Wenwu Qin

List of Publications by Year
in descending order

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		201674	175258
65	2,812	27	52
papers	citations	h-index	g-index

67	67	67	3964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorescence Lifetime Standards for Time and Frequency Domain Fluorescence Spectroscopy. Analytical Chemistry, 2007, 79, 2137-2149.	6.5	397
2	BODIPY-Based Hydroxyaryl Derivatives as Fluorescent pH Probes. Journal of Organic Chemistry, 2005, 70, 4152-4157.	3.2	316
3	Functionalisation of fluorescent BODIPY dyes by nucleophilic substitution. Chemical Communications, 2006, , 266-268.	4.1	255
4	Heterogeneous synthesis of nitrogen-doped carbon dots prepared via anhydrous citric acid and melamine for selective and sensitive turn on-off-on detection of Hg (II), glutathione and its cellular imaging. Sensors and Actuators B: Chemical, 2018, 255, 1130-1138.	7.8	106
5	Synthesis of magnetic coreâ€“shell carbon dot@MFe₂O₄ (M = Mn, Zn and Cu) hybrid materials and their catalytic properties. Journal of Materials Chemistry A, 2016, 4, 4044-4055.	10.3	91
6	Imidazole derivative-functionalized carbon dots: using as a fluorescent probe for detecting water and imaging of live cells. Dalton Transactions, 2015, 44, 5547-5554.	3.3	74
7	A Phenylselenium-Substituted BODIPY Fluorescent Turn-off Probe for Fluorescence Imaging of Hydrogen Sulfide in Living Cells. Analytical Chemistry, 2017, 89, 1801-1807.	6.5	67
8	Europium functionalized ratiometric fluorescent transducer silicon nanoparticles based on FRET for the highly sensitive detection of tetracycline. Journal of Materials Chemistry C, 2017, 5, 2149-2152.	5.5	67
9	Fluorescent glutathione probe based on MnO 2 -phenol formaldehyde resin nanocomposite. Biosensors and Bioelectronics, 2016, 77, 299-305.	10.1	61
10	A fluorescence enhancement probe based on BODIPY for the discrimination of cysteine from homocysteine and glutathione. Biosensors and Bioelectronics, 2016, 85, 178-183.	10.1	58
11	Fast and Selective Two-Stage Ratiometric Fluorescent Probes for Imaging of Glutathione in Living Cells. Analytical Chemistry, 2017, 89, 13112-13119.	6.5	57
12	Mechanochromic luminescent covalent organic frameworks for highly selective hydroxyl radical detection. Chemical Communications, 2019, 55, 167-170.	4.1	56
13	Luminescent properties of milk carbon dots and their sulphur and nitrogen doped analogues. RSC Advances, 2014, 4, 51658-51665.	3.6	52
14	A ratiometric, fluorescent BODIPY-based probe for transition and heavy metal ions. RSC Advances, 2016, 6, 7806-7816.	3.6	52
15	Synthesis and characterization of the nickel@carbon dots hybrid material and its application in the reduction of Cr(<scp>vi</scp>). New Journal of Chemistry, 2014, 38, 5861-5867.	2.8	49
16	Dually emitting carbon dots as fluorescent probes for ratiometric fluorescent sensing of pH values, mercury(II), chloride and Cr(VI) via different mechanisms. Mikrochimica Acta, 2019, 186, 341.	5.0	49
17	Amide-functionalized heterometallic helicate cages as highly efficient catalysts for CO₂ conversion under mild conditions. Green Chemistry, 2018, 20, 5311-5317.	9.0	46
18	Carbon dot/NiAl-layered double hydroxide hybrid material: facile synthesis, intrinsic peroxidase-like catalytic activity and its application. RSC Advances, 2015, 5, 95495-95503.	3.6	45

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19	Synthesis, Spectroscopy, Crystal Structure Determination, and Quantum Chemical Calculations of BODIPY Dyes with Increasing Conformational Restriction and Concomitant Redâ€Shifted Visible Absorption and Fluorescence Spectra. Chemistry - an Asian Journal, 2010, 5, 2016-2026.	3.3	44
20	One-pot synthesis of polyamines improved magnetism and fluorescence Fe₃O₄â€“carbon dots hybrid NPs for dual modal imaging. Dalton Transactions, 2016, 45, 5484-5491.	3.3	42
21	Fluorescent glutathione probe based on MnO2â€“Si quantum dots nanocomposite directly used for intracellular glutathione imaging. Sensors and Actuators B: Chemical, 2018, 255, 1687-1693.	7.8	42
22	Ratiometric fluorescent probe based on ESIPT for the highly selective detection of cysteine in living cells. Talanta, 2019, 194, 717-722.	5.5	42
23	A new highly copper-selective fluorescence enhancement chemosensor based on BODIPY excitable with visible light and its imaging in living cells. Sensors and Actuators B: Chemical, 2016, 224, 110-117.	7.8	39
24	Sensitive fluorescent light-up probe for enzymatic determination of glucose using carbon dots modified with MnO2 nanosheets. Mikrochimica Acta, 2017, 184, 177-185.	5.0	38
25	Nanoscale Metalâ€“Organic Layers Detect Mitochondrial Dysregulation and Chemoresistance via Ratiometric Sensing of Glutathione and pH. Journal of the American Chemical Society, 2021, 143, 1284-1289.	13.7	38
26	Fluorescence enhancement thermoresponsive polymer luminescent sensors based on BODIPY for intracellular temperature. Sensors and Actuators B: Chemical, 2017, 252, 577-583.	7.8	37
27	Pd nanoparticles immobilized on magnetic carbon dots@Fe3O4 nanocubes as a synergistic catalyst for hydrogen generation. International Journal of Hydrogen Energy, 2017, 42, 15167-15177.	7.1	32
28	BODIPY-based asymmetric monosubstituted (turn-on) and symmetric disubstituted (ratiometric) fluorescent probes for selective detection of phosgene in solution and gas phase. Analytica Chimica Acta, 2019, 1078, 168-175.	5.4	28
29	BODIPY-based fluorescent sensor for imaging of endogenous formaldehyde in living cells. Talanta, 2018, 189, 274-280.	5.5	27
30	A ratiometric fluorescent probe for detection of endogenous and exogenous hydrogen sulfide in living cells. Talanta, 2019, 198, 185-192.	5.5	26
31	Ratiometric covalent organic framework florescence sensor for detecting hydrazine produced from isoniazid metabolism in cell. Sensors and Actuators B: Chemical, 2021, 346, 130472.	7.8	26
32	BODIPY-derived piperazidine fluorescent near-neutral pH indicator and its bioimaging. Sensors and Actuators B: Chemical, 2016, 232, 492-498.	7.8	25
33	Insight into excitation-related luminescence properties of carbon dots: synergistic effect from photoluminescence centers in the carbon core and on the surface. RSC Advances, 2016, 6, 107263-107269.	3.6	25
34	Multifunctional Near-Infrared Fluorescent Probes with Different Ring-Structure Trigger Groups for Cell Health Monitoring and In Vivo Esterase Activity Detection. ACS Sensors, 2020, 5, 3264-3273.	7.8	25
35	Synthesis and Peroxidaseâ€Like Activity of Cobalt@Carbonâ€Dots Hybrid Material. ChemCatChem, 2015, 7, 2467-2474.	3.7	24
36	Turn-on visible and ratiometric near-infrared fluorescent probes for distinction endogenous esterases and chymotrypsins in live cells. Sensors and Actuators B: Chemical, 2020, 306, 127567.	7.8	23

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37	Two highly sensitive Schiff-base fluorescent indicators for the detection of Zn2+. Analytical Methods, 2014, 6, 1167.	2.7	21
38	Palladium nanoparticles as catalysts for reduction of Cr(VI) and Suzuki coupling reaction. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	21
39	Activity-based ratiometric fluorescent small-molecule probe for endogenously monitoring neutrophil elastase in living cells. Analytica Chimica Acta, 2020, 1127, 295-302.	5.4	20
40	Synthesis and photochemical properties of BODIPY-functionalized silica nanoparticles for imaging Cu²⁺ in living cells. RSC Advances, 2014, 4, 23571-23579.	3.6	19
41	Foot-and-mouth disease virus-like particles as integrin-based drug delivery system achieve targeting anti-tumor efficacy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1061-1070.	3.3	19
42	2-Vinylfuran substituted BODIPY H2S fluorescent turn on probe based on hydrolysis of furfural and nucleophilic addition of double bond. Sensors and Actuators B: Chemical, 2019, 297, 126712.	7.8	18
43	Two-stage ratiometric fluorescent responsive probe for rapid glutathione detection based on BODIPY thiol-halogen nucleophilic mono- or disubstitution. Sensors and Actuators B: Chemical, 2018, 258, 72-79.	7.8	17
44	Long-Wavelength Ratiometric Fluorescent Probe for the Early Diagnosis of Diabetes. Analytical Chemistry, 2021, 93, 11461-11469.	6.5	17
45	Synthesis of ultrathin carbon dots-coated iron oxide nanocubes decorated with silver nanoparticles and their excellent catalytic properties. Ceramics International, 2017, 43, 7311-7320.	4.8	14
46	Visible to Near-Infrared Emission Ratiometric Fluorescent Probe for the Detection of Vanin-1 In Vivo. ACS Sensors, 2020, 5, 2806-2813.	7.8	14
47	InÂvivo imaging via a red-emitting fluorescent probe to diagnosing liver cancer or drug-induced liver disease. Analytica Chimica Acta, 2021, 1168, 338621.	5.4	13
48	A Novel Fluorescent Probe Strategy Activated by Î²-Glucuronidase for Assisting Surgical Resection of Liver Cancer. Analytical Chemistry, 2022, 94, 7012-7020.	6.5	13
49	Synthesis and infrared and fluorescence spectral properties of luminescent terbium and europium complexes with open-chain carboxylate crown ethers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 3085-3092.	3.9	11
50	Preparation of a fluorescent sensor based on BODIPY-functionalized hydroxyapatite nanoparticles and spectroscopic study of the Cd²⁺ and Zn²⁺ complex formation. Journal of Coordination Chemistry, 2013, 66, 662-670.	2.2	11
51	Preparation and photoluminescent properties of magnetic Ni@SiO2â€“CDs fluorescent nanocomposites. RSC Advances, 2014, 4, 7435.	3.6	11
52	Self-Assembling Ratiometric Fluorescent Micelle Nanoprobe for Tyrosinase Detection in Living Cells. ACS Applied Nano Materials, 2019, 2, 3819-3827.	5.0	11
53	Structural Engineering of Covalent Organic Frameworks Comprising Two Electron Acceptors Improves Photocatalytic Performance. ChemSusChem, 2022, 15, .	6.8	11
54	Covalent Organic Frameworks Doped with Different Ratios of OMe/OH as Fluorescent and Colorimetric Sensors. ChemSusChem, 2022, 15, .	6.8	10

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55	Near-infrared ratio fluorescent sensor for the study of PGP-1 in inflammation and tumor mice. Sensors and Actuators B: Chemical, 2021, 338, 129841.	7.8	9
56	Porous Organic Polymers Containing a Sulfur Skeleton for Visible Light Degradation of Organic Dyes. Chemistry - an Asian Journal, 2019, 14, 2883-2888.	3.3	8
57	A naphthalimide-based lysosome-targeting fluorescent probe for the selective detection and imaging of endogenous peroxynitrite in living cells. Analytical and Bioanalytical Chemistry, 2019, 411, 3929-3939.	3.7	7
58	Determination of Trace Terbium(III) Based on New Fluorescence Enhancement System of Terbium(III) with 1,7-bis-(2â€²-Carboxylphenyl)-1,4,7-trioxaheptane by Sodium Acetate in Dimethyl Sulfoxide. Analytical Letters, 2003, 36, 161-174.	1.8	6
59	Red emission ratio fluorescent probe for the activity of vanin-1 and imaging in vivo. Journal of Hazardous Materials, 2021, 401, 123863.	12.4	6
60	A ratiometric fluorescent sensor for rapid detection of the pyroglutamate aminopeptidase-1 in mouse tumors. Journal of Materials Chemistry B, 2021, 9, 4546-4554.	5.8	6
61	DETERMINATION OF NUCLEIC ACIDS AT NANOGRAM LEVELS BY THE METHOD OF RESONANCE LIGHT SCATTERING ON NIGHT BLUE. Analytical Letters, 2002, 35, 111-121.	1.8	5
62	Near-infrared probe for early diagnosis of diabetic complications-nephropathy and in vivo visualization fluorescence imaging research. Analytica Chimica Acta, 2022, 1221, 340147.	5.4	5
63	Determination of trace europium(III) based on a new fluorescence enhancement system of europium(III) with N,Nâ€²-bis-(4-N-aminothiourea-2-amylidene)-4,4â€²-diaminodiphenyl sulfone by EDTA or alumin in N,N-dimethylformamide. Journal of Analytical Chemistry, 2005, 60, 325-329.	0.9	4
64	The New Fluorescence Enhancement System Eu 3+ -ARADE-HMTM-Al 3+ and its Analytical Application. Mikrochimica Acta, 2004, 146, 55-60.	5.0	3
65	Synthesis and Spectral Properties of Luminescent Europium(III) and Terbium(III) Complexes with an Amideâ€Based, Openâ€Chain Crown Ether. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 883-897.	1.8	1