

# Weimin Liu

## List of Publications by Year in descending order

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110  
papers

9,756  
citations

61857

43  
h-index

34900

98  
g-index

111  
all docs

111  
docs citations

111  
times ranked

12162  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot synthesis and applications of two asymmetrical benzoxanthene dyes. <i>Dyes and Pigments</i> , 2022, 200, 110152.	2.0	2
2	Iron phthalocyanine-derived nanozyme as dual reactive oxygen species generation accelerator for photothermally enhanced tumor catalytic therapy. <i>Biomaterials</i> , 2022, 284, 121495.	5.7	34
3	A rhodamine derivative-based fluorescent probe for visual monitoring of pH changes in the Golgi apparatus. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131963.	4.0	13
4	A ratiometric fluorescent probe for detection of $\gamma$ -glutamyl transpeptidase in blood serum and living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121325.	2.0	4
5	New Xanthene Dyes with NIR Emission Beyond 1200 nm for Efficient Tumor Angiography and Photothermal Therapy. <i>Small</i> , 2022, 18, .	5.2	8
6	Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials. <i>Chemical Communications</i> , 2021, 57, 4902-4905.	2.2	27
7	Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR Photothermal Anti-Bacterial Therapy. <i>Angewandte Chemie</i> , 2021, 133, 11864-11868.	1.6	16
8	Ultrasound-Enhanced Self-Exciting Photodynamic Therapy Based on Hypocrellin B. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1221-1224.	1.7	3
9	Self-Assembly of Amphiphilic Porphyrins To Construct Nanoparticles for Highly Efficient Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2021, 27, 11195-11204.	1.7	8
10	Amphiphilic Diketopyrrolopyrrole Derivatives for Efficient Near-Infrared Fluorescence Imaging and Photothermal Therapy. <i>ACS Omega</i> , 2021, 6, 26575-26582.	1.6	8
11	A novel hypocrellin-based assembly for sonodynamic therapy against glioblastoma. <i>Journal of Materials Chemistry B</i> , 2021, 10, 57-63.	2.9	9
12	Hypocrellin Derivative-Loaded Calcium Phosphate Nanorods as NIR Light-Triggered Phototheranostic Agents with Enhanced Tumor Accumulation for Cancer Therapy. <i>ChemMedChem</i> , 2020, 15, 177-181.	1.6	10
13	Recent advances in theranostic agents based on natural products for photodynamic and sonodynamic therapy. <i>View</i> , 2020, 1, 20200090.	2.7	31
14	A two-photon fluorescent probe for sensitive detection and imaging of $\gamma$ -glutamyl transpeptidase. <i>Chemical Communications</i> , 2020, 56, 10902-10905.	2.2	22
15	Near-Infrared Hypocrellin Derivatives for Synergistic Photodynamic and Photothermal Therapy. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3462-3468.	1.7	12
16	Hypocrellin-Based Multifunctional Phototheranostic Agent for NIR-Triggered Targeted Chemo/Photodynamic/Photothermal Synergistic Therapy against Glioblastoma. <i>ACS Applied Bio Materials</i> , 2020, 3, 3817-3826.	2.3	18
17	Photosensitizers for Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900132.	3.9	637
18	Biodegradable Natural Product-Based Nanoparticles for Near-Infrared Fluorescence Imaging-Guided Sonodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18178-18185.	4.0	55

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19	Pheophytin Derived Near-Infrared-Light Responsive Carbon Dot Assembly as a New Phototheranotic Agent for Bioimaging and Photodynamic Therapy. Chemistry - an Asian Journal, 2019, 14, 2162-2168.	1.7	47
20	Natural-Origin Hypocrellin-HSA Assembly for Highly Efficient NIR Light-Responsive Phototheranostics against Hypoxic Tumors. ACS Applied Materials & Interfaces, 2019, 11, 44989-44998.	4.0	27
21	Red emissive fluorescent probe for the rapid detection of selenocysteine. Sensors and Actuators B: Chemical, 2018, 264, 234-239.	4.0	15
22	Cancer Therapy: A Magnetofluorescent Carbon Dot Assembly as an Acidic H <sub>2</sub> O <sub>2</sub> -Driven Oxygenerator to Regulate Tumor Hypoxia for Simultaneous Bimodal Imaging and Enhanced Photodynamic Therapy (Adv. Mater. 13/2018). Advanced Materials, 2018, 30, 1870093.	11.1	3
23	A Magnetofluorescent Carbon Dot Assembly as an Acidic H <sub>2</sub> O <sub>2</sub> -Driven Oxygenerator to Regulate Tumor Hypoxia for Simultaneous Bimodal Imaging and Enhanced Photodynamic Therapy. Advanced Materials, 2018, 30, e1706090.	11.1	385
24	High sensitivity gram-negative bacteria biosensor based on a small-molecule modified surface plasmon resonance chip studied using a laser scanning confocal imaging-surface plasmon resonance system. Sensors and Actuators B: Chemical, 2018, 259, 492-497.	4.0	15
25	PEGylated carbon dot/MnO <sub>2</sub> nanohybrid: a new pH/H <sub>2</sub> O <sub>2</sub> -driven, turn-on cancer nanotheranostics. Science China Materials, 2018, 61, 1325-1338.	3.5	44
26	Biodegradable hypocrellin derivative nanovesicle as a near-infrared light-driven theranostic for dually photoactive cancer imaging and therapy. Biomaterials, 2018, 185, 133-141.	5.7	54
27	A colorimetric and ratiometric fluorescent probe for highly selective detection of glutathione in the mitochondria of living cells. Sensors and Actuators B: Chemical, 2018, 270, 459-465.	4.0	39
28	New detection method for nucleoside triphosphates based on carbon dots: The distance-dependent singlet oxygen trapping. Analytica Chimica Acta, 2018, 1031, 145-151.	2.6	10
29	Coumarin/fluorescein-fused fluorescent dyes for rapidly monitoring mitochondrial pH changes in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 590-597.	2.0	31
30	Synthesis of carbon dots from Hypocrella bambusae for bimodal fluorescence/photoacoustic imaging-guided synergistic photodynamic/photothermal therapy of cancer. Journal of Colloid and Interface Science, 2018, 526, 302-311.	5.0	105
31	Coumarin-Based Boron Complexes with Aggregation-Induced Emission. Journal of Organic Chemistry, 2017, 82, 3456-3462.	1.7	58
32	Water-Soluble Polythiophene for Two-Photon Excitation Fluorescence Imaging and Photodynamic Therapy of Cancer. ACS Applied Materials & Interfaces, 2017, 9, 14590-14595.	4.0	49
33	Biocompatible Iron Phthalocyanine-Albumin Assemblies as Photoacoustic and Thermal Theranostics in Living Mice. ACS Applied Materials & Interfaces, 2017, 9, 21124-21132.	4.0	59
34	Dual-Emission Channels for Simultaneous Sensing of Cysteine and Homocysteine in Living Cells. Chemistry - an Asian Journal, 2017, 12, 2098-2103.	1.7	21
35	Single Near-Infrared Emissive Polymer Nanoparticles as Versatile Phototheranostics. Advanced Science, 2017, 4, 1700085.	5.6	53
36	Self-Assembled Carbon Dot Nanosphere: A Robust, Near-Infrared Light-Responsive, and Vein Injectable Photosensitizer. Advanced Healthcare Materials, 2017, 6, 1601419.	3.9	41

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37	Polymer nanoparticles with high photothermal conversion efficiency as robust photoacoustic and thermal theranostics. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2832-2839.	2.9	37
38	Versatile Polymer Nanoparticles as Two-Photon-Triggered Photosensitizers for Simultaneous Cellular, Deep-Tissue Imaging, and Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601431.	3.9	35
39	Near-Infrared Probe Based on Rhodamine Derivative for Highly Sensitive and Selective Lysosomal pH Tracking. <i>Analytical Chemistry</i> , 2017, 89, 1922-1929.	3.2	134
40	Ethylene glycol-mediated synthetic route for production of luminescent silicon nanorod as photodynamic therapy agent. <i>Science China Materials</i> , 2017, 60, 881-891.	3.5	10
41	A fluorescent probe for the efficient discrimination of Cys, Hcy and GSH based on different cascade reactions. <i>Biosensors and Bioelectronics</i> , 2017, 90, 117-124.	5.3	110
42	Investigation of biological cell-small molecule interactions with a gold surface plasmon resonance sensor using a laser scanning confocal imaging-surface plasmon resonance system. <i>RSC Advances</i> , 2016, 6, 65930-65935.	1.7	3
43	Carbon Dots with Intrinsic Theranostic Properties for Bioimaging, Red-Light-Triggered Photodynamic/Photothermal Simultaneous Therapy In Vitro and In Vivo. <i>Advanced Healthcare Materials</i> , 2016, 5, 665-675.	3.9	246
44	Keto-benzo[ <i>h</i> ]coumarin-Based Near-Infrared Dyes with Large Stokes Shifts for Bioimaging Applications. <i>Chemistry - an Asian Journal</i> , 2016, 11, 498-504.	1.7	34
45	Deep-red to near-infrared fluorescent dyes: Synthesis, photophysical properties, and application in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 164, 8-14.	2.0	15
46	Online evaluation system for the photo-physical properties of organic photoelectric materials and device integrated with the device fabrication instrument. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
47	Deep-Red and Near-Infrared Xanthene Dyes for Rapid Live Cell Imaging. <i>Journal of Organic Chemistry</i> , 2016, 81, 7393-7399.	1.7	43
48	Theranostics: Carbon Dots with Intrinsic Theranostic Properties for Bioimaging, Red-Light-Triggered Photodynamic/Photothermal Simultaneous Therapy In Vitro and In Vivo ( <i>Adv. Healthcare Mater.</i> )	1.7	10
49	Surface-enhanced Raman scattering substrate based on cysteamine-modified gold nanoparticle aggregation for highly sensitive pentachlorophenol detection. <i>RSC Advances</i> , 2016, 6, 85285-85292.	1.7	13
50	Gold nanorod@silica-carbon dots as multifunctional phototheranostics for fluorescence and photoacoustic imaging-guided synergistic photodynamic/photothermal therapy. <i>Nanoscale</i> , 2016, 8, 13067-13077.	2.8	126
51	Graphene quantum dots as efficient, metal-free, visible -light-active photocatalysts. <i>Science China Materials</i> , 2016, 59, 12-19.	3.5	44
52	A ratiometric fluorescent probe for quantification of alkaline phosphatase in living cells. <i>RSC Advances</i> , 2016, 6, 32046-32051.	1.7	42
53	Tunable multicolor carbon dots prepared from well-defined polythiophene derivatives and their emission mechanism. <i>Nanoscale</i> , 2016, 8, 729-734.	2.8	176
54	Red-Emissive Carbon Dots for Fluorescent, Photoacoustic, and Thermal Theranostics in Living Mice. <i>Advanced Materials</i> , 2015, 27, 4169-4177.	11.1	758

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55	Efficient inverted polymer solar cells integrated with a compound electron extraction layer. <i>Optics Communications</i> , 2015, 356, 541-545.	1.0	5
56	Ultrasensitive and selective detection of mercury (II) in serum based on the gold film sensor using a laser scanning confocal imaging-surface plasmon resonance system in real time. , 2015, , .		0
57	Imaging of nucleolar RNA in living cells using a highly photostable deep-red fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2015, 68, 189-196.	5.3	65
58	Nonvolatile memory devices based on carbon nano-dot doped poly(vinyl alcohol) composites with low operation voltage and high ON/OFF ratio. <i>RSC Advances</i> , 2015, 5, 26886-26890.	1.7	16
59	A facile high-speed vibration milling method to mass production of water-dispersible silicon quantum dots for long-term cell imaging. <i>RSC Advances</i> , 2015, 5, 35291-35296.	1.7	14
60	Chromogenic/Fluorogenic Ensemble Chemosensing Systems. <i>Chemical Reviews</i> , 2015, 115, 7893-7943.	23.0	351
61	Aminobenzofuran-Fused Rhodamine Dyes with Deep-Red to Near-Infrared Emission for Biological Applications. <i>Journal of Organic Chemistry</i> , 2015, 80, 3170-3175.	1.7	40
62	Deep-Red Emissive Crescent-Shaped Fluorescent Dyes: Substituent Effect on Live Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7421-7427.	4.0	44
63	A carbon dot-based fluorescence turn-on sensor for hydrogen peroxide with a photo-induced electron transfer mechanism. <i>Chemical Communications</i> , 2015, 51, 15574-15577.	2.2	94
64	A recyclable carbon nanoparticle-based fluorescent probe for highly selective and sensitive detection of mercapto biomolecules. <i>Journal of Materials Chemistry B</i> , 2015, 3, 127-134.	2.9	79
65	A selective fluorescent and colorimetric dual-responses chemosensor for streptomycin based on polythiophene derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 871-874.	2.0	18
66	Template-Free Preparation of Volvox-Like Cd <sub>3</sub> Zn <sub>1</sub> S Nanospheres with Cubic Phase for Efficient Photocatalytic Hydrogen Production. <i>Chemistry - an Asian Journal</i> , 2014, 9, 811-818.	1.7	47
67	A new coumarin-derived fluorescent sensor with red-emission for Zn <sup>2+</sup> in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 364-369.	4.0	28
68	Multi-enzyme co-embedded organic-inorganic hybrid nanoflowers: synthesis and application as a colorimetric sensor. <i>Nanoscale</i> , 2014, 6, 255-262.	2.8	296
69	A graphene quantum dot photodynamic therapy agent with high singlet oxygen generation. <i>Nature Communications</i> , 2014, 5, 4596.	5.8	1,141
70	Investigation of biological cell-protein interactions using SPR sensor through laser scanning confocal imaging-surface plasmon resonance system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 381-386.	2.0	20
71	Colorimetric detection of carbenicillin using cationic polythiophene derivatives. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 1484-1490.	2.0	5
72	Turn-on fluorescence sensor based on the aggregation of pyrazolo[3,4-b]pyridine-based coumarin chromophores induced by Hg <sup>2+</sup> . <i>Tetrahedron Letters</i> , 2013, 54, 6447-6449.	0.7	23

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73	Ultrasensitive and selective gold film-based detection of mercury (II) in tap water using a laser scanning confocal imaging-surface plasmon resonance system in real time. <i>Biosensors and Bioelectronics</i> , 2013, 47, 391-395.	5.3	27
74	Thiol-selective sensor based on intramolecular energy transfer between a bichromophoric system. <i>Tetrahedron</i> , 2013, 69, 4536-4540.	1.0	1
75	Coumarin- and Rhodamine-Fused Deep Red Fluorescent Dyes: Synthesis, Photophysical Properties, and Bioimaging in Vitro. <i>Journal of Organic Chemistry</i> , 2013, 78, 6121-6130.	1.7	120
76	Copolythiophene-Derived Colorimetric and Fluorometric Sensor for Lysophosphatidic Acid Based on Multipoint Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2283-2288.	4.0	39
77	1,4-Diazobicyclo(2,2,2)octane-modified multi-ammonium derivatives as ratiometric fluorescent sensors for lipopolysaccharide. <i>Supramolecular Chemistry</i> , 2013, 25, 69-78.	1.5	3
78	Synthesis and characterization of cyano-substituted pyridine derivatives for applications as exciton blockers in photovoltaic devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 5107.	6.7	14
79	Bipolar cyano-substituted pyridine derivatives for applications in organic light-emitting devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 8922.	6.7	24
80	Copolythiophene-Derived Colorimetric and Fluorometric Sensor for Visually Supersensitive Determination of Lipopolysaccharide. <i>Journal of the American Chemical Society</i> , 2012, 134, 6685-6694.	6.6	115
81	Fluorescent sensors based on controllable conformational change for discrimination of Zn <sup>2+</sup> over Cd <sup>2+</sup> . <i>Tetrahedron</i> , 2012, 68, 5458-5463.	1.0	47
82	A polythiophene-derived ratiometric fluorescent sensor for highly sensitive determination of carbenicillin in aqueous solution. <i>Chemical Communications</i> , 2012, 48, 6818.	2.2	16
83	Synthesis and Properties of Fluorescence Dyes: Tetracyclic Pyrazolo[3,4-b]Pyridine-Based Coumarin Chromophores with Intramolecular Charge Transfer Character. <i>Journal of Organic Chemistry</i> , 2012, 77, 3475-3482.	1.7	126
84	A chromo- and fluorogenic sensor for probing the cancer biomarker lysophosphatidic acid. <i>Analyst</i> , 2012, 137, 1853.	1.7	9
85	A facile assay for direct colorimetric visualization of lipopolysaccharides at low nanomolar level. <i>Nano Research</i> , 2012, 5, 486-493.	5.8	54
86	Reversible "off-on" fluorescent chemosensor for Hg <sup>2+</sup> based on rhodamine derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 85, 38-42.	2.0	39
87	Ruthenium(II) complex-based fluorescent sensor for peroxynitrite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 340-345.	2.0	14
88	A novel fluorogenic hybrid material for selective sensing of thiophenols. <i>Journal of Materials Chemistry</i> , 2011, 21, 13561.	6.7	51
89	Synthesis and properties of n-type triphenylpyridine derivatives and applications in deep-blue organic light-emitting devices as electron-transporting layer. <i>Journal of Materials Chemistry</i> , 2011, 21, 12977.	6.7	29
90	Aggregation-induced emission enhancement materials with large red shifts and their self-assembled crystal microstructures. <i>CrystEngComm</i> , 2011, 13, 4617.	1.3	31

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91	Ratiometric Fluorescence Sensor Based on a Pyrene Derivative and Quantification Detection of Heparin in Aqueous Solution and Serum. <i>Analytical Chemistry</i> , 2011, 83, 6559-6564.	3.2	135
92	Reversible Fluorescent Probe for Highly Selective and Sensitive Detection of Mercapto Biomolecules. <i>Inorganic Chemistry</i> , 2011, 50, 6543-6551.	1.9	66
93	Highly sensitive and selective colorimetric visualization of streptomycin in raw milk using Au nanoparticles supramolecular assembly. <i>Chemical Communications</i> , 2011, 47, 9888.	2.2	30
94	New sensing mechanisms for design of fluorescent chemosensors emerging in recent years. <i>Chemical Society Reviews</i> , 2011, 40, 3483.	18.7	1,601
95	A colorimetric chemosensor for fast detection of thiols based on intramolecular charge transfer. <i>Tetrahedron Letters</i> , 2011, 52, 5136-5139.	0.7	24
96	A novel fluoride ion colorimetric chemosensor based on coumarin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1352-1355.	2.0	41
97	Preparation of Highly Stable and Water-Dispersible Silicon Quantum Dots by Using an Organic Peroxide. <i>Chemistry - A European Journal</i> , 2011, 17, 12872-12876.	1.7	18
98	Highly sensitive fluorescent probe for thiols based on combination of PET and ESIPT mechanisms. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 332-337.	4.0	82
99	Construct Hierarchical Superhydrophobic Silicon Surfaces by Chemical Etching. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 2292-2297.	0.9	11
100	Enzyme sensing based on a controllable oxidation reaction. <i>Biosensors and Bioelectronics</i> , 2010, 26, 949-952.	5.3	14
101	Synthesis of Multiaryl-Substituted Pyridine Derivatives and Applications in Non-doped Deep-Blue OLEDs as Electron-Transporting Layer with High Hole-Blocking Ability. <i>Advanced Materials</i> , 2010, 22, 527-530.	11.1	60
102	A highly selective fluorescent sensor for fluoride in aqueous solution based on the inhibition of excited-state intramolecular proton transfer. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 260-265.	4.0	54
103	Sensing of Bacterial Endotoxin in Aqueous Solution by Supramolecular Assembly of Pyrene Derivative. <i>Organic Letters</i> , 2010, 12, 4014-4017.	2.4	56
104	Synthesis, Crystal Structures, and Photophysical Properties of Triphenylamine-Based Multicyano Derivatives. <i>Journal of Organic Chemistry</i> , 2010, 75, 7273-7278.	1.7	90
105	Highly selective recognition of carbenicillin via concerted interactions in 100% aqueous solution. <i>Chemical Communications</i> , 2010, 46, 2435.	2.2	18
106	Highly Selective and Sensitive Heparin Probing from Supramolecular Assembly of Pyrene Derivatives. <i>Organic Letters</i> , 2009, 11, 4294-4297.	2.4	61
107	Dithiolane linked thiorhodamine dimer for Hg <sup>2+</sup> recognition in living cells. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 660.	1.5	93
108	A new colorimetric chemosensor for Hg <sup>2+</sup> based on coumarin azine derivative. <i>Sensors and Actuators B: Chemical</i> , 2008, 128, 507-511.	4.0	82

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109	Colorimetric Test Kit for Cu <sup>2+</sup> Detection. Organic Letters, 2008, 10, 5015-5018.	2.4	210
110	A Water-Soluble "Switching On" Fluorescent Chemosensor of Selectivity to Cd <sup>2+</sup> . Organic Letters, 2007, 9, 3829-3832.	2.4	165