Yi Pang

List of Publications by Year
in descending order

109 papers	4,988 citations	81900 39 h-index	98798 67 g-index
113 all docs	113 docs citations	113 times ranked	5181 citing authors

#	Article	IF	Citations
1	A NIR Emitting Cyanine with Large Stokesâ€™ Shift for Mitochondria and Identification of their Membrane Potential Disruption. ChemBioChem, 2022, 23, .	2.6	10
2	Albumin-induced large fluorescence turn ON in 4-(diphenylamino)benzothiazolium dyes for clinical applications in protein detection. Sensors and Actuators B: Chemical, 2022, 368, 132199.	7.8	14
3	The Unexpected Selectivity Switching from Mitochondria to Lysosome in a D-Ï€-A Cyanine Dye. Biosensors, 2022, 12, 504.	4.7	3
4	Lysosomal Biogenesis and Implications for Hydroxychloroquine Disposition. Journal of Pharmacology and Experimental Therapeutics, 2021, 376, 294-305.	2.5	14
5	Synthesis of a bis[2-(2â€²-hydroxyphenyl)benzoxazole]pyridinium derivative: the fluoride-induced large spectral shift for ratiometric response. New Journal of Chemistry, 2021, 45, 9102-9108.	2.8	11
6	Progress in Tuning Emission of the Excited-State Intramolecular Proton Transfer (ESIPT)-Based Fluorescent Probes. ACS Omega, 2021, 6, 6547-6553.	3.5	83
7	Simultaneous Visualization of Mitochondria and Lysosome by a Single Cyanine Dye: The Impact of the Donor Group (-NR2) Towards Organelle Selectivity. Journal of Fluorescence, 2021, 31, 1227-1234.	2.5	4
8	NIR-emitting styryl dyes with large Stokesâ€™ shifts for imaging application: From cellular plasma membrane, mitochondria to zebrafish neuromast. Dyes and Pigments, 2021, 194, 109629.	3.7	10
9	A pyrene-based two-photon excitable fluorescent probe to visualize nuclei in live cells. Photochemical and Photobiological Sciences, 2020, 19, 1152-1159.	2.9	17
10	Synthesis of a far-red emitting flavonoid-based lysosome marker for live cell imaging applications. Bioorganic Chemistry, 2020, 102, 104040.	4.1	0
11	Efficient synthesis of NIR emitting bis[2-(2â€²-hydroxylphenyl)benzoxazole] derivative and its potential for imaging applications. Bioorganic Chemistry, 2020, 96, 103585.	4.1	5
12	Solvation Controlled Excited-State Planarization in a Pushâ€“Pull Pyrene Dye. Journal of Physical Chemistry C, 2020, 124, 8550-8560.	3.1	13
13	From nucleus to mitochondria to lysosome selectivity switching in a cyanine probe: The phenolic to methoxy substituent conversion affects probeâ€™s selectivity. Bioorganic Chemistry, 2020, 99, 103848.	4.1	16
14	NIR-Emitting Hemicyanines with Large Stokesâ€™ Shifts for Live Cell Imaging: from Lysosome to Mitochondria Selectivity by Substituent Effect. ACS Applied Bio Materials, 2019, 2, 4037-4043.	4.6	26
15	Lysosome imaging in cancer cells by pyrene-benzothiazolium dyes: An alternative imaging approach for LAMP-1 expression based visualization methods to avoid background interference. Bioorganic Chemistry, 2019, 91, 103144.	4.1	14
16	Structural Effect on the Cellular Selectivity of an NIR-Emitting Cyanine Probe: From Lysosome to Simultaneous Nucleus and Mitochondria Selectivity with Potential for Monitoring Mitochondria Dysfunction in Cells. ACS Applied Bio Materials, 2019, 2, 5174-5181.	4.6	18
17	An NIR emitting styryl dye with large Stokes shift to enable co-staining study on zebrafish neuromast hair cells. Bioorganic Chemistry, 2019, 89, 103040.	4.1	14
18	A bright red-emitting flavonoid for Al³⁺ detection in live cells without quenching ICT fluorescence. Chemical Communications, 2019, 55, 7041-7044.	4.1	40

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19	Red-emitting pyreneâ€“benzothiazolium: unexpected selectivity to lysosomes for real-time cell imaging without alkalinizing effect. Chemical Communications, 2019, 55, 3469-3472.	4.1	30
20	A Fluorescent Flavonoid for Lysosome Imaging: the Effect of Substituents on Selectivity and Optical Properties. Journal of Fluorescence, 2019, 29, 599-607.	2.5	10
21	Ultrafast excited state intramolecular proton/charge transfers in novel NIR-emitting molecules. AIP Advances, 2019, 9, .	1.3	18
22	Synthesis of highly selective lysosomal markers by coupling 2-(2â€²-hydroxyphenyl)benzothiazole (HBT) with benzothiazolium cyanine (Cy): the impact of substituents on selectivity and optical properties. Journal of Materials Chemistry B, 2019, 7, 7502-7514.	5.8	14
23	A NIR-emitting cyanine with large Stokes shifts for live cell imaging: large impact of the phenol group on emission. Chemical Communications, 2019, 55, 13223-13226.	4.1	18
24	Bright red-emitting highly reliable styryl probe with large stokes shift for visualizing mitochondria in live cells under wash-free conditions. Sensors and Actuators B: Chemical, 2019, 285, 76-83.	7.8	24
25	Conformational change due to intramolecular hydrophobic interaction leads to large blue-shifted emission from single molecular cage solutions. Chemical Communications, 2019, 55, 330-333.	4.1	14
26	NIR-emitting benzothiazolium cyanines with an enhanced stokes shift for mitochondria imaging in live cells. Organic and Biomolecular Chemistry, 2018, 16, 3382-3388.	2.8	29
27	Effect of Cationâ€“Ï€ Interaction on Macroionic Selfâ€Assembly. Angewandte Chemie - International Edition, 2018, 57, 4067-4072.	13.8	37
28	An NIR-emitting ESIPT dye with large stokes shift for plasma membrane of prokaryotic (E. coli) cells. Sensors and Actuators B: Chemical, 2018, 259, 44-49.	7.8	43
29	An ESIPT-based fluorescent probe for the determination of hypochlorous acid (HClO): mechanism study and its application in cell imaging. Analytical and Bioanalytical Chemistry, 2018, 410, 7007-7017.	3.7	16
30	A fluorescent flavonoid for lysosome detection in live cells under â€œwash freeâ€•conditions. Journal of Materials Chemistry B, 2018, 6, 5050-5058.	5.8	23
31	Bright red-emitting pyrene derivatives with a large Stokes shift for nucleus staining. Chemical Communications, 2017, 53, 5886-5889.	4.1	74
32	Excited-State Intramolecular Proton Transfer (ESIPT) of Fluorescent Flavonoid Dyes: A Close Look by Low Temperature Fluorescence. Journal of Physical Chemistry B, 2017, 121, 4981-4986.	2.6	63
33	An NIR-emitting lysosome-targeting probe with large Stokes shift via coupling cyanine and excited-state intramolecular proton transfer. Chemical Communications, 2017, 53, 3697-3700.	4.1	130
34	Fused bis[2-(2â€²-hydroxyphenyl)benzoxazole] derivatives for improved fluoride sensing: The impact of regiochemistry and competitive hydrogen bonding. Tetrahedron Letters, 2017, 58, 1627-1632.	1.4	19
35	Synthesis of fused 2-(2â€²-hydroxyphenyl)benzoxazole derivatives: the impact of meta-/para-substitution on fluorescence and zinc binding. Tetrahedron Letters, 2016, 57, 3518-3522.	1.4	13
36	A flavonoid-based light-up bioprobe with intramolecular charge transfer characteristics for wash-free fluorescence imaging in vivo. Sensors and Actuators B: Chemical, 2016, 235, 309-315.	7.8	20

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37	Fluorescent flavonoids for endoplasmic reticulum cell imaging. Journal of Materials Chemistry B, 2016, 4, 7902-7908.	5.8	69
38	Solvatochromic fluorescent probes for recognition of human serum albumin in aqueous solution: Insights into structure-property relationship. Sensors and Actuators B: Chemical, 2016, 236, 668-674.	7.8	54
39	Origin of Water-Induced Fluorescence Turn-On from a Schiff Base Compound: AIE or H-Bonding Promoted ESIPT?. Journal of Physical Chemistry B, 2016, 120, 766-772.	2.6	59
40	Optical Response of Terpyridine Ligands to Zinc Binding: A Close Look at the Substitution Effect by Spectroscopic Studies at Low Temperature. Journal of Physical Chemistry B, 2016, 120, 3311-3317.	2.6	23
41	A novel flavonoid-based bioprobe for intracellular recognition of Cu 2+ and its complex with Cu 2+ for secondary sensing of pyrophosphate. Sensors and Actuators B: Chemical, 2016, 229, 131-137.	7.8	44
42	Novel Turn-On Fluorescent Sensors with Mega Stokes Shifts for Dual Detection of Al³⁺and Zn²⁺. ACS Sensors, 2016, 1, 144-150.	7.8	172
43	A step toward simplified detection of serum albumin on SDS-PAGE using an environment-sensitive flavone sensor. Chemical Communications, 2015, 51, 11060-11063.	4.1	78
44	A Ga3+self-assembled fluorescent probe for ATP imaging in vivo. Biosensors and Bioelectronics, 2015, 65, 166-170.	10.1	30
45	Biocompatible Flavone-Based Fluorogenic Probes for Quick Wash-Free Mitochondrial Imaging in Living Cells. ACS Applied Materials & Interfaces, 2014, 6, 21638-21644.	8.0	40
46	A benzoxazole sulfenamide accelerator: Synthesis, structure, property, and implication in rubber vulcanization mechanism. Journal of Applied Polymer Science, 2014, 131, .	2.6	8
47	Substituent effect on fluorophores instead of ionophores: its implication in highly selective fluorescent probes for Zn2+ over Cd2+. RSC Advances, 2014, 4, 4827.	3.6	7
48	A binuclear Zn(<scp>ii</scp>)â€“Zn(<scp>ii</scp>) complex from a 2-hydroxybenzohydrazide-derived Schiff base for selective detection of pyrophosphate. Dalton Transactions, 2014, 43, 14142.	3.3	31
49	A simple sensitive ESIPT on-off fluorescent sensor for selective detection of Al3+ in water. RSC Advances, 2014, 4, 5845.	3.6	78
50	A near infrared fluorescent dye for trivalent ions sensing and working as a molecular keypad lock. RSC Advances, 2014, 4, 11634.	3.6	13
51	A fluorescent probe for hydrazine and its in vivo applications. RSC Advances, 2014, 4, 41807-41811.	3.6	102
52	A selective NIR-emitting zinc sensor by using Schiff base binding to turn-on excited-state intramolecular proton transfer. Journal of Materials Chemistry B, 2014, 2, 2008.	5.8	45
53	A mononuclear zinc complex for selective detection of diphosphate via ESIPT fluorescence turn-on. Journal of Materials Chemistry B, 2014, 2, 3349.	5.8	55
54	A benzothiazole-based sensor for pyrophosphate (PPi) and ATP: mechanistic insight for anion-induced ESIPT turn-on. Journal of Materials Chemistry B, 2014, 2, 6634-6638.	5.8	61

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55	Flavone-Based ESIPT Ratiometric Chemodosimeter for Detection of Cysteine in Living Cells. ACS Applied Materials & Interfaces, 2014, 6, 4402-4407.	8.0	192
56	A single molecular probe for multi-analyte (Cr³⁺, Al³⁺and Fe³⁺) detection in aqueous medium and its biological application. Chemical Communications, 2014, 50, 12258-12261.	4.1	121
57	Fluorescence monitor of hydrazine in vivo by selective deprotection of flavonoid. Sensors and Actuators B: Chemical, 2014, 202, 194-200.	7.8	86
58	Selective dispersion of single-walled carbon nanotubes by a cationic surfactant. RSC Advances, 2013, 3, 25097.	3.6	13
59	Highly Selective Dispersion of Carbon Nanotubes by Using Poly(phenyleneethynylene)â€Guided Supermolecular Assembly. Small, 2013, 9, 870-875.	10.0	18
60	Large Fluorescence Response by Alcohol from a Bis(benzoxazole)â€“Zinc(II) Complex: The Role of Excited State Intramolecular Proton Transfer. Journal of Physical Chemistry B, 2013, 117, 4127-4133.	2.6	49
61	A versatile synthesis of bis[2-(2â€²-hydroxylphenyl)benzoxazole] derivatives as zinc sensors. RSC Advances, 2013, 3, 10208.	3.6	6
62	Schiff base polymers derived from 2,5-diformylfuran. Polymer International, 2013, 62, 1517-1523.	3.1	70
63	Selection of Single-Walled Carbon Nanotube with Narrow Diameter Distribution by Using a PPEâ€“PPV Copolymer. ACS Macro Letters, 2012, 1, 246-251.	4.8	28
64	Achieving Diameter-Selective Separation of Single-Walled Carbon Nanotubes by Using Polymer Conformation-Confined Helical Cavity. ACS Macro Letters, 2012, 1, 701-705.	4.8	19
65	Synthesis and crystallinity of poly(butylene 2,5-furandicarboxylate). Polymer, 2012, 53, 4145-4151.	3.8	142
66	Rotational Energy Barrier of 2-(2â€²,6â€²-Dihydroxyphenyl)benzoxazole: A Case Study by NMR. Journal of Organic Chemistry, 2012, 77, 285-290.	3.2	31
67	The copolymerization reactivity of diols with 2,5-furandicarboxylic acid for furan-based copolyester materials. Journal of Materials Chemistry, 2012, 22, 3457.	6.7	165
68	Zn²⁺ Bindingâ€Enabled Excited State Intramolecular Proton Transfer: A Step toward New Nearâ€Infrared Fluorescent Probes for Imaging Applications. Advanced Healthcare Materials, 2012, 1, 485-492.	7.6	54
69	Rational design of a NIR-emitting Pd(ii) sensor via oxidative cyclization to form a benzoxazole ring. Chemical Communications, 2012, 48, 3824.	4.1	77
70	Zn2+-triggered excited-state intramolecular proton transfer: a sensitive probe with near-infrared emission from bis(benzoxazole) derivative. Dalton Transactions, 2011, 40, 1503.	3.3	74
71	A Highly Selective Pyrophosphate Sensor Based on ESIPT Turn-On in Water. Organic Letters, 2011, 13, 1362-1365.	4.6	245
72	Efficient Aerobic Oxidation of 5â€Hydroxymethylfurfural to 2,5â€Diformylfuran, and Synthesis of a Fluorescent Material. ChemSusChem, 2011, 4, 51-54.	6.8	256

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73	Polymer conformation-assisted wrapping of single-walled carbon nanotube: The impact of cis-vinylene linkage. Polymer, 2010, 51, 475-481.	3.8	34
74	Excited-state intramolecular proton transfer in 2-(2â€²,6â€²-dihydroxyphenyl)benzoxazole: effect of dual hydrogen bonding on the optical properties. Tetrahedron Letters, 2010, 51, 1914-1918.	1.4	65
75	Regioregular poly(3â€alkanoylthiophene): Synthesis and electrochemical, photophysical, charge transport, and photovoltaic properties. Journal of Polymer Science Part A, 2010, 48, 4681-4690.	2.3	21
76	Application of sonochemistry in the isomerization of carbonâ€carbon double bonds. Journal of Polymer Science Part A, 2010, 48, 5254-5257.	2.3	2
77	A fluorescent bis(benzoxazole) ligand: Toward binuclear Zn(II)â€“Zn(ii) assembly. Dalton Transactions, 2010, 39, 5254.	3.3	32
78	Aggregation Control of Squaraines and Their Use as Near-Infrared Fluorescent Sensors for Protein. Journal of Physical Chemistry B, 2010, 114, 8574-8580.	2.6	103
79	Zinc binding-induced near-IR emission from excited-state intramolecular proton transfer of a bis(benzoxazole) derivative. Chemical Communications, 2010, 46, 4070.	4.1	98
80	Efficient synthesis of 2-(2â€²-hydroxyphenyl)benzoxazole by palladium(II)-catalyzed oxidative cyclization. Tetrahedron Letters, 2009, 50, 6680-6683.	1.4	47
81	Synthesis of terpyridine-functionalized poly(phenylenevinylene)s: The role of meta-phenylene linkage on the Cu2+ and Zn2+ chemosensors. Polymer, 2009, 50, 2001-2009.	3.8	36
82	Wrapping of Single-Walled Carbon Nanotubes by a Ï€-Conjugated Polymer: The Role of Polymer Conformation-Controlled Size Selectivity. Journal of Physical Chemistry B, 2008, 112, 12263-12269.	2.6	97
83	Synthesis and optical properties of light-emitting Ï€-conjugated polymers containing biphenyl and dithienosilole. Journal of Polymer Science Part A, 2007, 45, 2048-2058.	2.3	27
84	A Polymeric Colorimetric Sensor with Excited-State Intramolecular Proton Transfer for Anionic Species. Chemistry of Materials, 2007, 19, 6421-6429.	6.7	152
85	Efficient blue-green-emitting poly[(5-diphenylamino-1,3-phenylenevinylene)-alt-(2,5-dihexyloxy-1,4-phenylenevinylene)] derivatives: Synthesis and optical properties. Journal of Polymer Science Part A, 2006, 44, 2307-2315.	2.3	7
86	Terpyridine-substituted, fluorescent polymers and their chelation with zinc ion: The ligand-to-metal ratio and optical properties. Journal of Polymer Science Part A, 2006, 44, 2338-2345.	2.3	19
87	Photophysical and Electroluminescent Properties of Hyperbranched Polyfluorenes. Macromolecular Chemistry and Physics, 2006, 207, 870-878.	2.2	41
88	Blue-emitting poly(1,3-phenylenevinylene) derivatives: Effect of substitution patterns on optical properties. Journal of Polymer Science Part A, 2005, 43, 2800-2809.	2.3	4
89	Aggregation and Self-Assembly of Oligo(2,5-dialkoxy-1,4-phenyleneethynylene)]s:Â An Improved Probe To Study Inter- and Intramolecular Interaction. Macromolecules, 2005, 38, 517-520.	4.8	26
90	Impact of Cyano-Functional Group on Luminescence of Poly(m-phenylenevinylene) Derivatives: Its Dependence on Conjugation Length. ACS Symposium Series, 2005, , 76-89.	0.5	1

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91	Poly[(2-alkoxy-5-methyl-1,3-phenylene vinylene)-alt-(phenylene vinylene)] derivatives with different contents ofcis- andtrans-olefins: The effect of the olefin bond geometry and conjugation length on luminescence. Journal of Polymer Science Part A, 2004, 42, 303-316.	2.3	21
92	Green-emitting poly[(1,3-phenylenevinylene)-alt- (1,4-phenylenevinylene)]s: Effect of the substitution patterns on the optical properties. Journal of Polymer Science Part A, 2004, 42, 1820-1829.	2.3	8
93	Synthesis and luminescence of yellow/orange-emitting poly[tris(2,5-dihexyloxy-1,4-phenylenevinylene)-alt-(1,3-phenylenevinylene)]s. Journal of Polymer Science Part A, 2004, 42, 5853-5862.	2.3	15
94	A Highly Efficient Light-Emitting Poly{[5-(diphenylamino)-1,3-phenylenevinylene]-alt-(2,5-dihexyloxy-1,4-phenylenevinylene)}:Â Synthesis and Optical Properties. Macromolecules, 2004, 37, 3970-3972.	4.8	19
95	Poly[(1,4-phenylenevinylene)-alt-(1,3-phenylenevinylene)]s with different length of side chain: their synthesis and optical properties. Synthetic Metals, 2004, 144, 271-277.	3.9	12
96	Synthesis and optical properties of poly[(p-phenyleneethynylene)-alt-(m-phenyleneethynylene)]s. Synthetic Metals, 2004, 140, 43-48.	3.9	10
97	Blue-emitting poly[(m-phenylene vinylene)-alt-(o-phenylene vinylene)]s: The effect of regioregularity on the optical properties. Journal of Polymer Science Part A, 2003, 41, 2650-2658.	2.3	9
98	Yellow-light-emitting cyano-substituted poly[(1,3-phenylene vinylene)-alt-(1,4-phenylene vinylene)] derivative: Its synthesis and optical properties. Journal of Polymer Science Part A, 2003, 41, 3149-3158.	2.3	13
99	Green-Emitting PPEâ^'PPV Hybrid Polymers:Â Efficient Energy Transfer across them-Phenylene Bridge. Macromolecules, 2003, 36, 3848-3853.	4.8	40
100	Photoluminescence and Electroluminescence Study of Violet-Blue and Green Emitting Polymers and Their Blend. Macromolecules, 2003, 36, 7301-7307.	4.8	31
101	Effect of Iodine-Catalyzed Isomerization on the Optical Properties of Poly[(1,3-phenylenevinylene)-alt-(2,5-hexyloxy-1,4-phenylenevinylene)]s. Macromolecules, 2002, 35, 6055-6059.	4.8	26
102	Synthesis, Chain Rigidity, and Luminescent Properties of Poly[(1,3-phenyleneethynylene)-alt-tris(2,5-dialkoxy-1,4-phenyleneethynylene)]s. Macromolecules, 2002, 35, 7569-7574.	4.8	38
103	Green-Emitting Poly[(2-alkoxy-5-methyl-1,3-phenylenevinylene)-alt-(1,4-phenylenevinylene)s:Â Effect of Substitution Patterns on the Optical Properties. Macromolecules, 2002, 35, 3819-3824.	4.8	19
104	Blue-Emitting Soluble Poly(m-phenylenevinylene) Derivatives. Macromolecules, 2001, 34, 7300-7305.	4.8	79
105	A study on the vibrational structure of poly(phenylenevinylene)s via low-temperature UV-vis and fluorescence spectroscopy. Journal of Materials Chemistry, 2001, 11, 3078-3081.	6.7	11
106	Synthesis, Characterization and Luminescence of Poly[(m-phenylenevinylene)-alt-(1,4-dibutoxy-2,5-phenylenevinylene)] with Different Content ofcis-andtrans-Olefins. Macromolecules, 2001, 34, 6756-6760.	4.8	80
107	A Highly Luminescent Poly[(m-phenylenevinylene)-alt-(p-phenylenevinylene)] with Defined Conjugation Length and Improved Solubility. Macromolecules, 1999, 32, 3946-3950.	4.8	113
108	Regiocontrolled Synthesis of Poly[(p-phenylene ethynylene)-alt-(2,5-thienylene ethynylene)]s:Â Regioregularity Effect on Photoluminescence and Solution Properties.. Macromolecules, 1998, 31, 5740-5745.	4.8	17

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109	A Processible Poly(phenyleneethynylene) with Strong Photoluminescence:Â Synthesis and Characterization of Poly[(m-phenyleneethynylene)-alt- (p-phenyleneethynylene)]. Macromolecules, 1998, 31, 6730-6732.	4.8	80