition</i> , 2021 , e202115746	16.4	6
627	Folding-induced Fluorescence Enhancement in a Series of Merocyanine Hetero-Folda-Trimers. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202114667	16.4	0
626	Slip-Stacked J-Aggregate Materials for Organic Solar Cells and Photodetectors. <i>Advanced Materials</i> , 2021 , e2104678	24	16
625	Controlling Topography and Crystallinity of Melt Electrowritten Poly(ϵ -Caprolactone) Fibers. <i>3D Printing and Additive Manufacturing</i> , 2021 , 8, 315-321	4	1
624	Perspectives in Dye Chemistry: A Rational Approach toward Functional Materials by Understanding the Aggregate State. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4500-4518	16.4	46
623	Switching resonance character within merocyanine stacks and its impact on excited-state dynamics. <i>Chem</i> , 2021 , 7, 715-725	16.2	7
622	Unusual Zig-Zag Effect in the Electrochemical Oxidation of Phenyl End-Capped β Oligothiophenes. <i>Organic Materials</i> , 2021 , 03, 119-127	1.9	0
621	Innenrücktitelbild: Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets (Angew. Chem. 21/2021). <i>Angewandte Chemie</i> , 2021 , 133, 12251-12251	3.6	
620	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11949-11958	16.4	19
619	Structure-Activity Relationship for Di- up to Tetranuclear Macrocyclic Ruthenium Catalysts in Homogeneous Water Oxidation. <i>Chemistry - A European Journal</i> , 2021 , 27, 16938-16946	4.8	3
618	Solvent Effects in Supramolecular Chemistry: Linear Free Energy Relationships for Common Intermolecular Interactions. <i>Journal of Organic Chemistry</i> , 2021 ,	4.2	11
617	An Efficient Narrowband Near-Infrared at 1040 nm Organic Photodetector Realized by Intermolecular Charge Transfer Mediated Coupling Based on a Squaraine Dye. <i>Advanced Materials</i> , 2021 , 33, e2100582	24	24
616	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie</i> , 2021 , 133, 12056-12065	3.6	5

615	Coherent two-dimensional electronic spectroelectrochemistry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 253, 119567	4.4	1
614	Semitransparent Layers of Social Self-Sorting Merocyanine Dyes for Ultranarrow Bandwidth Organic Photodiodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100213	8.1	4
613	Charge-Delocalized State and Coherent Vibrational Dynamics in Rigid PBI H-Aggregates. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9825-9833	16.4	5
612	Deracemization of Carbohelicenes by a Chiral Perylene Bisimide Cyclophane Template Catalyst. <i>Angewandte Chemie</i> , 2021 , 133, 15451-15455	3.6	2
611	Deracemization of Carbohelicenes by a Chiral Perylene Bisimide Cyclophane Template Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15323-15327	16.4	7
610	Surface-Promoted Evolution of Ru-bda Coordination Oligomers Boosts the Efficiency of Water Oxidation Molecular Anodes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11651-11661	16.4	7
609	Double J-Coupling Strategy for Near Infrared Emitters. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11946-11950	16.4	9
608	Merocyanine Dyes with Extended Polymethine Chains by Simple Two-Step Condensation Sequence. <i>Synthesis</i> , 2021 , 53, 318-325	2.9	0
607	A Calix[4]arene-Based Cyclic Dinuclear Ruthenium Complex for Light-Driven Catalytic Water Oxidation. <i>Chemistry - A European Journal</i> , 2021 , 27, 444-450	4.8	10
606	Supramolecularly Engineered J-Aggregates Based on Perylene Bisimide Dyes. <i>Accounts of Chemical Research</i> , 2021 , 54, 642-653	24.3	49
605	Effects of Photosensitizers and Reaction Media on Light-Driven Water Oxidation with Trinuclear Ruthenium Macrocycles. <i>ChemPhotoChem</i> , 2021 , 5, 173-183	3.3	3
604	Two-step anti-cooperative self-assembly process into defined stacked dye oligomers: insights into aggregation-induced enhanced emission. <i>Chemical Science</i> , 2021 , 12, 12302-12314	9.4	4
603	Reversible fluorescence modulation through the photoisomerization of an azobenzene-bridged perylene bisimide cyclophane. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1424-1430	5.2	4
602	Nitronyl Nitroxide Bifunctionalized Electron-Poor Chromophores: Synthesis of Stable Dye Biradicals by Lewis Acid Promoted Desilylation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 2447-2457	4.2	
601	Chiral Perylene Bisimide Dyes by Interlocked Arene Substituents in the Bay Area. <i>Chemistry - A European Journal</i> , 2021 , 27, 11997-12006	4.8	2
600	Site-specific chemical doping reveals electron atmospheres at the surfaces of organic semiconductor crystals. <i>Nature Materials</i> , 2021 , 20, 1532-1538	27	7
599	Understanding the structural and charge transport property relationships for a variety of merocyanine single-crystals: a bottom up computational investigation. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10851-10864	7.1	1
598	Folding and fluorescence enhancement with strong odd-even effect for a series of merocyanine dye oligomers. <i>Chemical Science</i> , 2021 , 12, 8342-8352	9.4	3

597	¶Helicene Diimides (= 5, 6, and 7): Through-Bond versus Through-Space Conjugation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21298-21303	16.4	23
596	Trapped Exciton and Large Birefringence in Cl ₂ N ₂ DI Revealed by Optical Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 17829-17835	3.8	2
595	Base-Assisted Imidization: A Synthetic Method for the Introduction of Bulky Imide Substituents to Control Packing and Optical Properties of Naphthalene and Perylene Imides. <i>Angewandte Chemie</i> , 2020 , 132, 13503-13507	3.6	1
594	Base-Assisted Imidization: A Synthetic Method for the Introduction of Bulky Imide Substituents to Control Packing and Optical Properties of Naphthalene and Perylene Imides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13401-13405	16.4	9
593	Modulation of the Self-Assembly of ¶Amphiphiles in Water from Enthalpy- to Entropy-Driven by Enwrapping Substituents. <i>Chemistry - A European Journal</i> , 2020 , 26, 8426-8434	4.8	11
592	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie</i> , 2020 , 132, 17285-17292	3.6	6
591	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17137-17144	16.4	34
590	Innentitelbild: Tracking Structural Evolution during Symmetry-Breaking Charge Separation in Quadrupolar Perylene Bisimide with Time-Resolved Impulsive Stimulated Raman Spectroscopy (Angew. Chem. 22/2020). <i>Angewandte Chemie</i> , 2020 , 132, 8382-8382	3.6	1
589	Self-Sorting Supramolecular Polymerization: Helical and Lamellar Aggregates of Tetra-Bay-Acyloxy Perylene Bisimide. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17084-17090	16.4	20
588	Self-Sorting Supramolecular Polymerization: Helical and Lamellar Aggregates of Tetra-Bay-Acyloxy Perylene Bisimide. <i>Angewandte Chemie</i> , 2020 , 132, 17232-17238	3.6	8
587	Consecutive Charging of a Perylene Bisimide Dye by Multistep Low-Energy Solar-Light-Induced Electron Transfer Towards H Evolution. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10363-10367	16.4	25
586	Tracking Structural Evolution during Symmetry-Breaking Charge Separation in Quadrupolar Perylene Bisimide with Time-Resolved Impulsive Stimulated Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8571-8578	16.4	15
585	1-Mono- and 1,7-Disubstituted Perylene Bisimide Dyes with Voluminous Groups at Bay Positions: In Search for Highly Effective Solid-State Fluorescence Materials. <i>Chemistry of Materials</i> , 2020 , 32, 6222-6236	9.6	18
584	Crystal Engineering of 1D Exciton Systems Composed of Single- and Double-Stranded Perylene Bisimide J-Aggregates. <i>Advanced Optical Materials</i> , 2020 , 8, 2000926	8.1	4
583	Perylene Bisimide Cyclophanes: StructureProperty Relationships upon Variation of the Cavity Size. <i>Organic Materials</i> , 2020 , 02, 149-158	1.9	6
582	Efficient Electronic Coupling in Perylenediimide Multilayered Films on Indium Tin Oxide. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5541-5551	3.8	4
581	On the photophysical properties of Ir, Pt, and Pd (phenylpyrazole) (phenyldipyrrin) complexes. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3217-3233	3.6	9
580	Stepwise Folding and Self-Assembly of a Merocyanine Folda-Pentamer. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3321-3325	16.4	10

579	Ein Periodensystem der supramolekularen Elemente. <i>Angewandte Chemie</i> , 2020 , 132, 8846-8856	3.6	7
578	Impact of substituents on molecular properties and catalytic activities of trinuclear Ru macrocycles in water oxidation. <i>Chemical Science</i> , 2020 , 11, 7654-7664	9.4	9
577	Tracking Structural Evolution during Symmetry-Breaking Charge Separation in Quadrupolar Perylene Bisimide with Time-Resolved Impulsive Stimulated Raman Spectroscopy. <i>Angewandte Chemie</i> , 2020 , 132, 8649-8656	3.6	2
576	Efficient Multiexciton State Generation in Charge-Transfer-Coupled Perylene Bisimide Dimers via Structural Control. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7845-7857	16.4	51
575	Consecutive Charging of a Perylene Bisimide Dye by Multistep Low-Energy Solar-Light-Induced Electron Transfer Towards H ₂ Evolution. <i>Angewandte Chemie</i> , 2020 , 132, 10449-10453	3.6	10
574	Palladium-Catalyzed [3+2] Annulation of Naphthalimide Acceptors and Thiophene Donors. <i>Journal of Organic Chemistry</i> , 2020 , 85, 142-149	4.2	3
573	Supramolecular polymerization through kinetic pathway control and living chain growth. <i>Nature Reviews Chemistry</i> , 2020 , 4, 38-53	34.6	169
572	Self-Assembly of Bowl-Shaped Naphthalimide-Annulated Corannulene. <i>ChemistryOpen</i> , 2020 , 9, 32-39	2.3	5
571	Anion-Coordination-Assisted Assembly of Supramolecular Charge-Transfer Complexes Based on Tris(urea) Ligands. <i>Chemistry - A European Journal</i> , 2020 , 26, 1414-1421	4.8	4
570	Unfolding multi-stranded perylene bisimide LC columns - a mesogen design for efficient nanoscale multilayer self-assembly. <i>Chemical Communications</i> , 2020 , 56, 14015-14018	5.8	1
569	Efficient Electrochemical Water Oxidation by a Trinuclear Ru(bda) Macrocycle Immobilized on Multi-Walled Carbon Nanotube Electrodes. <i>Advanced Energy Materials</i> , 2020 , 10, 2002329	21.8	8
568	NIR-emitting squaraine J-aggregate nanosheets. <i>Chemical Communications</i> , 2020 , 56, 9878-9881	5.8	16
567	Exciton Migration in Multistranded Perylene Bisimide J-Aggregates. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6612-6617	6.4	6
566	Increased Electron Transport and Hole Blocking in an Aqueous Solution Processed Dye-Doped ZnO Cathode Interlayer for High Performance Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1694-1701 ¹⁹	6.1	19
565	Aggregation-Induced Emission (AIE): A Historical Perspective. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14192-14196	16.4	149
564	Self-assembled Möbius strips with controlled helicity. <i>Nature Communications</i> , 2020 , 11, 5910	17.4	15
563	Aggregations-induzierte Emission (AIE): Eine historische Betrachtung. <i>Angewandte Chemie</i> , 2020 , 132, 14296-14301	3.6	18
562	Quinoidal dicyanomethylene-endcapped cyclopentadithiophenes as vacuum-processable n-type semiconductors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15303-15311	7.1	4

561	Hydrogen bond-rigidified planar squaraine dye and its electronic and organic semiconductor properties. <i>Chemical Communications</i> , 2020 , 56, 9890-9893	5.8	3
560	Control of self-assembly pathways toward conglomerate and racemic supramolecular polymers. <i>Nature Communications</i> , 2020 , 11, 5460	17.4	16
559	Chiroptical Properties of Indolenine Squaraines with a Stereogenic Center at Close Proximity. <i>Journal of Organic Chemistry</i> , 2020 , 85, 12227-12242	4.2	0
558	Synthesis of polycyclic aromatic hydrocarbons by palladium-catalysed [3 + 3] annulation. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 2925-2930	5.2	4
557	Bowl-Shaped Naphthalimide-Annulated Corannulene as Nonfullerene Acceptor in Organic Solar Cells. <i>Organic Materials</i> , 2020 , 02, 229-234	1.9	4
556	Conformation and Aromaticity Switching in a Curved Non-Alternant sp ² Carbon Scaffold. <i>Angewandte Chemie</i> , 2020 , 132, 21689-21693	3.6	12
555	Naphthalene diimide-amino acid conjugates as novel fluorimetric and CD probes for differentiation between ds-DNA and ds-RNA. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 2032-2045	2.5	1
554	Nanoscale Columnar Bundles Based on Multistranded Core-Shell Liquid Crystals of Perylene Bisimide J-Aggregate Donor-Acceptor Dyads for Photoconductivity Devices with Enhanced Performance Through Macroscopic Alignment. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10234-10245	5.6	6
553	Conformation and Aromaticity Switching in a Curved Non-Alternant sp Carbon Scaffold. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21505-21509	16.4	25
552	Tuning phenoxy-substituted diketopyrrolopyrroles from quinoidal to biradical ground states through (hetero-)aromatic linkers. <i>Chemical Science</i> , 2020 , 12, 793-802	9.4	8
551	NIR-Absorbing π -Extended Azulene: Non-Alternant Isomer of Terrylene Bisimide. <i>Angewandte Chemie</i> , 2020 , 132, 16042-16046	3.6	4
550	A Periodic System of Supramolecular Elements. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8766-8775	16.4	39
549	NIR-Absorbing π -Extended Azulene: Non-Alternant Isomer of Terrylene Bisimide. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15908-15912	16.4	18
548	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie</i> , 2019 , 131, 13519-13523	3.6	4
547	Enhanced Electron Transportation by Dye Doping in Very Low-Temperature (. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 34151-34157	9.5	14
546	Switch of dimensionality of exciton diffusion in aggregates. <i>EPJ Web of Conferences</i> , 2019 , 205, 06015	0.3	
545	Anisotropic microfibrils of a liquid-crystalline diketopyrrolopyrrole by self-assembly-assisted electrospinning. <i>Nanoscale Horizons</i> , 2019 , 4, 169-174	10.8	8
544	Tunable Low-LUMO Boron-Doped Polycyclic Aromatic Hydrocarbons by General One-Pot C-H Borylations. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9096-9104	16.4	54

543	Organic Electronics: Ultranarrow Bandwidth Organic Photodiodes by Exchange Narrowing in Merocyanine H- and J-Aggregate Excitonic Systems (Adv. Funct. Mater. 21/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970144	15.6	0
542	Photoconductive Core-Shell Liquid-Crystals of a Perylene Bisimide J-Aggregate Donor-Acceptor Dyad. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12979-12983	16.4	23
541	Defined Merocyanine Dye Stacks from a Dimer up to an Octamer by Spacer-Encoded Self-Assembly Approach. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7428-7438	16.4	28
540	Spectral and Structural Variations of Biomimetic Light-Harvesting Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2715-2724	6.4	16
539	Solvent-Modulated Charge-Transfer Resonance Enhancement in the Excimer State of a Bay-Substituted Perylene Bisimide Cyclophane. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1919-1927	6.4	25
538	Supramolecular Polymorphism in One-Dimensional Self-Assembly by Kinetic Pathway Control. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6092-6107	16.4	102
537	Guest-mediated chirality transfer in the host-guest complexes of an atropisomeric perylene bisimide cyclophane host. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 892-899	5.2	18
536	Progress in the synthesis of perylene bisimide dyes. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1272-1318	5.2	131
535	Linking two worlds in polymer chemistry: The influence of block uniformity and dispersity in amphiphilic block copolypeptoids on their self-assembly. <i>Biopolymers</i> , 2019 , 110, e23259	2.2	10
534	Tetrahydroxy-Perylene Bisimide Embedded in a Zinc Oxide Thin Film as an Electron-Transporting Layer for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie</i> , 2019 , 131, 13185-13189	3.6	15
533	Synthesis of a Carbon Nanocone by Cascade Annulation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13008-13012	16.4	51
532	Thermodynamic insights into the entropically driven self-assembly of amphiphilic dyes in water. <i>Chemical Science</i> , 2019 , 10, 9358-9366	9.4	35
531	Photoinduced Energy- and Electron-Transfer Processes in a Side-to-Face Ru -Porphyrin/Perylene-bisimide Array. <i>ChemPhysChem</i> , 2019 , 20, 2195-2203	3.2	4
530	Photoconductive Core-Shell Liquid-Crystals of a Perylene Bisimide J-Aggregate Donor-Acceptor Dyad. <i>Angewandte Chemie</i> , 2019 , 131, 13113-13117	3.6	5
529	Supramolecular Block Copolymers by Seeded Living Polymerization of Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12044-12054	16.4	65
528	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13385-13389	16.4	20
527	Essential States Model for Merocyanine Dye Stacks: Bridging Electronic and Optical Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18654-18664	3.8	9
526	Tetrahydroxy-Perylene Bisimide Embedded in a Zinc Oxide Thin Film as an Electron-Transporting Layer for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13051-13055	16.4	35

525	Resonance Raman study of the J-type aggregation process of a water soluble perylene bisimide. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 18300-18309	3.6	0
524	Bis(merocyanine) Hetero-Folda-Dimers: Evaluation of Exciton Coupling between Different Types of π -Stacked Chromophores. <i>Chemistry - A European Journal</i> , 2019 , 25, 11294-11301	4.8	6
523	Bis(merocyanine) Homo-Folda-Dimers: Evaluation of Electronic and Spectral Changes in Well-Defined Dye Aggregate Geometries. <i>Chemistry - A European Journal</i> , 2019 , 25, 11285-11293	4.8	5
522	fs-ps Exciton dynamics in a stretched tetraphenylsquaraine polymer. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15346-15355	3.6	6
521	Ealamines A-H, a Series of Naphthylisoquinolines with the Rare 7,8'-Coupling Site, from the Congolese Liana, Targeting Pancreatic Cancer Cells. <i>Journal of Natural Products</i> , 2019 , 82, 3150-3164	4.9	8
520	A Highly Warped Heptagon-Containing sp ² Carbon Scaffold via Vinylnaphthyl π -Extension. <i>Angewandte Chemie</i> , 2019 , 131, 16656-16659	3.6	14
519	A Highly Warped Heptagon-Containing sp Carbon Scaffold via Vinylnaphthyl π -Extension. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16504-16507	16.4	24
518	Impact of Molecular Shape on Supramolecular Copolymer Synthesis in Seeded Living Polymerization of Perylene Bisimides. <i>CCS Chemistry</i> , 2019 , 1, 598-613	7.2	16
517	Dreifach koordiniertes Bor als Superdonor und -akzeptor für quadrupolare Nahinfrarot-Chromophore. <i>Angewandte Chemie</i> , 2019 , 131, 6516-6521	3.6	14
516	Near-Infrared Quadrupolar Chromophores Combining Three-Coordinate Boron-Based Superdonor and Superacceptor Units. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6449-6454	16.4	30
515	Supramolecular polymerization and cyclization of dioxynaphthalene motif bridged bifunctional UPys: minor variations in the molecular skeleton and drastic differences in self-assembly. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2738-2745	7.8	16
514	Ultrafast coherent exciton dynamics in size-controlled perylene bisimide aggregates. <i>Structural Dynamics</i> , 2019 , 6, 064501	3.2	9
513	1,1'-Bi(2-naphthol-4,5-dicarboximide)s: blue emissive axially chiral scaffolds with aggregation-enhanced emission properties. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3731-3740	5.2	2
512	The origin of the solvent dependence of fluorescence quantum yields in dipolar merocyanine dyes. <i>Chemical Science</i> , 2019 , 10, 11013-11022	9.4	34
511	A Water-Soluble Perylene Bisimide Cyclophane as a Molecular Probe for the Recognition of Aromatic Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3516-3520	16.4	26
510	A Water-Soluble Perylene Bisimide Cyclophane as a Molecular Probe for the Recognition of Aromatic Alkaloids. <i>Angewandte Chemie</i> , 2019 , 131, 3554-3558	3.6	4
509	A Self-Assembled Unit Comprising 12 Squaraine Dyes Built Up from Two Star-Shaped Hexasquarainyl-Benzene Molecules. <i>Chemistry - A European Journal</i> , 2019 , 25, 2831-2839	4.8	5
508	Ultranarrow Bandwidth Organic Photodiodes by Exchange Narrowing in Merocyanine H- and J-Aggregate Excitonic Systems. <i>Advanced Functional Materials</i> , 2019 , 29, 1805058	15.6	32

507	A General Synthetic Route to Polycyclic Aromatic Dicarboximides by Palladium-Catalyzed Annulation Reaction. <i>Journal of Organic Chemistry</i> , 2018 , 83, 5339-5346	4.2	18
506	Fluorescence quantum yields of dye aggregates: a showcase example based on self-assembled perylene bisimide dimers. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 7612-7620	3.6	19
505	Ultrafast Exciton Delocalization, Localization, and Excimer Formation Dynamics in a Highly Defined Perylene Bisimide Quadruple π -Stack. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4253-4258	16.4	75
504	Tetrachlorinated Polycyclic Aromatic Dicarboximides: New Electron-Poor π -Scaffolds and NIR Emitters by Palladium-Catalyzed Annulation Reaction. <i>Chemistry - A European Journal</i> , 2018 , 24, 9409-9416	4.8	7
503	Optical Sensing of Aromatic Amino Acids and Dipeptides by a Crown-Ether-Functionalized Perylene Bisimide Fluorophore. <i>Chemistry - A European Journal</i> , 2018 , 24, 8009-8016	4.8	14
502	Pathway complexity in the self-assembly of a zinc chlorin model system of natural bacteriochlorophyll J-aggregates. <i>Chemical Science</i> , 2018 , 9, 2768-2773	9.4	65
501	Perfluoroalkyltricyanoborate and Perfluoroalkylcyanofluoroborate Anions: Building Blocks for Low-Viscosity Ionic Liquids. <i>Chemistry - A European Journal</i> , 2018 , 24, 508-508	4.8	
500	Stable Organic (Bi)Radicals by Delocalization of Spin Density into the Electron-Poor Chromophore Core of Isoindigo. <i>Chemistry - A European Journal</i> , 2018 , 24, 3420-3424	4.8	13
499	Renntmige Selbstorganisation kovalenter organischer Netzwerke. <i>Angewandte Chemie</i> , 2018 , 130, 856-860	3.6	24
498	Microtubular Self-Assembly of Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 846-850	16.4	114
497	Tunable Light-Matter Hybridization in Open Organic Microcavities. <i>ACS Photonics</i> , 2018 , 5, 90-94	6.3	15
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48	Control of Liquid Crystallinity of Diazadibenzoperylene Dyes by Covalent and Hydrogen-Bonded Attachment of Mesogens We thank P. Zell for his assistance in the practical work, Frau G. Döfner and Prof. U. Thewalt (Sektion Röntgenbeugung, Universität Ulm) and Dr. B. Heise (Abteilung Experimentelle Physik, Universität Ulm) for X-ray diffraction studies. Financial support from the	16.4	57
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