

Yang Tian

List of Publications by Year in descending order

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154
papers

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34016

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161
all docs

161
docs citations

161
times ranked

12046
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Monitoring of Neurotransmitters in the Brain of Living Animals. ACS Applied Materials & Interfaces, 2023, 15, 138-157.	4.0	29
2	A Highly Stable Two-Photon Ratiometric Fluorescence Probe for Real-Time Biosensing and Imaging of Nitric Oxide in Brain Tissues and Larval Zebrafish. CCS Chemistry, 2022, 4, 2020-2030.	4.6	20
3	Electrochemical Detection of Tyrosinase in Cell Lysates at Functionalized Nanochannels via Amplifying of Ionic Current Response. Electroanalysis, 2022, 34, 1021-1026.	1.5	10
4	Raman Fiber Photometry for Understanding Mitochondrial Superoxide Burst and Extracellular Calcium Ion Influx upon Acute Hypoxia in the Brain of Freely Moving Animals. Angewandte Chemie - International Edition, 2022, 61, e202111630.	7.2	18
5	Time-Resolved Encryption via a Kinetics-Tunable Supramolecular Photochromic System. Advanced Science, 2022, 9, e2104790.	5.6	29
6	Pillar[5]arene-Based Fluorescent Sensor Array for Biosensing of Intracellular Multi-neurotransmitters through Host-Guest Recognitions. Journal of the American Chemical Society, 2022, 144, 2351-2359.	6.6	62
7	Ion Selective Electrode Mediated by Transfer Layer of Graphene Oxide for Detection of Ca ²⁺ with Highly Sensitivity and Selectivity. Journal of the Electrochemical Society, 2022, 169, 016514.	1.3	1
8	NiPd mediated by conductive metal organic frameworks with facilitated electron transfer for assaying of H ₂ O ₂ released from living cells. Journal of Electroanalytical Chemistry, 2022, 905, 115985.	1.9	4
9	A two-photon ratiometric fluorescent probe for real-time imaging and quantification of NO in neural stem cells during activation regulation. Chemical Science, 2022, 13, 4303-4312.	3.7	18
10	A tri-modal paper device based on flower-like CuSe for the detection of an Alzheimer's disease-associated microRNA marker. Chemical Communications, 2022, 58, 3771-3774.	2.2	6
11	A Liquid Interfacial SERS Platform on a Nanoparticle Array Stabilized by Rigid Probes for the Quantification of Norepinephrine in Rat Brain Microdialysates. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
12	Selective, Rapid, and Ratiometric Fluorescence Sensing of Homocysteine in Live Neurons via a Reaction-Kinetics/Sequence-Differentiation Strategy Based on a Small Molecular Probe. ACS Sensors, 2022, 7, 1036-1044.	4.0	15
13	Regulation of Silver Nanoclusters with 4 Orders of Magnitude Variation of Fluorescence Lifetimes with Solvent-Induced Noncovalent Interaction. Journal of Physical Chemistry C, 2022, 126, 5198-5205.	1.5	6
14	Exogenous A β 1-42 monomers improve synaptic and cognitive function in Alzheimer's disease model mice. Neuropharmacology, 2022, 209, 109002.	2.0	12
15	Highly Stable Electrochemical Probe with Bidentate Thiols for Ratiometric Monitoring of Endogenous Polysulfide in Living Mouse Brains. Analytical Chemistry, 2022, 94, 1447-1455.	3.2	18
16	Achieving Adjustable Multifunction Based on Host-Guest Interaction-Manipulated Reversible Molecular Conformational Switching. ACS Applied Materials & Interfaces, 2022, 14, 1807-1816.	4.0	7
17	An Intramolecular Charge Transfer-Förster Resonance Energy Transfer Integrated Unimolecular Platform for Two-Photon Ratiometric Fluorescence Sensing of Methionine Sulfoxide Reductases in Live-Neurons and Mouse Brain Tissues. Analytical Chemistry, 2022, 94, 6289-6296.	3.2	9
18	A multifunctional nanoprobe for real-time SERS monitoring of invasion ability affected by photodynamic therapy. Chemical Communications, 2022, 58, 6542-6545.	2.2	3

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19	Two-photon fluorescence imaging and ratiometric quantification of mitochondrial monoamine oxidase-A in neurons. <i>Chemical Communications</i> , 2022, 58, 6657-6660.	2.2	6
20	Tracking endocytosis and intracellular distribution of spherical nucleic acids with correlative single-cell imaging. <i>Nature Protocols</i> , 2021, 16, 383-404.	5.5	16
21	Surface-enhanced Raman Scattering on 2D Nanomaterials: Recent Developments and Applications. <i>Chinese Journal of Chemistry</i> , 2021, 39, 745-756.	2.6	27
22	Growth and inhibition of monohydrate sodium urate banded spherulites. <i>CrystEngComm</i> , 2021, 23, 1439-1446.	1.3	4
23	A ratiometric electrochemical sensor for selectively monitoring monoamine oxidase A in the live brain. <i>Chemical Communications</i> , 2021, 57, 6487-6490.	2.2	4
24	Electrochemical enantioselective sensor for effective recognition of tryptophan isomers based on chiral polyaniline twisted nanoribbon. <i>Analytica Chimica Acta</i> , 2021, 1147, 155-164.	2.6	22
25	Nonenzymatic Electrochemical Sensor with Ratiometric Signal Output for Selective Determination of Superoxide Anion in Rat Brain. <i>Analytical Chemistry</i> , 2021, 93, 5570-5576.	3.2	37
26	Long-Term Tracking and Dynamically Quantifying of Reversible Changes of Extracellular Ca ²⁺ in Multiple Brain Regions of Freely Moving Animals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14429-14437.	7.2	32
27	Long-Term Tracking and Dynamically Quantifying of Reversible Changes of Extracellular Ca ²⁺ in Multiple Brain Regions of Freely Moving Animals. <i>Angewandte Chemie</i> , 2021, 133, 14550-14558.	1.6	4
28	In-situ plasmonic tracking oxygen evolution reveals multistage oxygen diffusion and accumulating inhibition. <i>Nature Communications</i> , 2021, 12, 2164.	5.8	9
29	Recent advances in development of devices and probes for sensing and imaging in the brain. <i>Science China Chemistry</i> , 2021, 64, 915-931.	4.2	24
30	Innentitelbild: Long-Term Tracking and Dynamically Quantifying of Reversible Changes of Extracellular Ca ²⁺ in Multiple Brain Regions of Freely Moving Animals (<i>Angew. Chem.</i> 26/2021). <i>Angewandte Chemie</i> , 2021, 133, 14318-14318.	1.6	0
31	Nitric Oxide Prodrug Delivery and Release Monitoring Based on a Galactose-Modified Multifunctional Nanoprobe. <i>Analytical Chemistry</i> , 2021, 93, 7625-7634.	3.2	16
32	Surface-enhanced Raman Scattering Technology Based on WO ₃ Film for Detection of VEGF. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 900-905.	1.3	10
33	Toward Food Freshness Monitoring: Coordination Binding-Based Colorimetric Sensor Array for Sulfur-Containing Amino Acids. <i>Frontiers in Chemistry</i> , 2021, 9, 685783.	1.8	11
34	Real-time Tracking and Sensing of Cu ⁺ and Cu ²⁺ with a Single SERS Probe in the Live Brain: Toward Understanding Why Copper Ions Were Increased upon Ischemia. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21351-21359.	7.2	33
35	Real-time Tracking and Sensing of Cu ⁺ and Cu ²⁺ with a Single SERS Probe in the Live Brain: Toward Understanding Why Copper Ions Were Increased upon Ischemia. <i>Angewandte Chemie</i> , 2021, 133, 21521-21529.	1.6	9
36	Surface-enhanced Raman Scattering of Self-assembled Superstructures. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 989-1007.	1.3	6

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37	Multifunctional peptide-assembled micelles for simultaneously reducing amyloid- β^2 and reactive oxygen species. <i>Chemical Science</i> , 2021, 12, 6449-6457.	3.7	15
38	Ultrasensitive Sensing of Volatile Organic Compounds Using a Cu ⁺ -Doped SnO ₂ @NiO p-n Heterostructure That Shows Significant Raman Enhancement**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26260-26267.	7.2	41
39	Ultrasensitive Sensing of Volatile Organic Compounds Using a Cu ⁺ -Doped SnO ₂ @NiO p-n Heterostructure That Shows Significant Raman Enhancement**. <i>Angewandte Chemie</i> , 2021, 133, 26464-26471.	1.6	8
40	Sirtuin 5-Mediated Lysine Desuccinylation Protects Mitochondrial Metabolism Following Subarachnoid Hemorrhage in Mice. <i>Stroke</i> , 2021, 52, 4043-4053.	1.0	31
41	Two-photon fluorescent Zn ²⁺ probe for ratiometric imaging and biosensing of Zn ²⁺ in living cells and larval zebrafish. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111666.	5.3	35
42	A novel two-photon ratiometric fluorescent probe for imaging and sensing of BACE1 in different regions of AD mouse brain. <i>Chemical Science</i> , 2020, 11, 2215-2224.	3.7	27
43	An activatable near-infrared fluorescent probe for methylglyoxal imaging in Alzheimer's disease mice. <i>Chemical Communications</i> , 2020, 56, 707-710.	2.2	22
44	Automated Nanoplasmonic Analysis of Spherical Nucleic Acids Clusters in Single Cells. <i>Analytical Chemistry</i> , 2020, 92, 1333-1339.	3.2	13
45	A DNA-Based FLIM Reporter for Simultaneous Quantification of Lysosomal pH and Ca ²⁺ during Autophagy Regulation. <i>IScience</i> , 2020, 23, 101344.	1.9	13
46	Titelbild: A Robust Au ⁺ -C Functionalized Surface: Toward Real-Time Mapping and Accurate Quantification of Fe ²⁺ in the Brains of Live AD Mouse Models (<i>Angew. Chem.</i> 46/2020). <i>Angewandte Chemie</i> , 2020, 132, 20425-20425.	1.6	0
47	Sensitive detection via the time-resolved fluorescence of circularly permuted yellow fluorescent protein biosensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128614.	4.0	6
48	A Robust Au ⁺ -C Functionalized Surface: Toward Real-Time Mapping and Accurate Quantification of Fe ²⁺ in the Brains of Live AD Mouse Models. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20499-20507.	7.2	39
49	A Robust Au ⁺ -C Functionalized Surface: Toward Real-Time Mapping and Accurate Quantification of Fe ²⁺ in the Brains of Live AD Mouse Models. <i>Angewandte Chemie</i> , 2020, 132, 20680-20688.	1.6	10
50	Programming Biomimetically Confined Aptamers with DNA Frameworks. <i>ACS Nano</i> , 2020, 14, 8776-8783.	7.3	26
51	An enzyme-free amplification strategy based on two-photon fluorescent carbon dots for monitoring miR-9 in live neurons and brain tissues of Alzheimer's disease mice. <i>Chemical Communications</i> , 2020, 56, 8083-8086.	2.2	17
52	An Electrochemophysiological Microarray for Real-Time Monitoring and Quantification of Multiple Ions in the Brain of a Freely Moving Rat. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10426-10430.	7.2	50
53	Noninvasive In Situ Ratiometric Imaging of Biometals Based on Self-Assembled Peptide Nanoribbon. <i>Analytical Chemistry</i> , 2020, 92, 5838-5845.	3.2	11
54	I-motif Formed at Physiological pH Triggered by Spatial Confinement of Nanochannels: An Electrochemical Platform for pH Monitoring in Brain Microdialysates. <i>Analytical Chemistry</i> , 2020, 92, 4535-4540.	3.2	24

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55	Label-Free SERS Strategy for In Situ Monitoring and Real-Time Imaging of A β 2 Aggregation Process in Live Neurons and Brain Tissues. <i>Analytical Chemistry</i> , 2020, 92, 5910-5920.	3.2	37
56	Real-Time Imaging and Simultaneous Quantification of Mitochondrial H ₂ O ₂ and ATP in Neurons with a Single Two-Photon Fluorescence-Lifetime-Based Probe. <i>Journal of the American Chemical Society</i> , 2020, 142, 7532-7541.	6.6	182
57	An Electrochemophysiological Microarray for Real-Time Monitoring and Quantification of Multiple Ions in the Brain of a Freely Moving Rat. <i>Angewandte Chemie</i> , 2020, 132, 10512-10516.	1.6	16
58	Stochastic DNA Walkers in Droplets for Super-Multiplexed Bacterial Phenotype Detection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15448-15454.	7.2	79
59	Stochastic DNA Walkers in Droplets for Super-Multiplexed Bacterial Phenotype Detection. <i>Angewandte Chemie</i> , 2019, 131, 15594-15600.	1.6	29
60	Rational Design of Specific Recognition Molecules for Simultaneously Monitoring of Endogenous Polysulfide and Hydrogen Sulfide in the Mouse Brain. <i>Angewandte Chemie</i> , 2019, 131, 14086-14091.	1.6	12
61	Rational Design of Specific Recognition Molecules for Simultaneously Monitoring of Endogenous Polysulfide and Hydrogen Sulfide in the Mouse Brain. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13948-13953.	7.2	76
62	A dual-mode nanoprobe for evaluation of the autophagy level affected by photothermal therapy. <i>Chemical Communications</i> , 2019, 55, 9673-9676.	2.2	9
63	A ratiometric fluorescent DNA nanoprobe for cerebral adenosine triphosphate assay. <i>Chemical Communications</i> , 2019, 55, 9955-9958.	2.2	11
64	Mechanism of Photoluminescence in Ag Nanoclusters: Metal-Centered Emission versus Synergistic Effect in Ligand-Centered Emission. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18638-18645.	1.5	33
65	InnenrÄ¼cktitelbild: Stochastic DNA Walkers in Droplets for Super-Multiplexed Bacterial Phenotype Detection (<i>Angew. Chem.</i> 43/2019). <i>Angewandte Chemie</i> , 2019, 131, 15699-15699.	1.6	0
66	Hydrogen-bonding-induced bathochromic effect of Si-coumarin and its use in monitoring adipogenic differentiation. <i>Chemical Communications</i> , 2019, 55, 11802-11805.	2.2	15
67	Simultaneous Determination of Glutamate and Calcium Ion in Rat Brain during Spreading Depression and Ischemia Processes. <i>Chinese Journal of Analytical Chemistry</i> , 2019, 47, 347-354.	0.9	12
68	Fluorescence Lifetime Imaging of p-tau Protein in Single Neuron with a Highly Selective Fluorescent Probe. <i>Analytical Chemistry</i> , 2019, 91, 3294-3301.	3.2	24
69	Real-time monitoring of peroxynitrite (ONOO [•]) in the rat brain by developing a ratiometric electrochemical biosensor. <i>Analyst</i> , The, 2019, 144, 2150-2157.	1.7	33
70	An integrated platform for the capture of circulating tumor cells and <i>in situ</i> SERS profiling of membrane proteins through rational spatial organization of multi-functional cyclic RGD nanopatterns. <i>Chemical Communications</i> , 2019, 55, 1730-1733.	2.2	21
71	Glycopeptide Nanofiber Platform for A β 2-Sialic Acid Interaction Analysis and Highly Sensitive Detection of A β 2. <i>Analytical Chemistry</i> , 2019, 91, 8129-8136.	3.2	26
72	Light-Controlled Generation of Singlet Oxygen within a Discrete Dual-Stage Metallacycle for Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 8943-8950.	6.6	136

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73	Bioinspired Multivalent Peptide Nanotubes for Sialic Acid Targeting and Imaging-Guided Treatment of Metastatic Melanoma. <i>Small</i> , 2019, 15, e1900157.	5.2	30
74	A comprehensive study on the generation of reactive oxygen species in Cu-Al ²⁺ -catalyzed redox processes. <i>Free Radical Biology and Medicine</i> , 2019, 135, 125-131.	1.3	16
75	Functionalized hBN Nanosheets as a Theranostic Platform for SERS Real-Time Monitoring of MicroRNA and Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7757-7761.	7.2	81
76	Functionalized hBN Nanosheets as a Theranostic Platform for SERS Real-Time Monitoring of MicroRNA and Photodynamic Therapy. <i>Angewandte Chemie</i> , 2019, 131, 7839-7843.	1.6	13
77	A SERS Optophysiological Probe for the Real-Time Mapping and Simultaneous Determination of the Carbonate Concentration and pH Value in a Live Mouse Brain. <i>Angewandte Chemie</i> , 2019, 131, 5310-5314.	1.6	18
78	A SERS Optophysiological Probe for the Real-Time Mapping and Simultaneous Determination of the Carbonate Concentration and pH Value in a Live Mouse Brain. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5256-5260.	7.2	82
79	Imaging the Redox States of Live Cells with the Time-Resolved Fluorescence of Genetically Encoded Biosensors. <i>Analytical Chemistry</i> , 2019, 91, 3869-3876.	3.2	9
80	A Copper Nanocluster-Based Fluorescent Probe for Real-Time Imaging and Ratiometric Biosensing of Calcium Ions in Neurons. <i>Analytical Chemistry</i> , 2019, 91, 2488-2497.	3.2	56
81	Dual-Mode Au Nanoprobe Based on Surface Enhancement Raman Scattering and Colorimetry for Sensitive Determination of Telomerase Activity Both in Cell Extracts and in the Urine of Patients. <i>ACS Sensors</i> , 2019, 4, 211-217.	4.0	43
82	ADVANCES IN TAILORING FUNCTIONAL SURFACES FOR IN VIVO MONITORING OF REACTIVE OXYGEN SPECIES AND RELATED MOLECULES INVOLVED IN OXIDATIVE STRESS IN THE BRAIN. , 2019, , 133-159.		0
83	An Electrochemical Biosensor with Dual Signal Outputs for Ratiometric Monitoring the Levels of H ₂ O ₂ and pH in the Microdialysates from a Rat Brain. <i>Electroanalysis</i> , 2018, 30, 1047-1053.	1.5	18
84	Designing Recognition Molecules and Tailoring Functional Surfaces for In Vivo Monitoring of Small Molecules in the Brain. <i>Accounts of Chemical Research</i> , 2018, 51, 688-696.	7.6	69
85	Earthworm-like N, S-Doped carbon tube-encapsulated Co ₉ S ₈ nanocomposites derived from nanoscaled metal-organic frameworks for highly efficient bifunctional oxygen catalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5935-5943.	5.2	101
86	Bioimaging and Biosensing of Ferrous Ion in Neurons and HepG2 Cells upon Oxidative Stress. <i>Analytical Chemistry</i> , 2018, 90, 2816-2825.	3.2	39
87	In Situ Synthesized Silver Nanoclusters for Tracking the Role of Telomerase Activity in the Differentiation of Mesenchymal Stem Cells to Neural Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2051-2057.	4.0	29
88	A ratiometric fluorescent probe for bioimaging and biosensing of HBrO in mitochondria upon oxidative stress. <i>Chemical Communications</i> , 2018, 54, 12198-12201.	2.2	37
89	Mitochondria-Targeted DNA Nanoprobe for Real-Time Imaging and Simultaneous Quantification of Ca ²⁺ and pH in Neurons. <i>ACS Nano</i> , 2018, 12, 12357-12368.	7.3	115
90	A novel ternary heterostructure with dramatic SERS activity for evaluation of PD-L1 expression at the single-cell level. <i>Science Advances</i> , 2018, 4, eaau3494.	4.7	63

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91	Two-Photon Ratiometric Fluorescence Probe with Enhanced Absorption Cross Section for Imaging and Biosensing of Zinc Ions in Hippocampal Tissue and Zebrafish. <i>Analytical Chemistry</i> , 2017, 89, 2553-2560.	3.2	72
92	Engineering Carbon Nanotube Fiber for Real-Time Quantification of Ascorbic Acid Levels in a Live Rat Model of Alzheimer's Disease. <i>Analytical Chemistry</i> , 2017, 89, 1831-1837.	3.2	71
93	Ratiometric SERS imaging and selective biosensing of nitric oxide in live cells based on trisoctahedral gold nanostructures. <i>Chemical Communications</i> , 2017, 53, 1880-1883.	2.2	43
94	Convection-Driven Pull-Down Assays in Nanoliter Droplets Using Scaffolded Aptamers. <i>Analytical Chemistry</i> , 2017, 89, 3468-3473.	3.2	52
95	Bubble-Mediated Ultrasensitive Multiplex Detection of Metal Ions in Three-Dimensional DNA Nanostructure-Encoded Microchannels. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16026-16034.	4.0	58
96	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O_2 in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10471-10475.	7.2	84
97	Single Biosensor for Simultaneous Quantification of Glucose and pH in a Rat Brain of Diabetic Model Using Both Current and Potential Outputs. <i>Analytical Chemistry</i> , 2017, 89, 6656-6662.	3.2	45
98	A simple functional carbon nanotube fiber for in vivo monitoring of NO in a rat brain following cerebral ischemia. <i>Analyst</i> , 2017, 142, 1452-1458.	1.7	13
99	Label-Free Electrochemical Biosensor for Monitoring of Chloride Ion in an Animal Model of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2017, 8, 339-346.	1.7	26
100	Mechanism of Surface-Enhanced Raman Scattering Based on 3D Graphene-TiO ₂ Nanocomposites and Application to Real-Time Monitoring of Telomerase Activity in Differentiation of Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36596-36605.	4.0	39
101	A ratiometric electrochemical strategy for sensitive determination of Furin activity based on dual signal amplification and antifouling nanosurfaces. <i>Analyst</i> , 2017, 142, 4215-4220.	1.7	18
102	Development of an Efficient Biosensor for the In Vivo Monitoring of Cu ⁺ and pH in the Brain: Rational Design and Synthesis of Recognition Molecules. <i>Angewandte Chemie</i> , 2017, 129, 16546-16550.	1.6	30
103	Development of an Efficient Biosensor for the In Vivo Monitoring of Cu ⁺ and pH in the Brain: Rational Design and Synthesis of Recognition Molecules. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16328-16332.	7.2	73
104	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O_2 in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. <i>Angewandte Chemie</i> , 2017, 129, 10607-10611.	1.6	19
105	An Ultrasensitive and Selective Probe for Ratiometric Determination and Removal of Hg ²⁺ . <i>Journal of Analysis and Testing</i> , 2017, 1, 1.	2.5	4
106	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. <i>Analytical Chemistry</i> , 2016, 88, 4949-4954.	3.2	107
107	A Single Nanoprobe for Ratiometric Imaging and Biosensing of Hypochlorite and Glutathione in Live Cells Using Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2016, 88, 9518-9523.	3.2	112
108	Mitochondria-Targeted Ratiometric Fluorescent Nanosensor for Simultaneous Biosensing and Imaging of O_2 and Ca^{2+} and pH in Live Cells. <i>Analytical Chemistry</i> , 2016, 88, 12294-12302.	3.2	74

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109	A novel N-doped carbon nanotube fiber for selective and reliable electrochemical determination of ascorbic acid in rat brain microdialysates. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 278-283.	1.9	14
110	Micro Electrochemical pH Sensor Applicable for Real-Time Ratiometric Monitoring of pH Values in Rat Brains. <i>Analytical Chemistry</i> , 2016, 88, 2113-2118.	3.2	121
111	In vivo monitoring of local pH values in a live rat brain based on the design of a specific electroactive molecule for H ⁺ . <i>Chemical Communications</i> , 2016, 52, 3717-3720.	2.2	44
112	A Single Biosensor for Evaluating the Levels of Copper Ion and L-Cysteine in a Live Rat Brain with Alzheimer's Disease. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14053-14056.	7.2	121
113	A Selective and Accurate Ratiometric Electrochemical Biosensor for Monitoring of Cu ²⁺ Ions in a Rat Brain. <i>Analytical Chemistry</i> , 2015, 87, 2931-2936.	3.2	113
114	A highly sensitive chemiluminescence sensor for detecting mercury (II) ions: a combination of Exonuclease III-aided signal amplification and graphene oxide-assisted background reduction. <i>Science China Chemistry</i> , 2015, 58, 514-518.	4.2	63
115	Single Probe for Imaging and Biosensing of pH, Cu ²⁺ Ions, and pH/Cu ²⁺ in Live Cells with Ratiometric Fluorescence Signals. <i>Analytical Chemistry</i> , 2015, 87, 5333-5339.	3.2	85
116	2D ratiometric fluorescent pH sensor for tracking of cells proliferation and metabolism. <i>Biosensors and Bioelectronics</i> , 2015, 70, 202-208.	5.3	30
117	Gold nanocluster-based fluorescence biosensor for targeted imaging in cancer cells and ratiometric determination of intracellular pH. <i>Biosensors and Bioelectronics</i> , 2015, 65, 183-190.	5.3	123
118	Functional Surface Engineering of C-Dots for Fluorescent Biosensing and in Vivo Bioimaging. <i>Accounts of Chemical Research</i> , 2014, 47, 20-30.	7.6	836
119	Electrochemical in-vivo sensors using nanomaterials made from carbon species, noble metals, or semiconductors. <i>Mikrochimica Acta</i> , 2014, 181, 1471-1484.	2.5	48
120	Ratiometric Fluorescence Probe for Monitoring Hydroxyl Radical in Live Cells Based on Gold Nanoclusters. <i>Analytical Chemistry</i> , 2014, 86, 1829-1836.	3.2	210
121	Ratiometric Electrochemical Sensor for Selective Monitoring of Cadmium Ions Using Biomolecular Recognition. <i>Analytical Chemistry</i> , 2014, 86, 10668-10673.	3.2	61
122	Carbon-Dot-Based Ratiometric Fluorescent Probe for Imaging and Biosensing of Superoxide Anion in Live Cells. <i>Analytical Chemistry</i> , 2014, 86, 7071-7078.	3.2	207
123	Progress on Electrochemical Determination of Superoxide Anion. <i>Chinese Journal of Analytical Chemistry</i> , 2014, 42, 1-9.	0.9	15
124	Molecular Hydrogel-Stabilized Enzyme with Facilitated Electron Transfer for Determination of H ₂ O ₂ Released from Live Cells. <i>Analytical Chemistry</i> , 2014, 86, 4395-4401.	3.2	80
125	Horseradish peroxidase-mediated <i>in situ</i> forming hydrogels from degradable tyramine-based poly(amido amine)s. <i>Journal of Applied Polymer Science</i> , 2013, 127, 40-48.	1.3	22
126	A Two-Channel Ratiometric Electrochemical Biosensor for In Vivo Monitoring of Copper Ions in a Rat Brain Using Gold Truncated Octahedral Microcages. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8129-8133.	7.2	130

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127	Highly Selective Electrochemical Strategy for Monitoring of Cerebral Cu ²⁺ Based on a Carbon Dot-TPEA Hybridized Surface. <i>Analytical Chemistry</i> , 2013, 85, 418-425.	3.2	158
128	An electrochemical strategy for fast monitoring of $\dot{E}^{\text{TM}}\text{OH}$ released from live cells at an electroactive FcHT-functional surface amplified by Au nanoparticles. <i>Chemical Communications</i> , 2013, 49, 1279.	2.2	24
129	A two-photon ratiometric fluorescence probe for Cupric Ions in Live Cells and Tissues. <i>Scientific Reports</i> , 2013, 3, 2933.	1.6	50
130	NTA-modified carbon electrode as a general relaying substrate to facilitate electron transfer of SOD: Application to in vivo monitoring of O ₂ in a rat brain. <i>Biosensors and Bioelectronics</i> , 2013, 43, 101-107.	5.3	46
131	Two-Photon Ratiometric Fluorescent Sensor Based on Specific Biomolecular Recognition for Selective and Sensitive Detection of Copper Ions in Live Cells. <i>Analytical Chemistry</i> , 2013, 85, 11936-11943.	3.2	67
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