Zixuan Chen

List of Publications by Year
in descending order

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30	1,211	304743 22	477307 29
papers	citations	h-index	g-index

30	30	30	1490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A dual-mechanism-driven electrochemiluminescence aptasensor for sensitive detection of Î²-amyloid peptides. Analytical Methods, 2022, 14, 1739-1746.	2.7	3
2	Spatiotemporal-Resolved Hyperspectral Raman Imaging of Plasmon-Assisted Reactions at Single Hotspots. Analytical Chemistry, 2022, 94, 8174-8180.	6.5	1
3	Bioâ€Coreactantâ€Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. Angewandte Chemie - International Edition, 2021, 60, 4907-4914.	13.8	96
4	Bioâ€Coreactantâ€Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. Angewandte Chemie, 2021, 133, 4957-4964.	2.0	23
5	A ratiometric electrochemiluminescent cytosensor based on polyaniline hydrogel electrodes in spatially separated electrochemiluminescent systems. Analyst, The, 2021, 146, 1835-1838.	3.5	6
6	Catalytic route electrochemiluminescence microscopy of cell membranes with nitrogen-doped carbon dots as nano-coreactants. Chemical Communications, 2021, 57, 2168-2171.	4.1	37
7	Sodium Alginate Micelle-Encapsulating Zinc Phthalocyanine Dye-Sensitized Photoelectrochemical Biosensor with CdS as the Photoelectric Material for Hg²⁺ Detection. ACS Applied Materials & Interfaces, 2021, 13, 16828-16836.	8.0	33
8	Label-Free Probing of Electron Transfer Kinetics of Single Microbial Cells on a Single-Layer Graphene via Structural Color Microscopy. Nano Letters, 2021, 21, 7823-7830.	9.1	3
9	Dynamic Detection of Endogenous Hydroxyl Radicals at Single-Cell Level with Individual Agâ€“Au Nanocages. Analytical Chemistry, 2020, 92, 9940-9947.	6.5	12
10	Hydrogen Evolution Reaction Monitored by Electrochemiluminescence Blinking at Single-Nanoparticle Level. Nano Letters, 2020, 20, 5008-5016.	9.1	66
11	Size-selected and surface-passivated CsPbBr₃ perovskite nanocrystals for self-enhanced electrochemiluminescence in aqueous media. Nanoscale, 2020, 12, 7321-7329.	5.6	28
12	Fermi level-tuned optics of graphene for attocoulomb-scale quantification of electron transfer at single gold nanoparticles. Nature Communications, 2019, 10, 3849.	12.8	14
13	Electrochemiluminescence Investigation of Glucose Transporter 4 Expression at Skeletal Muscle Cells Surface Based on a Graphene Hydrogel Electrode. Analytical Chemistry, 2019, 91, 3021-3026.	6.5	26
14	Sustainable and Selfâ€Enhanced Electrochemiluminescent Ternary Suprastructures Derived from CsPbBr₃ Perovskite Quantum Dots. Advanced Functional Materials, 2019, 29, 1902533.	14.9	50
15	Potential-Resolved Electrochemiluminescence Nanoprobes for Visual Apoptosis Evaluation at Single-Cell Level. Analytical Chemistry, 2019, 91, 6363-6370.	6.5	52
16	Plasmon-enhanced cathodic reduction for accelerating electricity generation in visible-light-assisted microbial fuel cells. Nano Energy, 2019, 57, 94-100.	16.0	15
17	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. Analytical Chemistry, 2018, 90, 4801-4806.	6.5	73
18	A Spectral Shift-Based Electrochemiluminescence Sensor for Hydrogen Sulfide. Analytical Chemistry, 2018, 90, 1334-1339.	6.5	32

#	Article	IF	Citations
19	Light-Driven Nano-oscillators for Label-Free Single-Molecule Monitoring of MicroRNA. Nano Letters, 2018, 18, 3759-3765.	9.1	27
20	Dynamically imaging collision electrochemistry of single electrochemiluminescence nano-emitters. Chemical Science, 2018, 9, 6167-6175.	7.4	83
21	In Situ Visualization of Electrocatalytic Reaction Activity at Quantum Dots for Water Oxidation. Analytical Chemistry, 2018, 90, 8635-8641.	6.5	30
22	Imaging the transient heat generation of individual nanostructures with a mechanoresponsive polymer. Nature Communications, 2017, 8, 1498.	12.8	38
23	Mapping Local Quantum Capacitance and Charged Impurities in Graphene via Plasmonic Impedance Imaging. Advanced Materials, 2015, 27, 6213-6219.	21.0	38
24	Single Gold@Silver Nanoprobes for Real-Time Tracing the Entire Autophagy Process at Single-Cell Level. Journal of the American Chemical Society, 2015, 137, 1903-1908.	13.7	111
25	Imaging Local Heating and Thermal Diffusion of Nanomaterials with Plasmonic Thermal Microscopy. ACS Nano, 2015, 9, 11574-11581.	14.6	63
26	Glucose biosensor based on three dimensional ordered macroporous self-doped polyaniline/Prussian blue bicomponent film. Analytica Chimica Acta, 2012, 723, 94-100.	5.4	41
27	Quantum Dots-Based Immunofluorescent Microfluidic Chip for the Analysis of Glycan Expression at Single-Cells. Analytical Chemistry, 2012, 84, 10097-10104.	6.5	25
28	A novel bienzyme glucose biosensor based on three-layer Auâ€“Fe3O4@SiO2 magnetic nanocomposite. Sensors and Actuators B: Chemical, 2011, 159, 220-228.	7.8	108
29	A novel H2O2 amperometric biosensor based on gold nanoparticles/self-doped polyaniline nanofibers. Bioelectrochemistry, 2011, 82, 87-94.	4.6	77
30	Affinities and Kinetics Detection of Proteinâ€“Small Molecule Interactions with a Monolayer MoS ₂ â€Based Optical Imaging Platform. Small, 0, , 2202622.	10.0	0