

Zixuan Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3840413/publications.pdf>

Version: 2024-02-01

30
papers

1,211
citations

304743

22
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Gold@Silver Nanoprobes for Real-Time Tracing the Entire Autophagy Process at Single-Cell Level. <i>Journal of the American Chemical Society</i> , 2015, 137, 1903-1908.	13.7	111
2	A novel bienzyme glucose biosensor based on three-layer Au@Fe ₃ O ₄ @SiO ₂ magnetic nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 220-228.	7.8	108
3	Bio@Coreactant@Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4907-4914.	13.8	96
4	Dynamically imaging collision electrochemistry of single electrochemiluminescence nano-emitters. <i>Chemical Science</i> , 2018, 9, 6167-6175.	7.4	83
5	A novel H ₂ O ₂ amperometric biosensor based on gold nanoparticles/self-doped polyaniline nanofibers. <i>Bioelectrochemistry</i> , 2011, 82, 87-94.	4.6	77
6	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. <i>Analytical Chemistry</i> , 2018, 90, 4801-4806.	6.5	73
7	Hydrogen Evolution Reaction Monitored by Electrochemiluminescence Blinking at Single-Nanoparticle Level. <i>Nano Letters</i> , 2020, 20, 5008-5016.	9.1	66
8	Imaging Local Heating and Thermal Diffusion of Nanomaterials with Plasmonic Thermal Microscopy. <i>ACS Nano</i> , 2015, 9, 11574-11581.	14.6	63
9	Potential-Resolved Electrochemiluminescence Nanoprobes for Visual Apoptosis Evaluation at Single-Cell Level. <i>Analytical Chemistry</i> , 2019, 91, 6363-6370.	6.5	52
10	Sustainable and Self-Enhanced Electrochemiluminescent Ternary Suprastructures Derived from CsPbBr ₃ Perovskite Quantum Dots. <i>Advanced Functional Materials</i> , 2019, 29, 1902533.	14.9	50
11	Glucose biosensor based on three dimensional ordered macroporous self-doped polyaniline/Prussian blue bicomponent film. <i>Analytica Chimica Acta</i> , 2012, 723, 94-100.	5.4	41
12	Mapping Local Quantum Capacitance and Charged Impurities in Graphene via Plasmonic Impedance Imaging. <i>Advanced Materials</i> , 2015, 27, 6213-6219.	21.0	38
13	Imaging the transient heat generation of individual nanostructures with a mechanoresponsive polymer. <i>Nature Communications</i> , 2017, 8, 1498.	12.8	38
14	Catalytic route electrochemiluminescence microscopy of cell membranes with nitrogen-doped carbon dots as nano-coreactants. <i>Chemical Communications</i> , 2021, 57, 2168-2171.	4.1	37
15	Sodium Alginate Micelle-Encapsulating Zinc Phthalocyanine Dye-Sensitized Photoelectrochemical Biosensor with CdS as the Photoelectric Material for Hg ²⁺ Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16828-16836.	8.0	33
16	A Spectral Shift-Based Electrochemiluminescence Sensor for Hydrogen Sulfide. <i>Analytical Chemistry</i> , 2018, 90, 1334-1339.	6.5	32
17	In Situ Visualization of Electrocatalytic Reaction Activity at Quantum Dots for Water Oxidation. <i>Analytical Chemistry</i> , 2018, 90, 8635-8641.	6.5	30
18	Size-selected and surface-passivated CsPbBr ₃ perovskite nanocrystals for self-enhanced electrochemiluminescence in aqueous media. <i>Nanoscale</i> , 2020, 12, 7321-7329.	5.6	28

#	ARTICLE	IF	CITATIONS
19	Light-Driven Nano-oscillators for Label-Free Single-Molecule Monitoring of MicroRNA. <i>Nano Letters</i> , 2018, 18, 3759-3765.	9.1	27
20	Electrochemiluminescence Investigation of Glucose Transporter 4 Expression at Skeletal Muscle Cells Surface Based on a Graphene Hydrogel Electrode. <i>Analytical Chemistry</i> , 2019, 91, 3021-3026.	6.5	26
21	Quantum Dots-Based Immunofluorescent Microfluidic Chip for the Analysis of Glycan Expression at Single-Cells. <i>Analytical Chemistry</i> , 2012, 84, 10097-10104.	6.5	25
22	Bioâ€œCoreactantâ€œEnhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. <i>Angewandte Chemie</i> , 2021, 133, 4957-4964.	2.0	23
23	Plasmon-enhanced cathodic reduction for accelerating electricity generation in visible-light-assisted microbial fuel cells. <i>Nano Energy</i> , 2019, 57, 94-100.	16.0	15
24	Fermi level-tuned optics of graphene for attocoulomb-scale quantification of electron transfer at single gold nanoparticles. <i>Nature Communications</i> , 2019, 10, 3849.	12.8	14
25	Dynamic Detection of Endogenous Hydroxyl Radicals at Single-Cell Level with Individual Agâ€œAu Nanocages. <i>Analytical Chemistry</i> , 2020, 92, 9940-9947.	6.5	12
26	A ratiometric electrochemiluminescent cytosensor based on polyaniline hydrogel electrodes in spatially separated electrochemiluminescent systems. <i>Analyst</i> , The, 2021, 146, 1835-1838.	3.5	6
27	Label-Free Probing of Electron Transfer Kinetics of Single Microbial Cells on a Single-Layer Graphene via Structural Color Microscopy. <i>Nano Letters</i> , 2021, 21, 7823-7830.	9.1	3
28	A dual-mechanism-driven electrochemiluminescence aptasensor for sensitive detection of β -amyloid peptides. <i>Analytical Methods</i> , 2022, 14, 1739-1746.	2.7	3
29	Spatiotemporal-Resolved Hyperspectral Raman Imaging of Plasmon-Assisted Reactions at Single Hotspots. <i>Analytical Chemistry</i> , 2022, 94, 8174-8180.	6.5	1
30	Affinities and Kinetics Detection of Proteinâ€œSmall Molecule Interactions with a Monolayer MoS ₂ â€œBased Optical Imaging Platform. <i>Small</i> , 0, , 2202622.	10.0	0