

# Jian Chen

## List of Publications by Year in descending order

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99  
papers

3,221  
citations

136950

32  
h-index

175258

52  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclam-functionalized carbon dots sensor for sensitive and selective detection of copper(II) ion and sulfide anion in aqueous media and its imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 298-306.	7.8	201
2	Selective visualization of endogenous hypochlorous acid in zebrafish during lipopolysaccharide-induced acute liver injury using a polymer micelles-based ratiometric fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2018, 99, 318-324.	10.1	152
3	Two-photon fluorescent probe for lysosome-targetable hypochlorous acid detection within living cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2223-2231.	7.8	111
4	Amphiphilic BODIPY-Based Photoswitchable Fluorescent Polymeric Nanoparticles for Rewritable Patterning and Dual-Color Cell Imaging. <i>Macromolecules</i> , 2015, 48, 3500-3508.	4.8	91
5	<i>In vivo</i> imaging of hepatocellular nitric oxide using a hepatocyte-targeting fluorescent sensor. <i>Chemical Communications</i> , 2018, 54, 7231-7234.	4.1	90
6	Reversible fluorescence modulation of spiropyran-functionalized carbon nanoparticles. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3716.	5.5	86
7	A Core-Shell Nanoparticle Approach to Photoreversible Fluorescence Modulation of a Hydrophobic Dye in Aqueous Media. <i>Chemistry - A European Journal</i> , 2008, 14, 4851-4860.	3.3	83
8	Photoreversible Fluorescent Modulation of Nanoparticles via One-Step Miniemulsion Polymerization. <i>Small</i> , 2009, 5, 970-978.	10.0	81
9	Reversible fluorescence modulation through energy transfer with ABC triblock copolymer micelles as scaffolds. <i>Chemical Communications</i> , 2008, , 5580.	4.1	77
10	Self-Assembly of a Dual-Targeting and Self-Calibrating Ratiometric Polymer Nanoprobe for Accurate Hypochlorous Acid Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45822-45829.	8.0	75
11	Synthesis and Characterization of Novel Reversible Photoswitchable Fluorescent Polymeric Nanoparticles via One-Step Miniemulsion Polymerization. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3354-3362.	2.6	67
12	Colorimetric and ultra-sensitive fluorescence resonance energy transfer determination of H <sub>2</sub> O <sub>2</sub> and glucose by multi-functional Au nanoclusters. <i>Analyst</i> , 2014, 139, 1498.	3.5	66
13	Photoswitchable AIE nanoprobe for lysosomal hydrogen sulfide detection and reversible dual-color imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 340-347.	7.8	66
14	Photoreversible Fluorescence Modulation of a Rhodamine Dye by Supramolecular Complexation with Photosensitive Cyclodextrin. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7015-7018.	13.8	64
15	Design and Synthesis of FRET-Mediated Multicolor and Photoswitchable Fluorescent Polymer Nanoparticles with Tunable Emission Properties. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4354-4362.	2.6	64
16	Novel fluorescent polymeric nanoparticles for highly selective recognition of copper ion and sulfide anion in water. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 230-238.	7.8	59
17	Photoswitchable ultrahigh-brightness red fluorescent polymeric nanoparticles for information encryption, anti-counterfeiting and bioimaging. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11515-11521.	5.5	57
18	Polymer nanoparticle-based ratiometric fluorescent probe for imaging Hg <sup>2+</sup> ions in living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 818-824.	7.8	56

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19	From a Molecular Toolbox to a Toolbox for Photoswitchable Fluorescent Polymeric Nanoparticles. <i>Advanced Functional Materials</i> , 2018, 28, 1804759.	14.9	56
20	Dual photochromics-contained photoswitchable multistate fluorescent polymers for advanced optical data storage, encryption, and photowritable pattern. <i>Chemical Engineering Journal</i> , 2021, 425, 131557.	12.7	56
21	Recent Progress in Metal-Organic Framework (MOF) Based Luminescent Chemodosimeters. <i>Nanomaterials</i> , 2019, 9, 974.	4.1	52
22	Cross-Linking Induced Emission of Polymer Micelles for High-Contrast Visualization Level 3 Details of Latent Fingerprints. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 16746-16754.	8.0	49
23	Self-Assembled Fluorescent Bovine Serum Albumin Nanoprobes for Ratiometric pH Measurement inside Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9629-9634.	8.0	47
24	Ratiometric imaging of lysosomal hypochlorous acid enabled by FRET-based polymer dots. <i>Polymer Chemistry</i> , 2017, 8, 5795-5802.	3.9	47
25	Photoswitchable fluorescent polymeric nanoparticles for rewritable fluorescence patterning and intracellular dual-color imaging with AIE-based fluorogens as FRET donors. <i>Polymer Chemistry</i> , 2017, 8, 4849-4855.	3.9	46
26	Ratiometric fluorescent sensing of endogenous hypochlorous acid in lysosomes using AIE-based polymeric nanoprobe. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 1-8.	7.8	45
27	Study on the interaction between dihydromyricetin and bovine serum albumin by spectroscopic techniques. <i>Journal of Molecular Structure</i> , 2011, 985, 407-412.	3.6	44
28	A facile approach for cupric ion detection in aqueous media using polyethyleneimine/PMMA core-shell fluorescent nanoparticles. <i>Nanotechnology</i> , 2009, 20, 365502.	2.6	43
29	Fabrication and Physical Properties of Gelatin/Sodium Alginate/Hyaluronic Acid Composite Wound Dressing Hydrogel. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 318-325.	2.2	43
30	Study of the interaction between N-confused porphyrin and bovine serum albumin by fluorescence spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1329-1335.	3.9	41
31	One-pot fabrication of polymer nanoparticle-based chemosensors for Cu <sup>2+</sup> detection in aqueous media. <i>Polymer Chemistry</i> , 2013, 4, 2325.	3.9	41
32	Study on the interaction between salvianic acid A sodium and bovine serum albumin by spectroscopic methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1535-1539.	3.9	35
33	Synthesis and photochromic property of nanoparticles with spiropyran moieties via one-step miniemulsion polymerization. <i>Polymer Bulletin</i> , 2008, 61, 425-434.	3.3	34
34	Single-dye-doped fluorescent nanoprobe enables self-referenced ratiometric imaging of hypochlorous acid in lysosomes. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127299.	7.8	34
35	One-pot fabrication of amphiphilic photoswitchable thiophene-based fluorescent polymer dots. <i>Polymer Chemistry</i> , 2013, 4, 773-781.	3.9	33
36	Design and fabrication of fluorescence resonance energy transfer-mediated fluorescent polymer nanoparticles for ratiometric sensing of lysosomal pH. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 298-307.	9.4	32

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37	One-pot synthesis of amphiphilic reversible photoswitchable fluorescent nanoparticles and their fluorescence modulation properties. <i>Polymer Chemistry</i> , 2012, 3, 685.	3.9	31
38	Amplified Split Aptamer Sensor Delivered Using Block Copolymer Nanoparticles for Small Molecule Imaging in Living Cells. <i>ACS Sensors</i> , 2018, 3, 2526-2531.	7.8	30
39	Reversibly Photoswitchable Tristate Fluorescence within a Single Polymeric Nanoparticle. <i>Advanced Optical Materials</i> , 2021, 9, 2101227.	7.3	30
40	Rational design of ratiometric and lysosome-targetable AIE dots for imaging endogenous HClO in live cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 203-208.	5.9	29
41	A highly selective fluorescent and colorimetric chemosensor for Hg <sup>2+</sup> based on a new rhodamine derivative. <i>Analytical Methods</i> , 2016, 8, 1964-1967.	2.7	28
42	Red carbon dots as label-free two-photon fluorescent nanoprobe for imaging of formaldehyde in living cells and zebrafishes. <i>Chinese Chemical Letters</i> , 2020, 31, 759-763.	9.0	28
43	New insight into electropolymerization of melamine. I: Chloride promoted growth of polymelamine in different pH medium. <i>Electrochimica Acta</i> , 2018, 271, 312-318.	5.2	27
44	Engineering of a zero cross-talk fluorescent polymer nanoprobe for self-referenced ratiometric imaging of lysosomal hypochlorous acid in living cells. <i>Materials Chemistry Frontiers</i> , 2020, 4, 862-868.	5.9	26
45	Construction of Energy Transfer Systems within Nanosized Polymer Micelles and their Fluorescence Modulation Properties. <i>ChemPhysChem</i> , 2010, 11, 1036-1043.	2.1	25
46	Gold nanocluster-based light-controlled fluorescence molecular switch. <i>Journal of Materials Chemistry</i> , 2011, 21, 5867.	6.7	25
47	Selective visualization of endogenous hydrogen sulfide in lysosomes using aggregation induced emission dots. <i>Polymer Chemistry</i> , 2017, 8, 7271-7278.	3.9	25
48	A silica nanoparticle-based dual-responsive ratiometric probe for visualizing hypochlorite and temperature with distinct fluorescence signals. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 533-541.	7.8	25
49	A New Design Strategy for the Synthesis of Unsubstituted Polythiophene with Defined High Molecular Weight. <i>Macromolecules</i> , 2012, 45, 5108-5113.	4.8	24
50	One-pot fabrication of FRET-based fluorescent probe for detecting copper ion and sulfide anion in 100% aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 177, 63-68.	3.9	24
51	A near-infrared fluorescent sensor with large Stokes shift for rapid and highly selective detection of thiophenols in water samples and living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2001-2009.	3.7	23
52	Recent Progress in the Development of Fluorescent Probes for Thiophenol. <i>Molecules</i> , 2019, 24, 3716.	3.8	22
53	Synthesis of Star-shaped Poly( $\epsilon$ -caprolactone)- <i>b</i> -Poly(styrene) Block Copolymer by Combining Ring-opening Polymerization and Atom Transfer Radical Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1247-1257.	2.2	21
54	Real-time monitoring of endogenous cysteine levels in living cells using a CD-based ratiometric fluorescent nanoprobe. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4379-4386.	3.7	21

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55	Switchable single fluorescent polymeric nanoparticles for stable white-light generation. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9897-9902.	5.5	21
56	Mitochondria-targeted fluorescent probe based on vibration-induced emission for real-time monitoring mitophagy-specific viscosity dynamic. <i>Chinese Chemical Letters</i> , 2020, 31, 2897-2902.	9.0	20
57	Room temperature Zinc-metallation of cationic porphyrin at graphene surface and enhanced photoelectrocatalytic activity. <i>Applied Surface Science</i> , 2018, 434, 756-762.	6.1	19
58	Redox-responsive Pickering emulsion derived from the fabricated sheddable polymeric micelles. <i>Polymer</i> , 2018, 158, 1-9.	3.8	19
59	Influence of Nano-Bioactive Glass (NBG) Content on Properties of Gelatin-Hyaluronic Acid/NBG Composite Scaffolds. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1145-1155.	1.0	18
60	An AIE fluorescent probe with a naphthalimide derivative and its application for detection of hypochlorite and imaging inside living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117760.	3.9	18
61	Chemomechanical-force-induced folding/unfolding directly controls distinct fluorescence dual-color switching. <i>Chemical Communications</i> , 2017, 53, 4993-4996.	4.1	17
62	Selective ratiometric fluorescence detection of hypochlorite by using aggregation-induced emission dots. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1979-1988.	3.7	17
63	Synthesis and Characterization of a novel star shaped Rod-Coil Block Copolymer. <i>Polymer Bulletin</i> , 2004, 52, 401-408.	3.3	16
64	Block copolymer nanoparticles-based fluorescent sensor for ultrasensitive detection of tyrosinase activity and inhibitor. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126935.	7.8	14
65	A rational design of a cancer-specific and lysosome-targeted fluorescence nanoprobe for glutathione imaging in living cells. <i>Materials Advances</i> , 2020, 1, 1739-1744.	5.4	14
66	Preparation and application of multi-wavelength-regulated multi-state photoswitchable fluorescent polymer nanoparticles. <i>Dyes and Pigments</i> , 2022, 197, 109919.	3.7	14
67	Photo-pH dual stimuli-responsive multicolor fluorescent polymeric nanoparticles for multicolor security ink, optical data encryption and zebrafish imaging. <i>Dyes and Pigments</i> , 2022, 205, 110588.	3.7	14
68	Study on the electrodisolution and roughening of a palladium electrode in chloride containing solutions. <i>Journal of Electroanalytical Chemistry</i> , 2011, 660, 80-84.	3.8	13
69	<i>In Vivo</i> Monitoring of pH in Subacute PD Mouse Brains with a Ratiometric Electrochemical Microsensor Based on Poly(melamine) Films. <i>ACS Sensors</i> , 2022, 7, 235-244.	7.8	12
70	The investigation of the interaction between edaravone and bovine serum albumin by spectroscopic approaches. <i>Journal of Luminescence</i> , 2011, 131, 1510-1514.	3.1	11
71	A novel naphthofluorescein-based probe for ultrasensitive point-of-care testing of zinc(II) ions and its bioimaging in living cells and zebrafishes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117949.	3.9	11
72	Photoreversible Fluorescence Modulation of a Rhodamine Dye by Supramolecular Complexation with Photosensitive Cyclodextrin. <i>Angewandte Chemie</i> , 2007, 119, 7145-7148.	2.0	10

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73	Fabrication of Novel Polymer Nanoparticle-Based Fluorescence Resonance Energy Transfer Systems and their Tunable Fluorescence Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 219-226.	2.2	10
74	Nonequilibrium Transesterification for Programming a Material's Stiffening. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3227-3232.	4.4	10
75	Folding fluorescent probes for self-reporting transesterification in dynamic polymer networks. <i>Materials Horizons</i> , 2021, 8, 1481-1487.	12.2	10
76	Photochromic RAFT reagent helps construct superior photoswitchable fluorescent polymer nanoparticles for rewritable fluorescence patterning and intracellular dual-color imaging. <i>Polymer Chemistry</i> , 2017, 8, 6520-6526.	3.9	9
77	A water-soluble fluorescent probe for detecting creatinine in totally aqueous media and imaging exogenous creatinine in living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2545-2553.	3.7	9
78	A ratiometric fluorescent probe for the quantitative detection of styrene in air. <i>Chemical Communications</i> , 2020, 56, 13037-13039.	4.1	9
79	Zero-crosstalk and color-specific photoswitching of dual-emissive polymer nanoparticles for multiple applications. <i>Dyes and Pigments</i> , 2021, 191, 109370.	3.7	9
80	Cellular and mitochondrial dual-targeted nanoprobe with near-infrared emission for activatable tumor imaging and photodynamic therapy. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130451.	7.8	9
81	Aptamer functionalization and high-contrast reversible dual-color photoswitching fluorescence of polymeric nanoparticles for latent fingerprints imaging. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132049.	7.8	9
82	Electroanalytical Sensors and Methods for Assays and Studies of Neurological Biomarkers. <i>Electroanalysis</i> , 2014, 26, 1236-1248.	2.9	8
83	Rational design of a HA-AuNPs@AIED nanoassembly for activatable fluorescence detection of HAase and imaging in tumor cells. <i>Analytical Methods</i> , 2021, 13, 2030-2036.	2.7	8
84	Modulation of Fluorescence of a Terbium-Complex-Containing Polymer by Gold Nanoparticles through Energy Transfer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2007, 17, 679-685.	3.7	7
85	Biocompatibility <i>In-vitro</i> of Gel/HA Composite Scaffolds Containing Nano-Bioactive Glass for Tissue Engineering. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 1048-1053.	2.2	7
86	Preparation of Fluorescence Tunable Polymer Nanoparticles by One-step Mini-emulsion. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 1135-1141.	2.2	6
87	Fabrication of Water-soluble Fluorescent Polymeric Micelles for Selective Detection of Hg <sup>2+</sup> in Blood Serum. <i>Analytical Sciences</i> , 2017, 33, 591-597.	1.6	6
88	Spherulite Formation of Lipophilic Surfactant Induced by Noncrystalline Amphiphilic Diblock Copolymer. <i>Crystal Growth and Design</i> , 2008, 8, 4589-4595.	3.0	5
89	Perylene diimide-based supramolecular polymer with temperature-sensitive ratiometric fluorescence responsiveness in solution and gels. <i>Materials Advances</i> , 2020, 1, 1330-1336.	5.4	5
90	Fabrication of Novel Reversible Photoswitchable Fluorescent Nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 637-643.	2.2	4

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91	Dual function of Eosin Y in miniemulsion polymerization: Stabilizer and FRET acceptor. <i>European Polymer Journal</i> , 2020, 134, 109862.	5.4	4
92	New insight into electropolymerization of melamine. II: Low onset potential deposition of polymelamine with trace active bromine. <i>Electrochimica Acta</i> , 2022, 410, 139991.	5.2	3
93	Light-Induced Anisotropy in Azobenzene Doped Copolymer Films. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 268-273.	2.2	2
94	Spectroscopic investigation of the interaction between diperoxovanadate complexes and benzimidazole-like ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 816-820.	3.9	2
95	Synthesis of Cholestan -3-One Derivatives Possessing a C-2 Spiro-Oxindole Substituent. <i>Journal of Chemical Research</i> , 2018, 42, 15-19.	1.3	2
96	The synthesis and preliminary cytotoxicity evaluation of hexahydrodispiro[indole-3,3'-indolizine-2,3'-piperidine]-2(1H),4'-dione compounds. <i>Journal of Chemical Research</i> , 2019, 43, 287-292.	1.3	1
97	Photodegradation of Cationic and Anionic Dyes by pH-Dependent Dispersion of Amphoteric g-C <sub>3</sub> N <sub>4</sub> Nanosheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6215-6221.	0.9	1
98	One-pot preparation of multicolor polymeric nanoparticles with high brightness by single wavelength excitation. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	0
99	Effect of Supra-Molecular Interaction on the Intramolecular Proton Transfer of 2-(2-Aminophenyl)benzothiazole. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2016, 32, 624-630.	4.9	0