

Mengxia Yan

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A dual-amplification mode and Cu-based metal-organic frameworks mediated electrochemical biosensor for sensitive detection of microRNA. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113992.	10.1	32
2	Insight into the performance of different Pt/KL catalysts for <i>n</i> -alkane (C ₆ –C ₈) aromatization: catalytic role of zeolite channels. <i>Catalysis Science and Technology</i> , 2022, 12, 1610-1618.	4.1	13
3	An electrochemical sensor for sensitive detection of dopamine based on a COF/Pt/MWCNT–COOH nanocomposite. <i>Chemical Communications</i> , 2022, 58, 6092-6095.	4.1	46
4	A thiamine-triggered fluorimetric assay for acetylcholinesterase activity and inhibitor screening based on oxidase-like activity of MnO ₂ nanosheets. <i>Talanta</i> , 2021, 221, 121362.	5.5	27
5	Holey nitrogen-doped graphene aerogel for simultaneously electrochemical determination of ascorbic acid, dopamine and uric acid. <i>Talanta</i> , 2021, 224, 121851.	5.5	67
6	Sensitive and Programmable “Signal-Off” Electrochemiluminescence Sensing Platform Based on Cascade Amplification and Multiple Quenching Mechanisms. <i>Analytical Chemistry</i> , 2021, 93, 2644-2651.	6.5	30
7	A ratiometric electrochemiluminescence strategy based on two-dimensional nanomaterial-nucleic acid interactions for biosensing and logic gates operation. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113022.	10.1	23
8	Rational Construction of Ruthenium–Cobalt Oxides Heterostructure in ZIFs-Derived Double-Shelled Hollow Polyhedrons for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2021, 17, e2100998.	10.0	27
9	Electrochemiluminescence Biosensor Based on Entropy-Driven Amplification and a Tetrahedral DNA Nanostructure for miRNA-133a Detection. <i>Analytical Chemistry</i> , 2021, 93, 11809-11815.	6.5	61
10	An intensive and glow-type chemiluminescence of luminol-embedded, guanosine-derived hydrogel. <i>Talanta</i> , 2021, 230, 122351.	5.5	16
11	Electrochemical Immunosensor for Cardiac Troponin I Detection Based on Covalent Organic Framework and Enzyme-Catalyzed Signal Amplification. <i>Analytical Chemistry</i> , 2021, 93, 13572-13579.	6.5	68
12	Label-free immunosensor for cardiac troponin I detection based on aggregation-induced electrochemiluminescence of a distyrylarylene derivative. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113532.	10.1	20
13	Cu ²⁺ enhanced chemiluminescence of carbon dots-H ₂ O ₂ system in alkaline solution. <i>Talanta</i> , 2020, 208, 120380.	5.5	16
14	Ratiometric Electrochemiluminescent/Electrochemical Strategy for Sensitive Detection of MicroRNA Based on Duplex-Specific Nuclease and Multilayer Circuit of Catalytic Hairpin Assembly. <i>Analytical Chemistry</i> , 2020, 92, 8614-8622.	6.5	70
15	In situ formation of fluorescent silicon-containing polymer dots for alkaline phosphatase activity detection and immunoassay. <i>Science China Chemistry</i> , 2020, 63, 554-560.	8.2	22
16	Novel electrochemiluminescence solid-state pH sensor based on an i-motif forming sequence and rolling circle amplification. <i>Chemical Communications</i> , 2020, 56, 8786-8789.	4.1	7
17	Identifying the Activation Mechanism and Boosting Electrocatalytic Activity of Layered Perovskite Ruthenate. <i>Small</i> , 2020, 16, e1906380.	10.0	13
18	Electrochemiluminescence Immunosensor Based on Au Nanocluster and Hybridization Chain Reaction Signal Amplification for Ultrasensitive Detection of Cardiac Troponin I. <i>ACS Sensors</i> , 2019, 4, 2778-2785.	7.8	48

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19	Dual amplification ratiometric biosensor based on a DNA tetrahedron nanostructure and hybridization chain reaction for the ultrasensitive detection of microRNA-133a. <i>Chemical Communications</i> , 2019, 55, 11551-11554.	4.1	50
20	Highly Luminescent and Self-Enhanced Electrochemiluminescence of Tris(bipyridine) Ruthenium(II) Nanohybrid and Its Sensing Application for Label-Free Detection of MicroRNA. <i>Analytical Chemistry</i> , 2019, 91, 13237-13243.	6.5	47
21	Dual-Wavelength Ratiometric Electrochemiluminescence Immunosensor for Cardiac Troponin I Detection. <i>Analytical Chemistry</i> , 2019, 91, 1524-1531.	6.5	105