

# 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	Self-assembled $\pi$ -stacks of functional dyes in solution: structural and thermodynamic features. <i>Chemical Society Reviews</i> , 2009, 38, 564-584.	18.7	918
2	Photoluminescence and Conductivity of Self-Assembled $\pi$ - $\pi$ Stacks of Perylene Bisimide Dyes. <i>Chemistry - A European Journal</i> , 2007, 13, 436-449.	1.7	552
3	Supramolecular $\pi$ -Heterojunctions by Co-Self-Organization of Oligo(p-phenylene Vinylene) and Perylene Bisimide Dyes. <i>Journal of the American Chemical Society</i> , 2004, 126, 10611-10618.	6.6	400
4	Morphology Control of Fluorescent Nanoaggregates by Co-Self-Assembly of Wedge- and Dumbbell-Shaped Amphiphilic Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2007, 129, 4886-4887.	6.6	393
5	Effect of Core Twisting on Self-Assembly and Optical Properties of Perylene Bisimide Dyes in Solution and Columnar Liquid Crystalline Phases. <i>Chemistry - A European Journal</i> , 2007, 13, 450-465.	1.7	342
6	Preparation and Characterization of Regioisomerically Pure 1,7-Disubstituted Perylene Bisimide Dyes. <i>Journal of Organic Chemistry</i> , 2004, 69, 7933-7939.	1.7	327
7	Photoinduced Electron Transfer in Hydrogen-Bonded Oligo(p-phenylene vinylene)-Perylene Bisimide Chiral Assemblies. <i>Journal of the American Chemical Society</i> , 2002, 124, 10252-10253.	6.6	292
8	Tetrachloro-substituted Perylene Bisimide Dyes as Promising n-Type Organic Semiconductors: Studies on Structural, Electrochemical and Charge Transport Properties. <i>ChemPhysChem</i> , 2004, 5, 137-140.	1.0	260
9	One-dimensional luminescent nanoaggregates of perylene bisimides. <i>Chemical Communications</i> , 2006, , 1188.	2.2	204
10	Influence of Intermolecular Orientation on the Photoinduced Charge Transfer Kinetics in Self-Assembled Aggregates of Donor-Acceptor Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 649-657.	6.6	171
11	Solvent and substituent effects on aggregation constants of perylene bisimide $\pi$ -stacks - a linear free energy relationship analysis. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5845.	1.5	170
12	Exciton delocalization and dynamics in helical $\pi$ -stacks of self-assembled perylene bisimides. <i>Chemical Science</i> , 2013, 4, 388-397.	3.7	167
13	Near-IR Absorbing $\pi$ -Aggregate of an Amphiphilic BF <sub>2</sub> -Azadipyromethene Dye by Kinetic Cooperative Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5729-5733.	7.2	166
14	On the geometry dependence of molecular dimer spectra with an application to aggregates of perylene bisimide. <i>Chemical Physics</i> , 2006, 328, 354-362.	0.9	165
15	Functional organogels from highly efficient organogelator based on perylene bisimide semiconductor. <i>Chemical Communications</i> , 2006, , 3871-3873.	2.2	154
16	Control of Ambipolar Thin Film Architectures by Co-Self-Assembling Oligo(p-phenylenevinylene)s and Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2006, 128, 9535-9540.	6.6	154
17	Helical Growth of Semiconducting Columnar Dye Assemblies Based on Chiral Perylene Bisimides. <i>Organic Letters</i> , 2007, 9, 1085-1088.	2.4	145
18	Two-Dimensional Self-Assembly into Multicomponent Hydrogen-Bonded Nanostructures. <i>Nano Letters</i> , 2005, 5, 77-81.	4.5	115

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19	Water-soluble BODIPY and aza-BODIPY dyes: synthetic progress and applications. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 405-417.	2.3	101
20	Bias-Dependent Visualization of Electron Donor (D) and Electron Acceptor (A) Moieties in a Chiral DAD Triad Molecule. <i>Journal of the American Chemical Society</i> , 2003, 125, 14968-14969.	6.6	82
21	Near-Infrared Laser-Triggered <i>In Situ</i> Dimorphic Transformation of BF <sub>2</sub> -Azadipyromethene Nanoaggregates for Enhanced Solid Tumor Penetration. <i>ACS Nano</i> , 2020, 14, 3640-3650.	7.3	72
22	Living Supramolecular Polymerization of an Aza-BODIPY Dye Controlled by a Hydrogen-Bond-Accepting Triazole Unit Introduced by Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5185-5192.	7.2	68
23	Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene)-Perylene Bisimide Arrays Close to the Marcus Inverted Region. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6933-6937.	1.1	64
24	Dramatic increase in charge carrier lifetime in a liquid crystalline perylene bisimide derivative upon bay substitution with chlorine. <i>Journal of Materials Chemistry</i> , 2005, 15, 1270-1276.	6.7	61
25	The Importance of Nanoscopic Ordering on the Kinetics of Photoinduced Charge Transfer in Aggregated $\pi$ -Conjugated Hydrogen-Bonded Donor-Acceptor Systems. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16967-16978.	1.2	57
26	Co-self-assembled nanoaggregates of BODIPY amphiphiles for dual colour imaging of live cells. <i>Chemical Communications</i> , 2015, 51, 12447-12450.	2.2	49
27	Near-IR Absorbing $\pi$ -Aggregate of an Amphiphilic BF <sub>2</sub> -Azadipyromethene Dye by Kinetic Cooperative Self-Assembly. <i>Angewandte Chemie</i> , 2017, 129, 5823-5827.	1.6	47
28	Towards supramolecular electronics. <i>Synthetic Metals</i> , 2004, 147, 43-48.	2.1	44
29	Dynamic Observations of the Hydrolysis of a DPPC Monolayer at the Air/Water Interface Catalyzed by Phospholipase A <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3059-3062.	7.2	43
30	Aqueous self-assembly of a charged BODIPY amphiphile via nucleation-growth mechanism. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9167-9172.	1.3	38
31	Performance enhancement of perovskite solar cells by employing TiO <sub>2</sub> nanorod arrays decorated with CuInS <sub>2</sub> quantum dots. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 693-699.	5.0	32
32	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. <i>Chemistry - A European Journal</i> , 2018, 24, 16388-16394.	1.7	29
33	Alignment of supramolecular J-aggregates based on uracil-functionalized BODIPY dye for polarized photoluminescence. <i>Chemical Communications</i> , 2020, 56, 12069-12072.	2.2	29
34	J-aggregation induced emission enhancement of BODIPY dyes <i>via</i> H-bonding directed supramolecular polymerization: the importance of substituents at boron. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4078-4085.	2.3	29
35	Scanning Tunneling Microscopy and Spectroscopy of Donor-Acceptor-Donor Triads at the Liquid/Solid Interface. <i>ChemPhysChem</i> , 2005, 6, 2389-2395.	1.0	27
36	Green fabrication of antibacterial polymer/silver nanoparticle nanohybrids by dual-spinneret electrospinning. <i>RSC Advances</i> , 2015, 5, 40141-40147.	1.7	25

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37	Living Supramolecular Polymerization of an Aza-BODIPY Dye Controlled by a Hydrogen-Bond-Accepting Triazole Unit Introduced by Click Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 5223-5230.	1.6	18
38	Monomerization of Cationic Phthalocyanine in AOT Reversed Micelles. <i>Langmuir</i> , 2001, 17, 7957-7959.	1.6	17
39	Near-infrared fluorescent amphiphilic Aza-BODIPY dye: Synthesis, solvatochromic properties, and selective detection of Cu <sup>2+</sup> . <i>Dyes and Pigments</i> , 2020, 183, 108714.	2.0	17
40	Bioinspired Adaptive Microplate Arrays for Magnetically Tuned Optics. <i>Advanced Optical Materials</i> , 2017, 5, 1601043.	3.6	16
41	Tetrathienyl-functionalized red- and NIR-absorbing BODIPY dyes appending various peripheral substituents. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1393-1399.	1.5	15
42	Tetraphenylethylene- and fluorene-functionalized near-infrared aza-BODIPY dyes for living cell imaging. <i>RSC Advances</i> , 2017, 7, 55839-55845.	1.7	15
43	Tracing Single Electrons in a Disordered Polymer Film at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1478-1483.	2.1	11
44	Perylene diimide derivative via ionic self-assembly: helical supramolecular structure and selective detection of ATP. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10422-10430.	2.7	9
45	Solubility Measurements and Prediction of Coenzyme Q10 Solubility in Different Solvent Systems. <i>Journal of Solution Chemistry</i> , 2013, 42, 764-771.	0.6	6
46	An amphiphilic B <sub>2</sub> O <sub>2</sub> -chelated aza-BODIPY dye: synthesis, pH-sensitivity, and aggregation behaviour in a H <sub>2</sub> O/DMSO mixed solvent. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6108-6114.	1.5	6
47	Analysis of rheological behaviors of two-dimensional emulsion globules with asymmetric internal structures in modest extensional flows. <i>Physics of Fluids</i> , 2019, 31, .	1.6	5
48	Siloxane tethered perylene diimide: from monotropic phase structures to tunable photoconductivity. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	5
49	Polymorphism and crystal transformation of penicillin sulfoxide. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 442-447.	2.3	3
50	Synthesis and aggregation properties of boron-dipyrromethene dyes conjugated with guanine units. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 944-952.	0.4	3
51	NIR absorbing dimeric aza-BODIPY dye with J-type aggregation and photothermal properties. <i>Tetrahedron Letters</i> , 2021, 76, 153216.	0.7	3
52	Asymmetric living supramolecular polymerization of an achiral aza-BODIPY dye by solvent-mediated chirality induction and memory. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3949-3955.	2.3	3
53	Living supramolecular polymerization of an amphiphilic aza-BODIPY dye realized by water-assisted kinetic trapping. <i>Chemical Communications</i> , 2022, 58, 7662-7665.	2.2	3
54	Blue emissive dimethylmethylene-bridged triphenylamine derivatives appending cross-linkable groups. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3754-3760.	1.5	2

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55	Structural and Nanotribological Properties of a BODIPY Self-Assembly. <i>Frontiers in Chemistry</i> , 2021, 9, 704915.	1.8	2
56	POSS-containing polynorbornene with pendant perylene diimide: from a unique supramolecular structure to tunable luminescence properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8791-8796.	2.7	2
57	Introduction to the special issue of the 2009 International Symposium on Crystal Engineering & Drug Delivery Systems. <i>Frontiers of Chemical Engineering in China</i> , 2010, 4, 1-1.	0.6	1
58	Titelbild: Near-IR Absorbing $\text{J}^{\text{A}}$ Aggregate of an Amphiphilic $\text{BF}_2^{\text{A}}$ Azadipyromethene Dye by Kinetic Cooperative Self-Assembly ( <i>Angew. Chem.</i> 21/2017). <i>Angewandte Chemie</i> , 2017, 129, 5725-5725.	1.6	0