

Hanjun Cheng

List of Publications by Year in descending order

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27
papers

1,961
citations

430874

18
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

2784
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Enhanced Raman Scattering Active Gold Nanoparticles with Enzyme-Mimicking Activities for Measuring Glucose and Lactate in Living Tissues. <i>ACS Nano</i> , 2017, 11, 5558-5566.	14.6	514
2	Integrated Nanozymes with Nanoscale Proximity for in Vivo Neurochemical Monitoring in Living Brains. <i>Analytical Chemistry</i> , 2016, 88, 5489-5497.	6.5	290
3	Rationally Modulate the Oxidase-like Activity of Nanoceria for Self-Regulated Bioassays. <i>ACS Sensors</i> , 2016, 1, 1336-1343.	7.8	255
4	Monitoring of Heparin Activity in Live Rats Using Metal-Organic Framework Nanosheets as Peroxidase Mimics. <i>Analytical Chemistry</i> , 2017, 89, 11552-11559.	6.5	215
5	Ratiometric Electrochemical Sensor for Effective and Reliable Detection of Ascorbic Acid in Living Brains. <i>Analytical Chemistry</i> , 2015, 87, 8889-8895.	6.5	125
6	Multi-omic single-cell snapshots reveal multiple independent trajectories to drug tolerance in a melanoma cell line. <i>Nature Communications</i> , 2020, 11, 2345.	12.8	74
7	Graphene as a Spacer to Layer-by-Layer Assemble Electrochemically Functionalized Nanostructures for Molecular Bioelectronic Devices. <i>Langmuir</i> , 2011, 27, 11180-11186.	3.5	64
8	Biofuel cell-based self-powered biogenerators for online continuous monitoring of neurochemicals in rat brain. <i>Analyst</i> , 2013, 138, 179-185.	3.5	55
9	Deciphering the quenching mechanism of 2D MnO ₂ nanosheets towards Au nanocluster fluorescence to design effective glutathione biosensors. <i>Analytical Methods</i> , 2016, 8, 3935-3940.	2.7	54
10	Recent advances on in vivo analysis of ascorbic acid in brain functions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 247-259.	11.4	47
11	Galvanic Redox Potentiometry for Self-Driven in Vivo Measurement of Neurochemical Dynamics at Open-Circuit Potential. <i>Analytical Chemistry</i> , 2018, 90, 13021-13029.	6.5	35
12	Rational Design and One-Step Formation of Multifunctional Gel Transducer for Simple Fabrication of Integrated Electrochemical Biosensors. <i>Analytical Chemistry</i> , 2011, 83, 5715-5720.	6.5	29
13	Potential-controllable green synthesis and deposition of metal nanoparticles with electrochemical method. <i>Journal of Materials Chemistry</i> , 2010, 20, 5820.	6.7	26
14	G-quadruplex DNAzymes-induced highly selective and sensitive colorimetric sensing of free heme in rat brain. <i>Analyst</i> , 2014, 139, 1993-1999.	3.5	24
15	Functional Nucleic Acid Probe for Parallel Monitoring K ⁺ and Protoporphyrin IX in Living Organisms. <i>Analytical Chemistry</i> , 2016, 88, 2937-2943.	6.5	24
16	Electricity generation from carboxymethyl cellulose biomass: A new application of enzymatic biofuel cells. <i>Electrochimica Acta</i> , 2012, 82, 203-207.	5.2	22
17	Modulating luminescence of Tb ³⁺ with biomolecules for sensing heparin and its contaminant OSCS. <i>Biosensors and Bioelectronics</i> , 2016, 86, 858-863.	10.1	22
18	Ionic Liquid-Assisted Preparation of Laccase-Based Biocathodes with Improved Biocompatibility. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5185-5191.	2.6	21

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19	Surface Immobilization of Redox-Labelable Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11554-11558.	13.8	13
20	A New Microfluidic Chip-Based Online Electrochemical Platform for Extracellular Neurochemicals Monitoring in Rat Brain. <i>Electroanalysis</i> , 2013, 25, 1010-1016.	2.9	12
21	Electrochemical Quantification of Hygroscopicity of Ionic Liquids with Solution-Dissolved Potassium Ferricyanide as the Redox Probe. <i>Electroanalysis</i> , 2011, 23, 2870-2877.	2.9	10
22	A Chemical Approach for Profiling Intracellular AKT Signaling Dynamics from Single Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 13586-13589.	13.7	10
23	Simultaneous in vivo ascorbate and electrophysiological recordings in rat brain following ischemia/reperfusion. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 90-96.	3.8	9
24	Single-Cell Profiling of Fatty Acid Uptake Using Surface-Immobilized Dendrimers. <i>Journal of the American Chemical Society</i> , 2021, 143, 11191-11198.	13.7	5
25	Single-cell profiling of D-2-hydroxyglutarate using surface-immobilized resazurin analogs. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113368.	10.1	5
26	Cancer Systems Biology in the Era of Single-Cell Multi-Omics. <i>Proteomics</i> , 2020, 20, 1900106.	2.2	1
27	Surface Immobilization of Redox-Labelable Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie</i> , 2018, 130, 11728-11732.	2.0	0