

# Xin Zhang

## 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.

48  
papers

2,845  
citations

22  
h-index

52  
g-index

52  
ext. papers

3,013  
ext. citations

6.7  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
48	Self-correcting energy transfer Diels-Alder adduct dyes. <i>Dyes and Pigments</i> , <b>2022</b> , 110337	4.6	
47	Deep-blue-emitting nanoaggregates from carbazole-based dyes in water. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	1
46	Modulating optical and electrochemical properties of perylene dyes by twisting aromatic $\pi$ -system structures. <i>Dyes and Pigments</i> , <b>2021</b> , 189, 109261	4.6	2
45	Dynamic dye emission ON/OFF systems by a furan moiety exchange protocol. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108652	4.6	4
44	Controlling fluorescence resonance energy transfer of donor-acceptor dyes by Diels-Alder dynamic covalent bonds. <i>Chemical Communications</i> , <b>2021</b> , 57, 3275-3278	5.8	2
43	Fluorescent carbazole-containing dyes: Synthesis and supramolecular assembly by self-complementary donor-acceptor $\pi$ -stacking and dipolar interactions. <i>Dyes and Pigments</i> , <b>2020</b> , 182, 108474	4.6	5
42	Path-Guided Hierarchical Surface Relief Gratings on Azo-Films Induced by Polarized Light Illumination through Surface-Wrinkling Phase Mask. <i>Langmuir</i> , <b>2020</b> , 36, 2837-2846	4	4
41	Amphiphilic Fluorescence Resonance Energy-Transfer Dyes: Synthesis, Fluorescence, and Aggregation Behavior in Water. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11503-11510	4.8	5
40	Donor/acceptor maleimide and itaconimide dyes: Synthesis, fluorescence and electrochemical properties. <i>Dyes and Pigments</i> , <b>2020</b> , 172, 107823	4.6	10
39	Pyrene-containing dyes: Reversible click/declick reaction, optical and aggregation behaviors. <i>Dyes and Pigments</i> , <b>2020</b> , 179, 108375	4.6	2
38	Trismaleimide Dendrimers: Helix-to-Superhelix Supramolecular Transition Accompanied by White-Light Emission. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18162-18170	3.6	4
37	Trismaleimide Dendrimers: Helix-to-Superhelix Supramolecular Transition Accompanied by White-Light Emission. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17994-18002	16.4	23
36	Synthesis and aggregation properties of boron-dipyrromethene dyes conjugated with guanine units. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2018</b> , 22, 944-952	1.8	3
35	Dynamic Diels-Alder reactions of maleimide-furan amphiphiles and their fluorescence ON/OFF behaviours. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 7871-7877	3.9	15
34	Supramolecular block copolymers by kinetically controlled co-self-assembly of planar and core-twisted perylene bisimides. <i>Nature Communications</i> , <b>2015</b> , 6, 7009	17.4	149
33	Hierarchical growth of fluorescent dye aggregates in water by fusion of segmented nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1270-4	16.4	101
32	Hierarchical Growth of Fluorescent Dye Aggregates in Water by Fusion of Segmented Nanostructures. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1294-1298	3.6	38

31	White-light emitting dye micelles in aqueous solution. <i>Chemical Communications</i> , <b>2013</b> , 49, 8178-80	5.8	60
30	Benzodithiophene bridged dimeric perylene diimide amphiphiles as efficient solution-processed non-fullerene small molecules. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4631	4.9	64
29	Orientation of bromination in bay-region of perylene diimides. <i>Tetrahedron</i> , <b>2013</b> , 69, 8155-8160	2.4	22
28	Synthesis and fluorescence behavior of 2,5-diphenyl-1,3,4-oxadiazole-containing bismaleimides and bisuccinimides. <i>Frontiers of Chemical Science and Engineering</i> , <b>2013</b> , 7, 381-387	4.5	7
27	Impact of molecular solvophobicity vs. solvophilicity on device performances of dimeric perylene diimide based solution-processed non-fullerene organic solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 11375-85	3.6	39
26	The leverage effect of the relative strength of molecular solvophobicity vs. solvophilicity on fine-tuning nanomorphologies of perylene diimide bolaamphiphiles. <i>Soft Matter</i> , <b>2013</b> , 9, 3089	3.6	12
25	Facile synthesis of 1-bromo-7-alkoxyl perylene diimide dyes: toward unsymmetrical functionalizations at the 1,7-positions. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 1094-1097	2	42
24	A self-assembly phase diagram from amphiphilic perylene diimides. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 12305-13	4.8	33
23	Molekülverbände von Perylenbisimid-Farbstoffen in Wasser. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6434-6455	3.6	87
22	Molecular assemblies of perylene bisimide dyes in water. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6328-48	16.4	383
21	Biosupramolecular nanowires from chlorophyll dyes with exceptional charge-transport properties. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6378-82	16.4	83
20	Highly fluorescent water-soluble polyglycerol-dendronized perylene bisimide dyes. <i>Chemical Communications</i> , <b>2010</b> , 46, 1884-6	5.8	141
19	Spermine-functionalized perylene bisimide dyes--highly fluorescent bola-amphiphiles in water. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3372-82	4.8	66
18	Water-soluble 3,4:9,10-perylene tetracarboxylic ammonium as a high-performance fluorochrome for living cells staining. <i>Luminescence</i> , <b>2009</b> , 24, 140-3	2.5	19
17	Vesicular perylene dye nanocapsules as supramolecular fluorescent pH sensor systems. <i>Nature Chemistry</i> , <b>2009</b> , 1, 623-9	17.6	515
16	A new type of soft vesicle-forming molecule: an amino acid derived guanidiniocarbonyl pyrrole carboxylate zwitterion. <i>Organic Letters</i> , <b>2008</b> , 10, 1469-72	6.2	48
15	Highly fluorescent lyotropic mesophases and organogels based on J-aggregates of core-twisted perylene bisimide dyes. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8074-8	4.8	158
14	Self-assembly and supramolecular transition of poly(amidoamine) dendrons focally modified with aromatic chromophores. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 314, 289-96	9.3	11

13	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> , <b>2007</b> , 129, 4886-7	16.4	371
12	Poly(amidoamine) Dendrimers Bearing Electron-Donating Chromophores: Fluorescence and Electrochemical Properties. <i>Polymer Bulletin</i> , <b>2006</b> , 56, 63-74	2.4	10
11	Mono-, bis-, and trismaleimides having electron-donating chromophores: Fluorescence, electrochemical properties, polymerization, and cure monitoring. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 304-313	2.5	10
10	New $\beta$ -diketone-containing styrenic monomers and their polymers: Synthesis, keto-enol tautomerism and related fluorescence behavior. <i>Polymer</i> , <b>2006</b> , 47, 3390-3400	3.9	8
9	Donor/acceptor vinyl monomers and their polymers: Synthesis, photochemical and photophysical behavior. <i>Progress in Polymer Science</i> , <b>2006</b> , 31, 893-948	29.6	54
8	$\beta$ -Diketones bearing electron-donating chromophores and a novel $\beta$ -diketone: synthesis and reversible fluorescence behavior. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 2623-2626	2	11
7	Self-assembly of a new class of amphiphilic poly(amidoamine) dendrimers and their electrochemical properties. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 5512-5519	2.5	17
6	Poly(amidoamine) dendrimers with phenyl shells: fluorescence and aggregation behavior. <i>Polymer</i> , <b>2004</b> , 45, 8395-8402	3.9	17
5	Fluorescence and aggregation behavior of poly(amidoamine) dendrimers peripherally modified with aromatic chromophores: the effect of dendritic architectures. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15180-94	16.4	87
4	Multi-maleimides bearing electron-donating chromophores: reversible fluorescence and aggregation behavior. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 12200-1	16.4	35
3	A Strategy to Prepare Anemone-Shaped Polymer Brush by Controlled/Living Radical Polymerization. <i>ACS Symposium Series</i> , <b>2003</b> , 342-351	0.4	4
2	Synthesis of Bismaleimides Bearing Electron-Donating Chromophores and Their Fluorescence Behavior during Copolymerization. <i>Macromolecules</i> , <b>2003</b> , 36, 3115-3127	5.5	43
1	Bismaleimides Having Electron-Donating Chromophore Moieties: A New Approach Toward Monitoring the Process of Curing Based on Their Fluorescence Behavior. <i>Macromolecular Rapid Communications</i> , <b>2001</b> , 22, 983-987	4.8	19