Zhi-Jian Chen

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.

54 papers	5,427 citations	30 h-index	62 g-index
62 ext. papers	5,821 ext. citations	7.6 avg, IF	5.39 L-index

#	Paper	IF	Citations
54	NIR absorbing dimeric aza-BODIPY dye with J-type aggregation and photothermal properties. *Tetrahedron Letters*, **2021**, 76, 153216	2	1
53	J-aggregation induced emission enhancement of BODIPY dyes via H-bonding directed supramolecular polymerization: the importance of substituents at boron. *Organic Chemistry Frontiers*, **2021**, 8, 4078-4085	5.2	6
52	Structural and Nanotribological Properties of a BODIPY Self-Assembly. *Frontiers in Chemistry*, **2021**, 9, 704915	5	
51	An amphiphilic B,O-chelated aza-BODIPY dye: synthesis, pH-sensitivity, and aggregation behaviour in a HO/DMSO mixed solvent. *Organic and Biomolecular Chemistry*, **2021**, 19, 6108-6114	3.9	2
50	Perylene diimide derivative via ionic self-assembly: helical supramolecular structure and selective detection of ATP. *Journal of Materials Chemistry C*, **2020**, 8, 10422-10430	7.1	4
49	Near-Infrared Laser-Triggered Dimorphic Transformation of BF-Azadipyrromethene Nanoaggregates for Enhanced Solid Tumor Penetration. *ACS Nano*, **2020**, 14, 3640-3650	16.7	32
48	Living Supramolecular Polymerization of an Aza-BODIPY Dye Controlled by a Hydrogen-Bond-Accepting Triazole Unit Introduced by Click Chemistry. *Angewandte Chemie*, **2020**, 132, 5223-5230	3.6	10
47	Living Supramolecular Polymerization of an Aza-BODIPY Dye Controlled by a Hydrogen-Bond-Accepting Triazole Unit Introduced by Click Chemistry. *Angewandte Chemie - International Edition*, **2020**, 59, 5185-5192	16.4	32
46	Blue emissive dimethylmethylene-bridged triphenylamine derivatives appending cross-linkable groups. *Organic and Biomolecular Chemistry*, **2020**, 18, 3754-3760	3.9	0
45	Near-infrared fluorescent amphiphilic Aza-BODIPY dye: Synthesis, solvatochromic properties, and selective detection of Cu2+. *Dyes and Pigments*, **2020**, 183, 108714	4.6	6
44	Alignment of supramolecular J-aggregates based on uracil-functionalized BODIPY dye for polarized photoluminescence. *Chemical Communications*, **2020**, 56, 12069-12072	5.8	15
43	Analysis of rheological behaviors of two-dimensional emulsion globules with asymmetric internal structures in modest extensional flows. *Physics of Fluids*, **2019**, 31, 042003	4.4	2
42	Synthesis and aggregation properties of boron-dipyrromethene dyes conjugated with guanine units. *Journal of Porphyrins and Phthalocyanines*, **2018**, 22, 944-952	1.8	3
41	Coupled Cooperative Supramolecular Polymerization: A New Model Applied to the Competing Aggregation Pathways of an Amphiphilic aza-BODIPY Dye into Spherical and Rod-Like Aggregates. *Chemistry - A European Journal*, **2018**, 24, 16388-16394	4.8	18
40	Performance enhancement of perovskite solar cells by employing TiO nanorod arrays decorated with CuInS quantum dots. *Journal of Colloid and Interface Science*, **2018**, 513, 693-699	9.3	23
39	Tetrathienyl-functionalized red- and NIR-absorbing BODIPY dyes appending various peripheral substituents. *Organic and Biomolecular Chemistry*, **2017**, 15, 1393-1399	3.9	11
38	Titelbild: Near-IR Absorbing J-Aggregate of an Amphiphilic BF2-Azadipyrromethene Dye by Kinetic Cooperative Self-Assembly (Angew. Chem. 21/2017). *Angewandte Chemie*, **2017**, 129, 5725-5725	3.6	

37	Bioinspired Adaptive Microplate Arrays for Magnetically Tuned Optics. *Advanced Optical Materials*, **2017**, 5, 1601043	8.1	11
36	Near-IR Absorbing J-Aggregate of an Amphiphilic BF -Azadipyrromethene Dye by Kinetic Cooperative Self-Assembly. *Angewandte Chemie - International Edition*, **2017**, 56, 5729-5733	16.4	119
35	Near-IR Absorbing J-Aggregate of an Amphiphilic BF2-Azadipyrromethene Dye by Kinetic Cooperative Self-Assembly. *Angewandte Chemie*, **2017**, 129, 5823-5827	3.6	31
34	Tetraphenylethylene- and fluorene-functionalized near-infrared aza-BODIPY dyes for living cell imaging. *RSC Advances*, **2017**, 7, 55839-55845	3.7	5
33	Tracing Single Electrons in a Disordered Polymer Film at Room Temperature. *Journal of Physical Chemistry Letters*, **2016**, 7, 1478-83	6.4	10
32	Co-self-assembled nanoaggregates of BODIPY amphiphiles for dual colour imaging of live cells. *Chemical Communications*, **2015**, 51, 12447-50	5.8	43
31	Green fabrication of antibacterial polymer/silver nanoparticle nanohybrids by dual-spinneret electrospinning. *RSC Advances*, **2015**, 5, 40141-40147	3.7	23
30	Aqueous self-assembly of a charged BODIPY amphiphile via nucleation-growth mechanism. *Physical Chemistry Chemical Physics*, **2015**, 17, 9167-72	3.6	33
29	Water-soluble BODIPY and aza-BODIPY dyes: synthetic progress and applications. *Frontiers of Chemical Science and Engineering*, **2014**, 8, 405-417	4.5	79
28	Solubility Measurements and Prediction of Coenzyme Q10 Solubility in Different Solvent Systems. *Journal of Solution Chemistry*, **2013**, 42, 764-771	1.8	4
27	Exciton delocalization and dynamics in helical □stacks of self-assembled perylene bisimides. *Chemical Science*, **2013**, 4, 388-397	9.4	138
26	Solvent and substituent effects on aggregation constants of perylene bisimide □stacks--a linear free energy relationship analysis. *Organic and Biomolecular Chemistry*, **2012**, 10, 5845-55	3.9	140
25	Polymorphism and crystal transformation of penicillin sulfoxide. *Frontiers of Chemical Science and Engineering*, **2011**, 5, 442-447	4.5	1
24	Self-assembled pi-stacks of functional dyes in solution: structural and thermodynamic features. *Chemical Society Reviews*, **2009**, 38, 564-84	58.5	804
23	Photoluminescence and conductivity of self-assembled pi-pi stacks of perylene bisimide dyes. *Chemistry - A European Journal*, **2007**, 13, 436-49	4.8	517
22	Effect of core twisting on self-assembly and optical properties of perylene bisimide dyes in solution and columnar liquid crystalline phases. *Chemistry - A European Journal*, **2007**, 13, 450-65	4.8	325
21	Morphology control of fluorescent nanoaggregates by co-self-assembly of wedge- and dumbbell-shaped amphiphilic perylene bisimides. *Journal of the American Chemical Society*, **2007**, 129, 4886-7	16.4	371
20	Helical growth of semiconducting columnar dye assemblies based on chiral perylene bisimides. *Organic Letters*, **2007**, 9, 1085-8	6.2	136

19	Functional organogels from highly efficient organogelator based on perylene bisimide semiconductor. *Chemical Communications*, **2006**, 3871-3	5.8	144
18	Influence of intermolecular orientation on the photoinduced charge transfer kinetics in self-assembled aggregates of donor-acceptor arrays. *Journal of the American Chemical Society*, **2006**, 128, 649-57	16.4	156
17	The importance of nanoscopic ordering on the kinetics of photoinduced charge transfer in aggregated pi-conjugated hydrogen-bonded donor-acceptor systems. *Journal of Physical Chemistry B*, **2006**, 110, 16967-78	3.4	56
16	One-dimensional luminescent nanoaggregates of perylene bisimides. *Chemical Communications*, **2006**, 1188-90	5.8	193
15	Control of ambipolar thin film architectures by co-self-assembling oligo(p-phenylenevinylene)s and perylene bisimides. *Journal of the American Chemical Society*, **2006**, 128, 9535-40	16.4	148
14	On the geometry dependence of molecular dimer spectra with an application to aggregates of perylene bisimide. *Chemical Physics*, **2006**, 328, 354-362	2.3	157
13	Dramatic increase in charge carrier lifetime in a liquid crystalline perylene bisimide derivative upon bay substitution with chlorine. *Journal of Materials Chemistry*, **2005**, 15, 1270-1276		58
12	Two-dimensional self-assembly into multicomponent hydrogen-bonded nanostructures. *Nano Letters*, **2005**, 5, 77-81	11.5	112
11	Scanning tunneling microscopy and spectroscopy of donor-acceptor-donor triads at the liquid/solid interface. *ChemPhysChem*, **2005**, 6, 2389-95	3.2	26
10	Preparation and characterization of regioisomerically pure 1,7-disubstituted perylene bisimide dyes. *Journal of Organic Chemistry*, **2004**, 69, 7933-9	4.2	291
9	Tetrachloro-substituted perylene bisimide dyes as promising n-type organic semiconductors: studies on structural, electrochemical and charge transport properties. *ChemPhysChem*, **2004**, 5, 137-40	3.2	242
8	Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene): Perylene Bisimide Arrays Close to the Marcus Inverted Region. *Journal of Physical Chemistry A*, **2004**, 108, 6933-6937	2.8	59
7	Towards supramolecular electronics. *Synthetic Metals*, **2004**, 147, 43-48	3.6	43
6	Supramolecular p-n-heterojunctions by co-self-organization of oligo(p-phenylene vinylene) and perylene bisimide dyes. *Journal of the American Chemical Society*, **2004**, 126, 10611-8	16.4	383
5	Bias-dependent visualization of electron donor (D) and electron acceptor (A) moieties in a chiral DAD triad molecule. *Journal of the American Chemical Society*, **2003**, 125, 14968-9	16.4	77
4	Photoinduced electron transfer in hydrogen-bonded oligo(p-phenylene vinylene)-perylene bisimide chiral assemblies. *Journal of the American Chemical Society*, **2002**, 124, 10252-3	16.4	267
3	Monomerization of Cationic Phthalocyanine in AOT Reversed Micelles *Langmuir*, **2001**, 17, 7957-7959	4	15
2	Dynamic Observations of the Hydrolysis of a DPPC Monolayer at the Air/Water Interface Catalyzed by Phospholipase A(2) This work was supported by the research contract between the German Max-Planck-Society and the Chinese Academy of Sciences as well as the National Natural Science Foundation of China (NNSF). J.L. thanks the president fund of the Chinese Academy of Science and the National Personal Department of China. DPPC=L-dipalmitolphosphatidylcholine. *Angewandte Chemie - International Edition*, **2000**, 39, 3059-3062	16.4	41

1	Siloxane tethered perylene diimide: from monotropic phase structures to tunable photoconductivity. *Journal of Materials Chemistry C*,	7.1	3