

Weimin Liu

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106
papers

7,826
citations

39
h-index

88
g-index

111
ext. papers

8,814
ext. citations

8.3
avg, IF

5.95
L-index

#	Paper	IF	Citations
106	New sensing mechanisms for design of fluorescent chemosensors emerging in recent years. <i>Chemical Society Reviews</i> , 2011 , 40, 3483-95	58.5	1390
105	A graphene quantum dot photodynamic therapy agent with high singlet oxygen generation. <i>Nature Communications</i> , 2014 , 5, 4596	17.4	946
104	Red-Emissive Carbon Dots for Fluorescent, Photoacoustic, and Thermal Theranostics in Living Mice. <i>Advanced Materials</i> , 2015 , 27, 4169-77	24	619
103	Photosensitizers for Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900132	10.1	324
102	A Magnetofluorescent Carbon Dot Assembly as an Acidic H ₂ O ₂ -Driven Oxygenator to Regulate Tumor Hypoxia for Simultaneous Bimodal Imaging and Enhanced Photodynamic Therapy. <i>Advanced Materials</i> , 2018 , 30, e1706090	24	283
101	Chromogenic/Fluorogenic Ensemble Chemosensing Systems. <i>Chemical Reviews</i> , 2015 , 115, 7893-943	68.1	277
100	Multi-enzyme co-embedded organic-inorganic hybrid nanoflowers: synthesis and application as a colorimetric sensor. <i>Nanoscale</i> , 2014 , 6, 255-62	7.7	256
99	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, 665-75	10.1	202
98	Colorimetric test kit for Cu ²⁺ detection. <i>Organic Letters</i> , 2008 , 10, 5015-8	6.2	201
97	A water-soluble "switching on" fluorescent chemosensor of selectivity to Cd ²⁺ . <i>Organic Letters</i> , 2007 , 9, 3829-32	6.2	159
96	Tunable multicolor carbon dots prepared from well-defined polythiophene derivatives and their emission mechanism. <i>Nanoscale</i> , 2016 , 8, 729-34	7.7	150
95	Ratiometric fluorescence sensor based on a pyrene derivative and quantification detection of heparin in aqueous solution and serum. <i>Analytical Chemistry</i> , 2011 , 83, 6559-64	7.8	116
94	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, 3475-82	4.2	113
93	Near-Infrared Probe Based on Rhodamine Derivative for Highly Sensitive and Selective Lysosomal pH Tracking. <i>Analytical Chemistry</i> , 2017 , 89, 1922-1929	7.8	105
92	Gold nanorod@silica-carbon dots as multifunctional phototheranostics for fluorescence and photoacoustic imaging-guided synergistic photodynamic/photothermal therapy. <i>Nanoscale</i> , 2016 , 8, 13067-77	7.7	101
91	Coumarin- and rhodamine-fused deep red fluorescent dyes: synthesis, photophysical properties, and bioimaging in vitro. <i>Journal of Organic Chemistry</i> , 2013 , 78, 6121-30	4.2	99
90	Copolythiophene-derived colorimetric and fluorometric sensor for visually supersensitive determination of lipopolysaccharide. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6685-94	16.4	96

89	Dithiolane linked thiorhodamine dimer for Hg ²⁺ recognition in living cells. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 660-4	3.9	91
88	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	11.8	87
87	Synthesis, crystal structures, and photophysical properties of triphenylamine-based multicyno derivatives. <i>Journal of Organic Chemistry</i> , 2010 , 75, 7273-8	4.2	79
86	A carbon dot-based fluorescence turn-on sensor for hydrogen peroxide with a photo-induced electron transfer mechanism. <i>Chemical Communications</i> , 2015 , 51, 15574-7	5.8	78
85	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	8.5	75
84	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	7.3	69
83	A new colorimetric chemosensor for Hg ²⁺ based on coumarin azine derivative. <i>Sensors and Actuators B: Chemical</i> , 2008 , 128, 507-511	8.5	67
82	Synthesis of carbon dots from <i>Hypocrella bambusae</i> for bimodal fluorescence/photoacoustic imaging-guided synergistic photodynamic/photothermal therapy of cancer. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 302-311	9.3	62
81	Reversible fluorescent probe for highly selective and sensitive detection of mercapto biomolecules. <i>Inorganic Chemistry</i> , 2011 , 50, 6543-51	5.1	62
80	Highly selective and sensitive heparin probing from supramolecular assembly of pyrene derivatives. <i>Organic Letters</i> , 2009 , 11, 4294-7	6.2	56
79	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, 527-304	7.4	54
78	Sensing of bacterial endotoxin in aqueous solution by supramolecular assembly of pyrene derivative. <i>Organic Letters</i> , 2010 , 12, 4014-7	6.2	52
77	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	8.5	52
76	Biocompatible Iron Phthalocyanine-Albumin Assemblies as Photoacoustic and Thermal Theranostics in Living Mice. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21124-21132	9.5	50
75	Single Near-Infrared Emissive Polymer Nanoparticles as Versatile Phototheranostics. <i>Advanced Science</i> , 2017 , 4, 1700085	13.6	50
74	Imaging of nucleolar RNA in living cells using a highly photostable deep-red fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 189-196	11.8	49
73	A novel fluorogenic hybrid material for selective sensing of thiophenols. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13561		49
72	A facile assay for direct colorimetric visualization of lipopolysaccharides at low nanomolar level. <i>Nano Research</i> , 2012 , 5, 486-493	10	45

71	Coumarin-Based Boron Complexes with Aggregation-Induced Emission. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3456-3462	4.2	44
70	Fluorescent sensors based on controllable conformational change for discrimination of Zn ²⁺ over Cd ²⁺ . <i>Tetrahedron</i> , 2012 , 68, 5458-5463	2.4	44
69	Template-free preparation of volvox-like Cd(x)Zn(1-x)S nanospheres with cubic phase for efficient photocatalytic hydrogen production. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 811-8	4.5	40
68	Biodegradable hypocrellin derivative nanovesicle as a near-infrared light-driven theranostic for dually photoactive cancer imaging and therapy. <i>Biomaterials</i> , 2018 , 185, 133-141	15.6	39
67	Biodegradable Natural Product-Based Nanoparticles for Near-Infrared Fluorescence Imaging-Guided Sonodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18178-18185	9.5	38
66	Deep-red emissive crescent-shaped fluorescent dyes: substituent effect on live cell imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7421-7	9.5	38
65	Graphene quantum dots as efficient, metal-free, visible-light-active photocatalysts. <i>Science China Materials</i> , 2016 , 59, 12-19	7.1	38
64	Copolythiophene-derived colorimetric and fluorometric sensor for lysophosphatidic acid based on multipoint interactions. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2283-8	9.5	38
63	Water-Soluble Polythiophene for Two-Photon Excitation Fluorescence Imaging and Photodynamic Therapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14590-14595	9.5	36
62	Pheophytin Derived Near-Infrared-Light Responsive Carbon Dot Assembly as a New Phototheranostic Agent for Bioimaging and Photodynamic Therapy. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2162-2168	4.5	36
61	Reversible "off-on" fluorescent chemosensor for Hg ²⁺ based on rhodamine derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 85, 38-42	4.4	36
60	A novel fluoride ion colorimetric chemosensor based on coumarin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 1352-5	4.4	36
59	Self-Assembled Carbon Dot Nanosphere: A Robust, Near-Infrared Light-Responsive, and Vein Injectable Photosensitizer. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601419	10.1	34
58	Aminobenzofuran-fused rhodamine dyes with deep-red to near-infrared emission for biological applications. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3170-5	4.2	34
57	A colorimetric and ratiometric fluorescent probe for highly selective detection of glutathione in the mitochondria of living cells. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 459-465	8.5	33
56	Deep-Red and Near-Infrared Xanthene Dyes for Rapid Live Cell Imaging. <i>Journal of Organic Chemistry</i> , 2016 , 81, 7393-9	4.2	32
55	Aggregation-induced emission enhancement materials with large red shifts and their self-assembled crystal microstructures. <i>CrystEngComm</i> , 2011 , 13, 4617	3.3	30
54	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	10.1	29

53	PEGylated carbon dot/MnO ₂ nanohybrid: a new pH/H ₂ O ₂ -driven, turn-on cancer nanotheranostics. <i>Science China Materials</i> , 2018 , 61, 1325-1338	7.1	29
52	A ratiometric fluorescent probe for quantification of alkaline phosphatase in living cells. <i>RSC Advances</i> , 2016 , 6, 32046-32051	3.7	29
51	Highly sensitive and selective colorimetric visualization of streptomycin in raw milk using Au nanoparticles supramolecular assembly. <i>Chemical Communications</i> , 2011 , 47, 9888-90	5.8	28
50	Keto-benzo[h]-Coumarin-Based Near-Infrared Dyes with Large Stokes Shifts for Bioimaging Applications. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 498-504	4.5	26
49	Polymer nanoparticles with high photothermal conversion efficiency as robust photoacoustic and thermal theranostics. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2832-2839	7.3	24
48	A new coumarin-derived fluorescent sensor with red-emission for Zn ²⁺ in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 364-369	8.5	24
47	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, 391-5	11.8	24
46	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		24
45	A colorimetric chemosensor for fast detection of thiols based on intramolecular charge transfer. <i>Tetrahedron Letters</i> , 2011 , 52, 5136-5139	2	23
44	Bipolar cyano-substituted pyridine derivatives for applications in organic light-emitting devices. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8922		21
43	Turn-on fluorescence sensor based on the aggregation of pyrazolo[3,4-b]pyridine-based coumarin chromophores induced by Hg ²⁺ . <i>Tetrahedron Letters</i> , 2013 , 54, 6447-6449	2	19
42	Dual-Emission Channels for Simultaneous Sensing of Cysteine and Homocysteine in Living Cells. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2098-2103	4.5	18
41	Natural-Origin Hypocrellin-HSA Assembly for Highly Efficient NIR Light-Responsive Phototheranostics against Hypoxic Tumors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44989-44998	9.5	18
40	Preparation of highly stable and water-dispersible silicon quantum dots by using an organic peroxide. <i>Chemistry - A European Journal</i> , 2011 , 17, 12872-6	4.8	17
39	Highly selective recognition of carbenicillin via concerted interactions in 100% aqueous solution. <i>Chemical Communications</i> , 2010 , 46, 2435-7	5.8	17
38	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 Pt B, 871-4	4.4	16
37	A polythiophene-derived ratiometric fluorescent sensor for highly sensitive determination of carbenicillin in aqueous solution. <i>Chemical Communications</i> , 2012 , 48, 6818-20	5.8	15
36	Coumarin/fluorescein-fused fluorescent dyes for rapidly monitoring mitochondrial pH changes in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 204, 590-597	4.4	15

35	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	4.4	14
34	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	3.7	13
33	Ruthenium(II) complex-based fluorescent sensor for peroxyxynitrite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 94, 340-5	4.4	13
32	Red emissive fluorescent probe for the rapid detection of selenocysteine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 234-239	8.5	12
31	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	3.7	11
30	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. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 492-497	8.5	11
29	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, 381-6	4.4	11
28	Enzyme sensing based on a controllable oxidation reaction. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 949-52.8	5.2	11
27	Recent advances in theranostic agents based on natural products for photodynamic and sonodynamic therapy. <i>View</i> , 2020 , 1, 20200090	7.8	11
26	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	3.7	10
25	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		10
24	Ethylene glycol-mediated synthetic route for production of luminescent silicon nanorod as photodynamic therapy agent. <i>Science China Materials</i> , 2017 , 60, 881-891	7.1	9
23	Construct hierarchical superhydrophobic silicon surfaces by chemical etching. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2292-7	1.3	9
22	A chromo- and fluorogenic sensor for probing the cancer biomarker lysophosphatidic acid. <i>Analyst, The</i> , 2012 , 137, 1853-9	5	8
21	A two-photon fluorescent probe for sensitive detection and imaging of Eglutamyl transpeptidase. <i>Chemical Communications</i> , 2020 , 56, 10902-10905	5.8	8
20	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	5.8	8
19	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	3.7	7
18	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	4.1	6

17	New detection method for nucleoside triphosphates based on carbon dots: The distance-dependent singlet oxygen trapping. <i>Analytica Chimica Acta</i> , 2018 , 1031, 145-151	6.6	6
16	Colorimetric detection of carbenicillin using cationic polythiophene derivatives. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 1484-1490	3.5	5
15	Efficient inverted polymer solar cells integrated with a compound electron extraction layer. <i>Optics Communications</i> , 2015 , 356, 541-545	2	5
14	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	1.8	3
13	Near-Infrared Hypocrellin Derivatives for Synergistic Photodynamic and Photothermal Therapy. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 3462-3468	4.5	3
12	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	3.7	3
11	Cancer Therapy: A Magnetofluorescent Carbon Dot Assembly as an Acidic H ₂ O ₂ -Driven Oxygenator to Regulate Tumor Hypoxia for Simultaneous Bimodal Imaging and Enhanced Photodynamic Therapy (Adv. Mater. 13/2018). <i>Advanced Materials</i> , 2018 , 30, 1870093	24	2
10	Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 11864-11868	3.6	2
9	Self-assembly of Amphiphilic Porphyrins To Construct Nanoparticles for Highly Efficient Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2021 , 27, 11195-11204	4.8	2
8	Iron phthalocyanine-derived nanozyme as dual reactive oxygen species generation accelerator for photothermally enhanced tumor catalytic therapy. <i>Biomaterials</i> , 2022 , 284, 121495	15.6	2
7	Thiol-selective sensor based on intramolecular energy transfer between a bichromophoric system. <i>Tetrahedron</i> , 2013 , 69, 4536-4540	2.4	1
6	Ultrasound-Enhanced Self-Exciting Photodynamic Therapy Based on Hypocrellin B. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1221-1224	4.5	1
5	Theranostics: Carbon Dots with Intrinsic Theranostic Properties for Bioimaging, Red-Light-Triggered Photodynamic/Photothermal Simultaneous Therapy In Vitro and In Vivo (Adv. Healthcare Mater. 6/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 744-744	10.1	1
4	Amphiphilic Diketopyrrolopyrrole Derivatives for Efficient Near-Infrared Fluorescence Imaging and Photothermal Therapy. <i>ACS Omega</i> , 2021 , 6, 26575-26582	3.9	1
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	8.5	1
2	One-pot synthesis and applications of two asymmetrical benzoxanthene dyes. <i>Dyes and Pigments</i> , 2022 , 200, 110152	4.6	
1	A ratiometric fluorescent probe for detection of β -glutamyl transpeptidase in blood serum and living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 278, 121325	4.4	