Zhi-Jian Chen

List of Publications by Year
in descending order

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58 papers	6,154 citations	159525 30 h-index	149623 56 g-index
62 all docs	62 docs citations	62 times ranked	6318 citing authors

#	Article	IF	Citations
1	POSS-containing polynorbornene with pendant perylene diimide: from a unique supramolecular structure to tunable luminescence properties. Journal of Materials Chemistry C, 2022, 10, 8791-8796.	2.7	2
2	Asymmetric living supramolecular polymerization of an achiral aza-BODIPY dye by solvent-mediated chirality induction and memory. Organic Chemistry Frontiers, 2022, 9, 3949-3955.	2.3	3
3	Living supramolecular polymerization of an amphiphilic aza-BODIPY dye realized by water-assisted kinetic trapping. Chemical Communications, 2022, 58, 7662-7665.	2.2	3
4	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.	2.3	29
5	NIR absorbing dimeric aza-BODIPY dye with J-type aggregation and photothermal properties. Tetrahedron Letters, 2021, 76, 153216.	0.7	3
6	Structural and Nanotribological Properties of a BODIPY Self-Assembly. Frontiers in Chemistry, 2021, 9, 704915.	1.8	2
7	An amphiphilic B,O-chelated aza-BODIPY dye: synthesis, pH-sensitivity, and aggregation behaviour in a H₂O/DMSO mixed solvent. Organic and Biomolecular Chemistry, 2021, 19, 6108-6114.	1.5	6
8	Near-infrared fluorescent amphiphilic Aza-BODIPY dye: Synthesis, solvatochromic properties, and selective detection of Cu2+. Dyes and Pigments, 2020, 183, 108714.	2.0	17
9	Alignment of supramolecular J-aggregates based on uracil-functionalized BODIPY dye for polarized photoluminescence. Chemical Communications, 2020, 56, 12069-12072.	2.2	29
10	Perylene diimide derivative via ionic self-assembly: helical supramolecular structure and selective detection of ATP. Journal of Materials Chemistry C, 2020, 8, 10422-10430.	2.7	9
11	Near-Infrared Laser-Triggered In Situ Dimorphic Transformation of BF₂-Azadipyrromethene Nanoaggregates for Enhanced Solid Tumor Penetration. ACS Nano, 2020, 14, 3640-3650.	7.3	72
12	Living Supramolecular Polymerization of an Azaâ€BODIPY Dye Controlled by a Hydrogenâ€Bondâ€Accepting Triazole Unit Introduced by Click Chemistry. Angewandte Chemie, 2020, 132, 5223-5230.	1.6	18
13	Living Supramolecular Polymerization of an Azaâ€BODIPY Dye Controlled by a Hydrogenâ€Bondâ€Accepting Triazole Unit Introduced by Click Chemistry. Angewandte Chemie - International Edition, 2020, 59, 5185-5192.	7.2	68
14	Blue emissive dimethylmethylene-bridged triphenylamine derivatives appending cross-linkable groups. Organic and Biomolecular Chemistry, 2020, 18, 3754-3760.	1.5	2
15	Analysis of rheological behaviors of two-dimensional emulsion globules with asymmetric internal structures in modest extensional flows. Physics of Fluids, 2019, 31, .	1.6	5
16	Performance enhancement of perovskite solar cells by employing TiO2 nanorod arrays decorated with CuInS2 quantum dots. Journal of Colloid and Interface Science, 2018, 513, 693-699.	5.0	32
17	Synthesis and aggregation properties of boron-dipyrromethene dyes conjugated with guanine units. Journal of Porphyrins and Phthalocyanines, 2018, 22, 944-952.	0.4	3
18	Coupled Cooperative Supramolecular Polymerization: A New Model Applied to the Competing Aggregation Pathways of an Amphiphilic azaâ€BODIPY Dye into Spherical and Rodâ€Like Aggregates. Chemistry - A European Journal, 2018, 24, 16388-16394.	1.7	29

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19	Tetrathienyl-functionalized red- and NIR-absorbing BODIPY dyes appending various peripheral substituents. Organic and Biomolecular Chemistry, 2017, 15, 1393-1399.	1.5	15
20	Titelbild: Nearâ€IR Absorbing Jâ€Aggregate of an Amphiphilic BF₂â€Azadipyrromethene Dye by Kinetic Cooperative Selfâ€Assembly (Angew. Chem. 21/2017). Angewandte Chemie, 2017, 129, 5725-5725.	1.6	0
21	Bioinspired Adaptive Microplate Arrays for Magnetically Tuned Optics. Advanced Optical Materials, 2017, 5, 1601043.	3.6	16
22	Nearâ€IR Absorbing Jâ€Aggregate of an Amphiphilic BF₂â€Azadipyrromethene Dye by Kinetic Cooperative Selfâ€Assembly. Angewandte Chemie - International Edition, 2017, 56, 5729-5733.	7.2	166
23	Nearâ€IR Absorbing Jâ€Aggregate of an Amphiphilic BF₂â€Azadipyrromethene Dye by Kinetic Cooperative Selfâ€Assembly. Angewandte Chemie, 2017, 129, 5823-5827.	1.6	47
24	Tetraphenylethylene- and fluorene-functionalized near-infrared aza-BODIPY dyes for living cell imaging. RSC Advances, 2017, 7, 55839-55845.	1.7	15
25	Tracing Single Electrons in a Disordered Polymer Film at Room Temperature. Journal of Physical Chemistry Letters, 2016, 7, 1478-1483.	2.1	11
26	Aqueous self-assembly of a charged BODIPY amphiphile via nucleationâ€"growth mechanism. Physical Chemistry Chemical Physics, 2015, 17, 9167-9172.	1.3	38
27	Co-self-assembled nanoaggregates of BODIPY amphiphiles for dual colour imaging of live cells. Chemical Communications, 2015, 51, 12447-12450.	2.2	49
28	Green fabrication of antibacterial polymer/silver nanoparticle nanohybrids by dual-spinneret electrospinning. RSC Advances, 2015, 5, 40141-40147.	1.7	25
29	Water-soluble BODIPY and aza-BODIPY dyes: synthetic progress and applications. Frontiers of Chemical Science and Engineering, 2014, 8, 405-417.	2.3	101
30	Solubility Measurements and Prediction of Coenzyme Q10 Solubility in Different Solvent Systems. Journal of Solution Chemistry, 2013, 42, 764-771.	0.6	6
31	Exciton delocalization and dynamics in helical Ï€-stacks of self-assembled perylene bisimides. Chemical Science, 2013, 4, 388-397.	3.7	167
32	Solvent and substituent effects on aggregation constants of perylene bisimide Ï€-stacks â€" a linear free energy relationship analysis. Organic and Biomolecular Chemistry, 2012, 10, 5845.	1.5	170
33	Polymorphism and crystal transformation of penicillin sulfoxide. Frontiers of Chemical Science and Engineering, 2011, 5, 442-447.	2.3	3
34	Introduction to the special issue of the 2009 International Symposium on Crystal Engineering & Drug Delivery Systems. Frontiers of Chemical Engineering in China, 2010, 4, 1-1.	0.6	1
35	Self-assembled Ï€-stacks of functional dyes in solution: structural and thermodynamic features. Chemical Society Reviews, 2009, 38, 564-584.	18.7	918
36	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, 4886-4887.	6.6	393

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37	Helical Growth of Semiconducting Columnar Dye Assemblies Based on Chiral Perylene Bisimides. Organic Letters, 2007, 9, 1085-1088.	2.4	145
38	Photoluminescence and Conductivity of Self-Assembled Ï€â€“Ï€ Stacks of Perylene Bisimide Dyes. Chemistry - A European Journal, 2007, 13, 436-449.	1.7	552
39	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, 450-465.	1.7	342
40	Functional organogels from highly efficient organogelator based on perylene bisimide semiconductor. Chemical Communications, 2006, , 3871-3873.	2.2	154
41	Influence of Intermolecular Orientation on the Photoinduced Charge Transfer Kinetics in Self-Assembled Aggregates of Donorâˆ’Acceptor Arrays. Journal of the American Chemical Society, 2006, 128, 649-657.	6.6	171
42	The Importance of Nanoscopic Ordering on the Kinetics of Photoinduced Charge Transfer in Aggregated Ï€-Conjugated Hydrogen-Bonded Donorâˆ’Acceptor Systems. Journal of Physical Chemistry B, 2006, 110, 16967-16978.	1.2	57
43	One-dimensional luminescent nanoaggregates of perylene bisimides. Chemical Communications, 2006, , 1188.	2.2	204
44	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, 9535-9540.	6.6	154
45	On the geometry dependence of molecular dimer spectra with an application to aggregates of perylene bisimide. Chemical Physics, 2006, 328, 354-362.	0.9	165
46	Scanning Tunneling Microscopy and Spectroscopy of Donor-Acceptor-Donor Triads at the Liquid/Solid Interface. ChemPhysChem, 2005, 6, 2389-2395.	1.0	27
47	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.	6.7	61
48	Two-Dimensional Self-Assembly into Multicomponent Hydrogen-Bonded Nanostructures. Nano Letters, 2005, 5, 77-81.	4.5	115
49	Preparation and Characterization of Regioisomerically Pure 1,7-Disubstituted Perylene Bisimide Dyes. Journal of Organic Chemistry, 2004, 69, 7933-7939.	1.7	327
50	Tetrachloro-substituted Perylene Bisimide Dyes as Promising n-Type Organic Semiconductors: Studies on Structural, Electrochemical and Charge Transport Properties. ChemPhysChem, 2004, 5, 137-140.	1.0	260
51	Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene):Â Perylene Bisimide Arrays Close to the Marcus Inverted Region. Journal of Physical Chemistry A, 2004, 108, 6933-6937.	1.1	64
52	Towards supramolecular electronics. Synthetic Metals, 2004, 147, 43-48.	2.1	44
53	Supramolecular pâˆ’n-Heterojunctions by Co-Self-Organization of Oligo(p-phenylene Vinylene) and Perylene Bisimide Dyes. Journal of the American Chemical Society, 2004, 126, 10611-10618.	6.6	400
54	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, 14968-14969.	6.6	82

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55	Photoinduced Electron Transfer in Hydrogen-Bonded Oligo(p-phenylene vinylene)â^'Perylene Bisimide Chiral Assemblies. Journal of the American Chemical Society, 2002, 124, 10252-10253.	6.6	292
56	Monomerization of Cationic Phthalocyanine in AOT Reversed Micellesâ€. Langmuir, 2001, 17, 7957-7959.	1.6	17
57	Dynamic Observations of the Hydrolysis of a DPPC Monolayer at the Air/Water Interface Catalyzed by Phospholipaseâ€...A2. Angewandte Chemie - International Edition, 2000, 39, 3059-3062.	7.2	43
58	Siloxane tethered perylene diimide: from monotropic phase structures to tunable photoconductivity. Journal of Materials Chemistry C, 0, , .	2.7	5