

Xin Zhang

List of Publications by Citations

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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	Vesicular perylene dye nanocapsules as supramolecular fluorescent pH sensor systems. <i>Nature Chemistry</i> , 2009 , 1, 623-9	17.6	515
47	Molecular assemblies of perylene bisimide dyes in water. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6328-48	16.4	383
46	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, 4886-7	16.4	371
45	Highly fluorescent lyotropic mesophases and organogels based on J-aggregates of core-twisted perylene bisimide dyes. <i>Chemistry - A European Journal</i> , 2008 , 14, 8074-8	4.8	158
44	Supramolecular block copolymers by kinetically controlled co-self-assembly of planar and core-twisted perylene bisimides. <i>Nature Communications</i> , 2015 , 6, 7009	17.4	149
43	Highly fluorescent water-soluble polyglycerol-dendronized perylene bisimide dyes. <i>Chemical Communications</i> , 2010 , 46, 1884-6	5.8	141
42	Hierarchical growth of fluorescent dye aggregates in water by fusion of segmented nanostructures. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1270-4	16.4	101
41	Molekülverbände von Perylenbisimid-Farbstoffen in Wasser. <i>Angewandte Chemie</i> , 2012 , 124, 6434-6455	3.6	87
40	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> , 2004 , 126, 15180-94	16.4	87
39	Biosupramolecular nanowires from chlorophyll dyes with exceptional charge-transport properties. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6378-82	16.4	83
38	Spermine-functionalized perylene bisimide dyes--highly fluorescent bola-amphiphiles in water. <i>Chemistry - A European Journal</i> , 2010 , 16, 3372-82	4.8	66
37	Benzodithiophene bridged dimeric perylene diimide amphiphiles as efficient solution-processed non-fullerene small molecules. <i>Polymer Chemistry</i> , 2013 , 4, 4631	4.9	64
36	White-light emitting dye micelles in aqueous solution. <i>Chemical Communications</i> , 2013 , 49, 8178-80	5.8	60
35	Donor/acceptor vinyl monomers and their polymers: Synthesis, photochemical and photophysical behavior. <i>Progress in Polymer Science</i> , 2006 , 31, 893-948	29.6	54
34	A new type of soft vesicle-forming molecule: an amino acid derived guanidiniocarbonyl pyrrole carboxylate zwitterion. <i>Organic Letters</i> , 2008 , 10, 1469-72	6.2	48
33	Synthesis of Bismaleimides Bearing Electron-Donating Chromophores and Their Fluorescence Behavior during Copolymerization. <i>Macromolecules</i> , 2003 , 36, 3115-3127	5.5	43
32	Facile synthesis of 1-bromo-7-alkoxyl perylene diimide dyes: toward unsymmetrical functionalizations at the 1,7-positions. <i>Tetrahedron Letters</i> , 2012 , 53, 1094-1097	2	42

31	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> , 2013 , 15, 11375-85	3.6	39
30	Hierarchical Growth of Fluorescent Dye Aggregates in Water by Fusion of Segmented Nanostructures. <i>Angewandte Chemie</i> , 2014 , 126, 1294-1298	3.6	38
29	Multi-maleimides bearing electron-donating chromophores: reversible fluorescence and aggregation behavior. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12200-1	16.4	35
28	A self-assembly phase diagram from amphiphilic perylene diimides. <i>Chemistry - A European Journal</i> , 2012 , 18, 12305-13	4.8	33
27	Trismaleimide Dendrimers: Helix-to-Superhelix Supramolecular Transition Accompanied by White-Light Emission. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17994-18002	16.4	23
26	Orientation of bromination in bay-region of perylene diimides. <i>Tetrahedron</i> , 2013 , 69, 8155-8160	2.4	22
25	Water-soluble 3,4:9,10-perylene tetracarboxylic ammonium as a high-performance fluorochrome for living cells staining. <i>Luminescence</i> , 2009 , 24, 140-3	2.5	19
24	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> , 2001 , 22, 983-987	4.8	19
23	Poly(amidoamine) dendrimers with phenyl shells: fluorescence and aggregation behavior. <i>Polymer</i> , 2004 , 45, 8395-8402	3.9	17
22	Self-assembly of a new class of amphiphilic poly(amidoamine) dendrimers and their electrochemical properties. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 5512-5519	2.5	17
21	Dynamic Diels-Alder reactions of maleimide-furan amphiphiles and their fluorescence ON/OFF behaviours. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 7871-7877	3.9	15
20	The leverage effect of the relative strength of molecular solvophobicity vs. solvophilicity on fine-tuning nanomorphologies of perylene diimide bolaamphiphiles. <i>Soft Matter</i> , 2013 , 9, 3089	3.6	12
19	Self-assembly and supramolecular transition of poly(amidoamine) dendrons focally modified with aromatic chromophores. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 289-96	9.3	11
18	Ediketones bearing electron-donating chromophores and a novel Ediketone: synthesis and reversible fluorescence behavior. <i>Tetrahedron Letters</i> , 2006 , 47, 2623-2626	2	11
17	Poly(amidoamine) Dendrimers Bearing Electron-Donating Chromophores: Fluorescence and Electrochemical Properties. <i>Polymer Bulletin</i> , 2006 , 56, 63-74	2.4	10
16	Mono-, bis-, and trismaleimides having electron-donating chromophores: Fluorescence, electrochemical properties, polymerization, and cure monitoring. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 304-313	2.5	10
15	Donor/acceptor maleimide and itaconimide dyes: Synthesis, fluorescence and electrochemical properties. <i>Dyes and Pigments</i> , 2020 , 172, 107823	4.6	10
14	New Ediketone-containing styrenic monomers and their polymers: Synthesis, keto-enol tautomerism and related fluorescence behavior. <i>Polymer</i> , 2006 , 47, 3390-3400	3.9	8

13	Synthesis and fluorescence behavior of 2,5-diphenyl-1,3,4-oxadiazole-containing bismaleimides and bisuccinimides. <i>Frontiers of Chemical Science and Engineering</i> , 2013 , 7, 381-387	4.5	7
12	Fluorescent carbazole-containing dyes: Synthesis and supramolecular assembly by self-complementary donor-acceptor π -stacking and dipolar interactions. <i>Dyes and Pigments</i> , 2020 , 182, 108474	4.6	5
11	Amphiphilic Fluorescence Resonance Energy-Transfer Dyes: Synthesis, Fluorescence, and Aggregation Behavior in Water. <i>Chemistry - A European Journal</i> , 2020 , 26, 11503-11510	4.8	5
10	Trismaleimide Dendrimers: Helix-to-Superhelix Supramolecular Transition Accompanied by White-Light Emission. <i>Angewandte Chemie</i> , 2019 , 131, 18162-18170	3.6	4
9	Path-Guided Hierarchical Surface Relief Gratings on Azo-Films Induced by Polarized Light Illumination through Surface-Wrinkling Phase Mask. <i>Langmuir</i> , 2020 , 36, 2837-2846	4	4
8	A Strategy to Prepare Anemone-Shaped Polymer Brush by Controlled/Living Radical Polymerization. <i>ACS Symposium Series</i> , 2003 , 342-351	0.4	4
7	Dynamic dye emission ON/OFF systems by a furan moiety exchange protocol. <i>Dyes and Pigments</i> , 2021 , 184, 108652	4.6	4
6	Synthesis and aggregation properties of boron-dipyrromethene dyes conjugated with guanine units. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 944-952	1.8	3
5	Modulating optical and electrochemical properties of perylene dyes by twisting aromatic π -system structures. <i>Dyes and Pigments</i> , 2021 , 189, 109261	4.6	2
4	Pyrene-containing dyes: Reversible click/declick reaction, optical and aggregation behaviors. <i>Dyes and Pigments</i> , 2020 , 179, 108375	4.6	2
3	Controlling fluorescence resonance energy transfer of donor-acceptor dyes by Diels-Alder dynamic covalent bonds. <i>Chemical Communications</i> , 2021 , 57, 3275-3278	5.8	2
2	Deep-blue-emitting nanoaggregates from carbazole-based dyes in water. <i>Chemical Communications</i> , 2021 ,	5.8	1
1	Self-correcting energy transfer Diels-Alder adduct dyes. <i>Dyes and Pigments</i> , 2022 , 110337	4.6	