

# Peng Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,259  
citations

279798

23  
h-index

377865

34  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-molecule fluorescent probes for H <sub>2</sub> S detection: Advances and perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116117.	11.4	71
2	A novel DCM-NBD conjugate fluorescent probe for discrimination of Cys/Hcy from GSH and its bioimaging applications in living cells and animals. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 297-304.	7.8	68
3	Cyanine-based NIR fluorescent probe for monitoring H <sub>2</sub> S and imaging in living cells and in vivo. <i>Talanta</i> , 2018, 184, 109-114.	5.5	65
4	A lysosome-targetable and two-photon fluorescent probe for imaging endogenous $\beta$ -galactosidase in living ovarian cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 833-839.	7.8	53
5	A dual-site fluorescent probe for direct and highly selective detection of cysteine and its application in living cells. <i>Biosensors and Bioelectronics</i> , 2017, 92, 583-588.	10.1	53
6	Recent Advances in Small Copper Sulfide Nanoparticles for Molecular Imaging and Tumor Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 3322-3332.	4.6	53
7	FRET-Based Upconversion Nanoprobe Sensitized by Nd <sup>3+</sup> for the Ratiometric Detection of Hydrogen Peroxide in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7441-7449.	8.0	52
8	A reaction based one- and two-photon fluorescent probe for selective imaging H <sub>2</sub> O <sub>2</sub> in living cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 411-416.	7.8	45
9	A novel colorimetric and near-infrared fluorescent probe for hydrogen peroxide imaging in vitro and in vivo. <i>RSC Advances</i> , 2015, 5, 85957-85963.	3.6	43
10	Novel NIR fluorescent probe with dual models for sensitively and selectively monitoring and imaging Cys in living cells and mice. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 400-406.	7.8	43
11	A selective fluorescent turn-on probe for imaging peroxynitrite in living cells and drug-damaged liver tissues. <i>Talanta</i> , 2019, 204, 431-437.	5.5	42
12	A highly selective fluorescent turn-on NIR probe for the bioimaging of hydrogen peroxide in vitro and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 174-179.	7.8	38
13	Sesquiterpene dimers esterified with diverse small organic acids from the seeds of <i>Sarcandra glabra</i> . <i>Tetrahedron</i> , 2015, 71, 5362-5370.	1.9	37
14	A novel NIR fluorescent probe for palladium detection based on Pd(0) mediated reaction. <i>Tetrahedron Letters</i> , 2015, 56, 6491-6494.	1.4	37
15	An acetate-based NIR fluorescent probe for selectively imaging of hydrogen peroxide in living cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 127-132.	7.8	35
16	Rational designed benzochalcone-based fluorescent probe for molecular imaging of hydrogen peroxide in live cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 257-264.	7.8	32
17	A fluorescent turn-on probe for nitroreductase imaging in living cells and tissues under hypoxia conditions. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 70-76.	7.8	31
18	Homotypic targeting upconversion nano-reactor for cascade cancer starvation and deep-tissue phototherapy. <i>Biomaterials</i> , 2020, 235, 119765.	11.4	31

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19	Differentiating A $\beta$ <sup>240</sup> and A $\beta$ <sup>242</sup> in amyloid plaques with a small molecule fluorescence probe. <i>Chemical Science</i> , 2020, 11, 5238-5245.	7.4	30
20	A dicyanomethylene-4H-pyran-based fluorescence probe with high selectivity and sensitivity for detecting copper (II) and its bioimaging in living cells and tissue. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118819.	3.9	29
21	Synthesis and anticancer activities of ceritinib analogs modified in the terminal piperidine ring. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 1-8.	5.5	27
22	A Novel Theranostic Nanoprobe for In Vivo Singlet Oxygen Detection and Real-time Dose-effect Relationship Monitoring in Photodynamic Therapy. <i>Small</i> , 2019, 15, e1902185.	10.0	25
23	Diversified strategies based on nanoscale metal-organic frameworks for cancer therapy: The leap from monofunctional to versatile. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213676.	18.8	24
24	Rational design of a novel mitochondrial-targeted near-infrared fluorescent pH probe for imaging in living cells and in vivo. <i>RSC Advances</i> , 2016, 6, 95708-95714.	3.6	23
25	A fluorescent turn-on probe for highly selective detection of cysteine and its bioimaging applications in living cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 312-317.	7.8	22
26	Ferrocene-labeled and purification-free electrochemical biosensor based on ligase chain reaction for ultrasensitive single nucleotide polymorphism detection. <i>Analytica Chimica Acta</i> , 2020, 1109, 9-18.	5.4	20
27	A novel turn-on type AIE fluorescent probe for highly selective detection of cysteine/homocysteine and its application in living cells. <i>Talanta</i> , 2022, 239, 123091.	5.5	20
28	Sesquiterpenoids from the seeds of <i>Sarcandra glabra</i> and the potential anti-inflammatory effects. <i>F<math>\ddot{A}</math>-totrap<math>\ddot{A}</math></i> , 2016, 111, 7-11.	2.2	19
29	An Efficient Synthesis of Baricitinib. <i>Journal of Chemical Research</i> , 2016, 40, 205-208.	1.3	19
30	Chemiluminescence chitosan hydrogels based on the luminol analog L-012 for highly sensitive detection of ROS. <i>Talanta</i> , 2019, 201, 455-459.	5.5	19
31	A novel highly selective fluorescent probe with new chalcone fluorophore for monitoring and imaging endogenous peroxynitrite in living cells and drug-damaged liver tissue. <i>Talanta</i> , 2020, 215, 120934.	5.5	19
32	New palbociclib analogues modified at the terminal piperazine ring and their anticancer activities. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 546-556.	5.5	18
33	A novel one- and two-photon fluorescent probe induced by light for selective imaging of Cys in living cells and tissues. <i>Analytica Chimica Acta</i> , 2018, 1035, 161-167.	5.4	15
34	A highly sensitive fluorescent probe for fast recognition of DTT and its application in one- and two-photon imaging. <i>Talanta</i> , 2018, 187, 295-301.	5.5	14
35	Novel dual-site fluorescent probe for monitoring cysteine and sulfite in living cells. <i>RSC Advances</i> , 2018, 8, 21047-21053.	3.6	13
36	A FRET-based upconversion nanoprobe assembled with an electrochromic chromophore for sensitive detection of hydrogen sulfide <i>in vitro</i> and <i>in vivo</i> . <i>Nanoscale</i> , 2020, 12, 17517-17529.	5.6	13

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37	Ligase chain reaction-based electrochemical biosensor for the ultrasensitive and specific detection of single nucleotide polymorphisms. <i>New Journal of Chemistry</i> , 2019, 43, 14327-14335.	2.8	12
38	Iodine-catalyzed efficient amide formation from aldehydes and amines. <i>Tetrahedron Letters</i> , 2015, 56, 7120-7123.	1.4	9
39	Sensitive and specific detection of microRNAs based on two-stage amplification reaction using molecular beacons as turn-on probes. <i>Talanta</i> , 2018, 179, 685-692.	5.5	9
40	The improved targeting of an aspirin prodrug albumin-based nanosystem for visualizing and inhibiting lung metastasis of breast cancer. <i>Biomaterials Science</i> , 2020, 8, 5941-5954.	5.4	8
41	A novel DCM-based NIR fluorescent probe for detecting ozone and its bioimaging in live cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119192.	3.9	8
42	A dihydronaphthalene based fluorescence probe for sensitive detection of cysteine and its application in bioimaging. <i>New Journal of Chemistry</i> , 2020, 44, 973-980.	2.8	6
43	A practical synthesis of deuterated methylamine and dimethylamine. <i>Journal of Chemical Research</i> , 2021, 45, 265-268.	1.3	4
44	A Novel and Efficient Synthesis of Momelotinib. <i>Journal of Chemical Research</i> , 2016, 40, 511-513.	1.3	2
45	Novel Ratio-Based Fluorescent Probe for Intracellular Cys Detection. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 2502.	1.3	2
46	A Ratiometric Fluorescent Probe for Imaging Hydrogen Peroxide in Living Cells. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 2888.	1.3	1
47	Practical and Efficient Large-Scale Preparation of 4-Methylnicotinic Acid. <i>Letters in Organic Chemistry</i> , 2016, 13, 450-452.	0.5	0