

# Fengling Song

## List of Publications by Year in descending order

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94  
papers

5,300  
citations

109321

35  
h-index

85541

71  
g-index

95  
all docs

95  
docs citations

95  
times ranked

6036  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heptamethine Cyanine Dyes with a Large Stokes Shift and Strong Fluorescence: A Paradigm for Excited-State Intramolecular Charge Transfer. <i>Journal of the American Chemical Society</i> , 2005, 127, 4170-4171.	13.7	506
2	Fluorescence Ratiometry and Fluorescence Lifetime Imaging: Using a Single Molecular Sensor for Dual Mode Imaging of Cellular Viscosity. <i>Journal of the American Chemical Society</i> , 2011, 133, 6626-6635.	13.7	375
3	Thermally Activated Delayed Fluorescence of Fluorescein Derivative for Time-Resolved and Confocal Fluorescence Imaging. <i>Journal of the American Chemical Society</i> , 2014, 136, 9590-9597.	13.7	275
4	A Highly Sensitive Fluorescent Sensor for Palladium Based on the Allylic Oxidative Insertion Mechanism. <i>Journal of the American Chemical Society</i> , 2007, 129, 12354-12355.	13.7	254
5	Fluorescent Nanosensors Based on Fluorescence Resonance Energy Transfer (FRET). <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 11228-11245.	3.7	236
6	Oxidation-Resistant Fluorogenic Probe for Mercury Based on Alkyne Oxymercuration. <i>Journal of the American Chemical Society</i> , 2008, 130, 16460-16461.	13.7	206
7	A Ratiometric Near-Infrared Fluorescent Probe for Hydrazine and Its <i>in Vivo</i> Applications. <i>Organic Letters</i> , 2013, 15, 4022-4025.	4.6	204
8	A Fluorescent Ratiometric Chemodosimeter for Cu <sup>2+</sup> Based on TBET and Its Application in Living Cells. <i>Organic Letters</i> , 2013, 15, 492-495.	4.6	154
9	Enhancement of a Catalysis-Based Fluorometric Detection Method for Palladium through Rational Fine-Tuning of the Palladium Species. <i>Journal of the American Chemical Society</i> , 2009, 131, 5163-5171.	13.7	152
10	FRET spectral unmixing: a ratiometric fluorescent nanoprobe for hypochlorite. <i>Chemical Communications</i> , 2012, 48, 2949.	4.1	143
11	Nitroreductase-Activatable Theranostic Molecules with High PDT Efficiency under Mild Hypoxia Based on a TADF Fluorescein Derivative. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15426-15435.	8.0	118
12	Ratiometric Detection of Viscosity Using a Two-Photon Fluorescent Sensor. <i>Chemistry - A European Journal</i> , 2013, 19, 1548-1553.	3.3	113
13	Fluorescent Probes for Pd <sup>2+</sup> Detection by Allylidene-Hydrazone Ligands with Excellent Selectivity and Large Fluorescence Enhancement. <i>Chemistry - A European Journal</i> , 2010, 16, 12349-12356.	3.3	105
14	A BODIPY-based fluorescent dye for mitochondria in living cells, with low cytotoxicity and high photostability. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 555-558.	2.8	103
15	An Effective Minor Groove Binder as a Red Fluorescent Marker for Live-Cell DNA Imaging and Quantification. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4180-4183.	13.8	102
16	A novel fluorescent sensor for detection of highly reactive oxygen species, and for imaging such endogenous hROS in the mitochondria of living cells. <i>Analyst</i> , 2013, 138, 775-778.	3.5	97
17	A near-infrared heptamethine aminocyanine dye with a long-lived excited triplet state for photodynamic therapy. <i>Chemical Communications</i> , 2018, 54, 9198-9201.	4.1	94
18	Recent advances of redox-responsive nanoplatfoms for tumor theranostics. <i>Journal of Controlled Release</i> , 2021, 332, 269-284.	9.9	79

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19	Syntheses, spectral properties and photostabilities of novel water-soluble near-infrared cyanine dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 168, 53-57.	3.9	74
20	The use of a near-infrared RNA fluorescent probe with a large Stokes shift for imaging living cells assisted by the macrocyclic molecule CB7. <i>Biomaterials</i> , 2013, 34, 6473-6481.	11.4	71
21	A versatile fluorescent probe for imaging viscosity and hypochlorite in living cells. <i>Dyes and Pigments</i> , 2016, 125, 89-94.	3.7	71
22	An unexpected strategy to alleviate hypoxia limitation of photodynamic therapy by biotinylation of photosensitizers. <i>Nature Communications</i> , 2022, 13, 2225.	12.8	69
23	Construction of Long-Wavelength Fluorescein Analogues and Their Application as Fluorescent Probes. <i>Chemistry - A European Journal</i> , 2013, 19, 6538-6545.	3.3	65
24	Large fluorescence enhancement of a hemicyanine by supramolecular interaction with cucurbit[6]uril and its application as resettable logic gates. <i>Dyes and Pigments</i> , 2012, 93, 1401-1407.	3.7	64
25	Thermally activated delayed fluorescence molecules and their new applications aside from OLEDs. <i>Chinese Chemical Letters</i> , 2019, 30, 1717-1730.	9.0	57
26	Highly Sensitive and Fast-Responsive Fluorescent Chemosensor for Palladium: Reversible Sensing and Visible Recovery. <i>Chemistry - A European Journal</i> , 2012, 18, 12242-12250.	3.3	52
27	A near-infrared and ratiometric fluorescent chemosensor for palladium. <i>Analyst</i> , 2013, 138, 3667.	3.5	52
28	Studies Toward an Ideal Fluorescence Method to Measure Palladium in Functionalized Organic Molecules: Effects of Sodium Borohydride, Temperature, Phosphine Ligand, and Phosphate Ions on Kinetics. <i>Chemistry - A European Journal</i> , 2010, 16, 13500-13508.	3.3	51
29	Recent Development of Porous Porphyrin-based Nanomaterials for Photocatalysis. <i>ChemCatChem</i> , 2021, 13, 140-152.	3.7	48
30	Constructing a Local Hydrophobic Cage in Dye-Doped Fluorescent Silica Nanoparticles to Enhance the Photophysical Properties. <i>ACS Central Science</i> , 2020, 6, 747-759.	11.3	47
31	Recent Development of Photothermal Agents (PTAs) Based on Small Organic Molecular Dyes. <i>ChemBioChem</i> , 2020, 21, 2098-2110.	2.6	45
32	Red-to-blue photon up-conversion with high efficiency based on a TADF fluorescein derivative. <i>Chemical Communications</i> , 2019, 55, 4375-4378.	4.1	41
33	A turn-on and colorimetric metal-free long lifetime fluorescent probe and its application for time-resolved luminescent detection and bioimaging of cysteine. <i>RSC Advances</i> , 2015, 5, 53660-53664.	3.6	39
34	Improving the brightness and photostability of NIR fluorescent silica nanoparticles through rational fine-tuning of the covalent encapsulation methods. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5278-5283.	5.8	37
35	Bimodal Phosphorescence-Magnetic Resonance Imaging Nanoprobes for Glutathione Based on MnO <sub>2</sub> Nanosheet-Ru(II) Complex Nanoarchitecture. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27681-27691.	8.0	37
36	A FRET chemosensor for hypochlorite with large Stokes shifts and long-lifetime emissions. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 958-965.	7.8	36

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37	A Dual-Enzyme-Catalyzed Cascade Reactor for Enhanced Photodynamic Oncotherapy against Tumor Hypoxia. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101049.	7.6	36
38	A nitroreductase-activatable near-infrared theranostic photosensitizer for photodynamic therapy under mild hypoxia. <i>Chemical Communications</i> , 2020, 56, 5819-5822.	4.1	36
39	Tuning the photoinduced electron transfer in near-infrared heptamethine cyanine dyes. <i>Tetrahedron Letters</i> , 2005, 46, 4817-4820.	1.4	35
40	Bright and stable Cy3-encapsulated fluorescent silica nanoparticles with a large Stokes shift. <i>Dyes and Pigments</i> , 2012, 93, 1532-1537.	3.7	35
41	Red-Emissive Fluorescein Derivatives and Detection of Bovine Serum Albumin. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 145-149.	2.7	35
42	The Use of 3,5,4-Tri-O-acetylresveratrol as a Potential Prodrug for Resveratrol Protects Mice from $\beta$ -Irradiation-Induced Death. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 270-274.	2.8	33
43	MicroRNA-322 inhibits inflammatory cytokine expression and promotes cell proliferation in LPS-stimulated murine macrophages by targeting NF- $\kappa$ B1 (p50). <i>Bioscience Reports</i> , 2017, 37, .	2.4	33
44	Knockdown of long noncoding RNA urothelial carcinoma associated 1 inhibits colorectal cancer cell proliferation and promotes apoptosis via modulating autophagy. <i>Journal of Cellular Physiology</i> , 2019, 234, 7420-7434.	4.1	33
45	Anti-photobleaching cyanine-based nanoparticles with simultaneous PET and ACQ effects for improved tumor photothermal therapy. <i>Chemical Engineering Journal</i> , 2022, 432, 134355.	12.7	33
46	Development of an oxidative dehydrogenation-based fluorescent probe for Cu <sup>2+</sup> and its biological imaging in living cells. <i>Analytica Chimica Acta</i> , 2012, 735, 107-113.	5.4	32
47	Recent development of amorphous metal coordination polymers for cancer therapy. <i>Acta Biomaterialia</i> , 2020, 116, 16-31.	8.3	30
48	Enhanced Thermally Activated Delayed Fluorescence in New Fluorescein Derivatives By Introducing Aromatic Carbonyl Groups. <i>ChemPhotoChem</i> , 2017, 1, 79-83.	3.0	29
49	A dual-targeted theranostic photosensitizer based on a TADF fluorescein derivative. <i>Journal of Controlled Release</i> , 2019, 310, 1-10.	9.9	29
50	Self-assembly of amphiphilic peptides to construct activatable nanophotosensitizers for theranostic photodynamic therapy. <i>Chinese Chemical Letters</i> , 2021, 32, 3903-3906.	9.0	28
51	Di/mono-nuclear iron(i)/(ii) complexes as functional models for the 2Fe2S subunit and distal Fe moiety of the active site of [FeFe] hydrogenases: protonations, molecular structures and electrochemical properties. <i>Dalton Transactions</i> , 2012, 41, 12064.	3.3	27
52	Open-Source and Reduced-Expenditure Nanosystem with ROS Self-Amplification and Glutathione Depletion for Simultaneous Augmented Chemodynamic/Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 20682-20692.	8.0	27
53	Scalable and Concise Synthesis of Dichlorofluorescein Derivatives Displaying Tissue Permeation in Live Zebrafish Embryos. <i>ChemBioChem</i> , 2008, 9, 214-218.	2.6	25
54	A turn-on fluorescent probe for Au <sup>3+</sup> based on rodamine derivative and its bioimaging application. <i>Science China Chemistry</i> , 2014, 57, 1043-1047.	8.2	25

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55	Three-in-One Functional Silica Nanocarrier with Singlet Oxygen Generation, Storage/Release, and Self-Monitoring for Enhanced Fractional Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25750-25757.	8.0	24
56	Mechanism and Nature of the Different Viscosity Sensitivities of Hemicyanine Dyes with Various Heterocycles. <i>ChemPhysChem</i> , 2013, 14, 1601-1608.	2.1	23
57	Fine-tailoring the linker of near-infrared fluorescence probes for nitroreductase imaging in hypoxic tumor cells. <i>Chinese Chemical Letters</i> , 2017, 28, 1997-2000.	9.0	22
58	Achieving long-lived thermally activated delayed fluorescence in the atmospheric aqueous environment by nano-encapsulation. <i>Chemical Communications</i> , 2019, 55, 14522-14525.	4.1	21
59	A turn-on TADF chemosensor for sulfite with a microsecond-scale luminescence lifetime. <i>Chemical Communications</i> , 2020, 56, 10549-10551.	4.1	21
60	A novel fluorescent sensor for triplex DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 255-257.	2.2	20
61	Influence of Calcination Temperature on the Stability of Fluorinated Nanosized HZSM-5 in the Methylation of Biphenyl. <i>Catalysis Letters</i> , 2006, 107, 209-214.	2.6	19
62	Interaction of Cy3 dye with CCG and its application for BSA detection. <i>Journal of Materials Chemistry B</i> , 2013, 1, 693-697.	5.8	19
63	Rational design of a visible-light photochromic diarylethene: a simple strategy by extending conjugation with electron donating groups. <i>Science China Chemistry</i> , 2019, 62, 451-459.	8.2	19
64	Enhancing Intersystem Crossing to Achieve Thermally Activated Delayed Fluorescence in a Water-Soluble Fluorescein Derivative with a Flexible Propenyl Group. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5692-5698.	4.6	18
65	Preparation and folic acid conjugation of fluorescent polymer nanoparticles for cancer cell targeting. <i>Journal of Materials Chemistry</i> , 2012, 22, 16078.	6.7	17
66	Smart Bimodal Imaging of Hypochlorous Acid In Vivo Using a Heterobimetallic Ruthenium(II)-Gadolinium(III) Complex Probe. <i>Analytical Chemistry</i> , 2020, 92, 11145-11154.	6.5	17
67	Photothermal agents based on small organic fluorophores with intramolecular motion. <i>Acta Biomaterialia</i> , 2022, 149, 16-29.	8.3	17
68	Synthesis and ECL performance of highly efficient bimetallic ruthenium tris-bipyridyl complexes. <i>Dalton Transactions</i> , 2012, 41, 12434.	3.3	16
69	Ratiometric fluorescent probe based on novel red-emission BODIPY for determination of bovine serum albumin. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 738-742.	2.6	16
70	Self-Assembled Platinum Supramolecular Metallacycles Based on a Novel TADF Photosensitizer for Efficient Cancer Photochemotherapy. <i>Molecular Pharmaceutics</i> , 2021, 18, 1229-1237.	4.6	16
71	Liposome-Based Nanoencapsulation of a Mitochondria-Targeting Photosensitizer for Efficient Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12050-12058.	8.0	16
72	Constructing of Dyes Suitable for Eco-friendly Dyeing Wool Fibers in Supercritical Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16726-16733.	6.7	15

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73	BOPHY-Based Aggregation-Induced-Emission Nanoparticle Photosensitizers for Photodynamic Therapy. ACS Applied Nano Materials, 2021, 4, 6012-6019.	5.0	15
74	A New Tridentate Sulfur Receptor as a Highly Sensitive and Selective Fluorescent Sensor for Cu <sup>2+</sup> Ions. Chemistry - an Asian Journal, 2013, 8, 2762-2767.	3.3	14
75	The mechanism of different sensitivity of meso-substituted and unsubstituted cyanine dyes in rotation-restricted environments for biomedical imaging applications. RSC Advances, 2014, 4, 13385.	3.6	11
76	Porphyrin-based metal coordination polymers with self-assembly pathway-dependent properties for photodynamic and photothermal therapy. Biomaterials Science, 2021, 9, 2533-2541.	5.4	11
77	Asymmetric trimethine 3H-indocyanine dyes: efficient synthesis and protein labeling. Organic and Biomolecular Chemistry, 2010, 8, 4249.	2.8	9
78	A Highly Sensitive Fluorescent Chemosensor for Ruthenium: Oxidation Plays a Triple Role. Chemistry - A European Journal, 2013, 19, 10115-10118.	3.3	9
79	Interaction study on DNA, single-wall carbon nanotubes and acridine orange. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 887-891.	3.5	8
80	Extending the Legible Time of Light-Responsive Rewritable Papers with a Tunable Photochromic Diarylethene Molecule. ACS Applied Materials & Interfaces, 2021, 13, 51414-51425.	8.0	7
81	The Second Excited Triplet State Facilitates TADF and Triplet-Triplet Annihilation Photon Upconversion via a Thermally Activated Reverse Internal Conversion. Advanced Optical Materials, 2022, 10, .	7.3	7
82	Synthesis of Noble Metal M@YSiO <sub>2</sub> Yolk-Shell Nanoparticles with Thin Organic/Inorganic Hybrid Outer Shells via an Aqueous Medium Phase. Langmuir, 2021, 37, 7237-7245.	3.5	6
83	Long-wavelength chromophores with thermally activated delayed fluorescence based on fluorescein derivatives. Journal of Photonics for Energy, 2018, 8, 1.	1.3	6
84	Synthesis of substrate analogues as potential inhibitors for Mycobacterium tuberculosis enzyme MshC. Carbohydrate Research, 2017, 453-454, 10-18.	2.3	5
85	Uniparental Disomy of Chromosome 15 in Two Cases by Chromosome Microarray: A Lesson Worth Thinking. Cytogenetic and Genome Research, 2017, 152, 1-8.	1.1	5
86	A Novel D <sup>+</sup> Photosensitizer for Efficient NIR Imaging and Photodynamic Therapy. ChemBioChem, 2021, 22, 2161-2167.	2.6	5
87	Naphthofluorescein-based organic nanoparticles with superior stability for near-infrared photothermal therapy. Nanoscale, 2022, 14, 10051-10059.	5.6	4
88	Chromosome r(3)(p25.3q29) in a Patient with Developmental Delay and Congenital Heart Defects: A Case Report and a Brief Literature Review. Cytogenetic and Genome Research, 2016, 148, 6-13.	1.1	2
89	Au@mSiO <sub>2</sub> core-shell nanoparticles loaded with fluorescent dyes: synthesis and application for imaging performance. Dalton Transactions, 2021, 50, 5624-5631.	3.3	2
90	O-atom effect on the dynamic balance between redox-induced viologen derivative radical and its dimer modulated by cucurbit[8]uril. Supramolecular Chemistry, 2013, 25, 401-408.	1.2	1

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91	Synthesis of Naphthalimine-derived Dye and Its Applications in Fluorescent Imaging and Dyeing Surgical Suture Materials. <i>ChemistrySelect</i> , 2018, 3, 3345-3350.	1.5	1
92	Fe/Mn-Porphyrin Coordination Polymer Nanoparticles for Magnetic Resonance Imaging (MRI) Guided Combination Therapy between Photodynamic Therapy and Chemodynamic Therapy. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
93	A turn-on fluorescent probe for palladium(II) detection with a large Stokes shift and lysosomes-targeting ability. <i>Tetrahedron Letters</i> , 2022, , 153932.	1.4	1
94	A Novel Fluorescent Sensor for Triplex DNA. <i>ChemInform</i> , 2005, 36, no.	0.0	0