

# Cheng-Wu Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,598  
citations

331259

21  
h-index

301761

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2298  
citing authors

#	ARTICLE	IF	CITATIONS
1	All Paper-Based Flexible and Wearable Piezoresistive Pressure Sensor. ACS Applied Materials & Interfaces, 2019, 11, 25034-25042.	4.0	240
2	Rational Design of Nanocarriers for Intracellular Protein Delivery. Advanced Materials, 2019, 31, e1902791.	11.1	166
3	Fish Gelatin Based Triboelectric Nanogenerator for Harvesting Biomechanical Energy and Self-Powered Sensing of Human Physiological Signals. ACS Applied Materials & Interfaces, 2020, 12, 16442-16450.	4.0	100
4	Ultrafast Detection of Peroxynitrite in Parkinson's Disease Models Using a Near-Infrared Fluorescent Probe. Analytical Chemistry, 2020, 92, 4038-4045.	3.2	81
5	A mitochondria-targeted two-photon fluorogenic probe for the dual-imaging of viscosity and H <sub>2</sub> O <sub>2</sub> levels in Parkinson's disease models. Journal of Materials Chemistry B, 2019, 7, 4243-4251.	2.9	71
6	Rational Design of a Two-Photon Fluorogenic Probe for Visualizing Monoamine Oxidase-A Activity in Human Glioma Tissues. Angewandte Chemie - International Edition, 2020, 59, 7536-7541.	7.2	65
7	Parkin Regulation and Neurodegenerative Disorders. Frontiers in Aging Neuroscience, 2015, 7, 248.	1.7	62
8	The Sources of Reactive Oxygen Species and Its Possible Role in the Pathogenesis of Parkinson's Disease. Parkinson's Disease, 2018, 2018, 1-9.	0.6	60
9	Signal-Enhanced Detection of Multiplexed Cardiac Biomarkers by a Paper-Based Fluorogenic Immunodevice Integrated with Zinc Oxide Nanowires. Analytical Chemistry, 2019, 91, 9300-9307.	3.2	60
10	Lignin-Incorporated Nanogel Serving As an Antioxidant Biomaterial for Wound Healing. ACS Applied Bio Materials, 2021, 4, 3-13.	2.3	58
11	Molecular Events Underlying Parkinson's Disease – An Interwoven Tapestry. Frontiers in Neurology, 2013, 4, 33.	1.1	57
12	Dual-Signal Luminescent Detection of Dopamine by a Single Type of Lanthanide-Doped Nanoparticles. ACS Sensors, 2018, 3, 1683-1689.	4.0	56
13	Small-molecule diketopyrrolopyrrole-based therapeutic nanoparticles for photoacoustic imaging-guided photothermal therapy. Nano Research, 2017, 10, 794-801.	5.8	50
14	Paper-based fluorescent immunoassay for highly sensitive and selective detection of norfloxacin in milk at picogram level. Talanta, 2019, 195, 333-338.	2.9	46
15	Polydatin protects SH-SY5Y in models of Parkinson's disease by promoting Atg5-mediated but parkin-independent autophagy. Neurochemistry International, 2020, 134, 104671.	1.9	41
16	Polydopamine Dots-Based Fluorescent Nanoswitch Assay for Reversible Recognition of Glutamic Acid and Al <sup>3+</sup> in Human Serum and Living Cell. ACS Applied Materials & Interfaces, 2018, 10, 35760-35769.	4.0	37
17	Î±-Arbutin Protects Against Parkinson's Disease-Associated Mitochondrial Dysfunction In Vitro and In Vivo. NeuroMolecular Medicine, 2020, 22, 56-67.	1.8	35
18	Puromycin Analogues Capable of Multiplexed Imaging and Profiling of Protein Synthesis and Dynamics in Live Cells and Neurons. Angewandte Chemie - International Edition, 2016, 55, 4933-4937.	7.2	33

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19	Embedding Silver Nanowires into a Hydroxypropyl Methyl Cellulose Film for Flexible Electrochromic Devices with High Electromechanical Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 1735-1742.	4.0	25
20	APP upregulation contributes to retinal ganglion cell degeneration via JNK3. <i>Cell Death and Differentiation</i> , 2018, 25, 663-678.	5.0	24
21	S-Nitrosylation of Divalent Metal Transporter 1 Enhances Iron Uptake to Mediate Loss of Dopaminergic Neurons and Motoric Deficit. <i>Journal of Neuroscience</i> , 2018, 38, 8364-8377.	1.7	24
22	Surface engineering strategies of gold nanomaterials and their applications in biomedicine and detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5583-5598.	2.9	20
23	Natural Molecules From Chinese Herbs Protecting Against Parkinson's Disease via Anti-oxidative Stress. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 246.	1.7	19
24	Mitochondrial Specific H <sub>2</sub> S <sub>2</sub> Fluorogenic Probe for Live Cell Imaging by Rational Utilization of a Dual-Functional-Photocage Group. <i>ACS Sensors</i> , 2018, 3, 1622-1626.	4.0	19
25	Structure-Based Specific Detection and Inhibition of Monoamine Oxidases and Their Applications in Central Nervous System Diseases. <i>ChemBioChem</i> , 2019, 20, 1487-1497.	1.3	16
26	Paper-Based Fluorogenic Device for Detection of Copper Ions in a Biological System. <i>ACS Applied Bio Materials</i> , 2018, 1, 1523-1529.	2.3	14
27	A novel fluorogenic probe for visualizing the hydrogen peroxide in Parkinson's disease models. <i>Journal of Innovative Optical Health Sciences</i> , 2020, 13, .	0.5	14
28	De Novo Design of a Robust Fluorescent Probe for Basal HClO Imaging in a Mouse Parkinson's Disease Model. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4058-4064.	1.7	14
29	Photocontrollable fluorogenic probes for visualising near-membrane copper(II) in live cells. <i>RSC Advances</i> , 2017, 7, 31093-31099.	1.7	11
30	Intramolecular charge transfer enhancing strategy based MAO-A specific two-photon fluorescent probes for glioma cell/tissue imaging. <i>Chemical Communications</i> , 2021, 57, 11260-11263.	2.2	11
31	Two-Photon Enzymatic Probes Visualizing Sub-cellular/Deep-brain Caspase Activities in Neurodegenerative Models. <i>Scientific Reports</i> , 2016, 6, 26385.	1.6	10
32	Mitochondria-Targeted Two-Photon Fluorescent Photosensitizers for Cancer Cell Apoptosis via Spatial Selectability. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900212.	3.9	10
33	Fast-Response Fluorogenic Probe for Visualizing Hypochlorite in Living Cells and in Zebrafish. <i>ChemBioChem</i> , 2019, 20, 831-837.	1.3	10
34	Rational Design of a Two-Photon Fluorogenic Probe for Visualizing Monoamine Oxidase...A Activity in Human Glioma Tissues. <i>Angewandte Chemie</i> , 2020, 132, 7606-7611.	1.6	10
35	One-pot synthesis of a hydrogen peroxide-selective fluorogenic probe and its application in Parkinson's disease <i>in vitro</i> and <i>in vivo</i> models. <i>Materials Advances</i> , 2020, 1, 1448-1454.	2.6	8
36	Mini-Sized Carbon Nitride Nanosheets with Double Excitation- and pH-Dependent Fluorescence Behaviors for Two-Photon Cell Imaging. <i>Chemistry - an Asian Journal</i> , 2017, 12, 835-840.	1.7	5

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37	A novel method for precise detection of allergen-specific IgE via immobilizing His-tagged allergens to paper-based device. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 567-571.	2.7	5
38	Puromycin Analogues Capable of Multiplexed Imaging and Profiling of Protein Synthesis and Dynamics in Live Cells and Neurons. <i>Angewandte Chemie</i> , 2016, 128, 5017-5021.	1.6	4
39	Fluorescence copolymer-based dual-signal monitoring tyrosinase activity and its inhibitor screening via blue-green emission transformation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119028.	2.0	4
40	Design, synthesis and evaluation of protein disulfide isomerase inhibitors with nitric oxide releasing activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126898.	1.0	2
41	Membrane-Targetable Probes for Hg <sup>2+</sup> Detection in Live Cells and Paper-Based Devices. <i>ChemistrySelect</i> , 2018, 3, 9865-9871.	0.7	1
42	Surface-Oxidation-Controlled Synthesis of Blue Fluorescence Wavelength-Tunable Mini-Size Carbon Nitride Nanosheet and Its Application. <i>ChemistrySelect</i> , 2018, 3, 2229-2234.	0.7	0