

Ruiying Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nitrogen-Doped Porous Carbon-ZnO Nanopolyhedra Derived from ZIF-8: New Materials for Photoelectrochemical Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42482-42491.	8.0	130
2	Co ₃ O ₄ @Au Polyhedra: A Multifunctional Signal Amplifier for Sensitive Photoelectrochemical Assay. <i>Analytical Chemistry</i> , 2018, 90, 9480-9486.	6.5	70
3	A sensitive photoelectrochemical assay of miRNA-155 based on a CdSe QDs//NPC-ZnO polyhedra photocurrent-direction switching system and target-triggered strand displacement amplification strategy. <i>Chemical Communications</i> , 2019, 55, 2182-2185.	4.1	43
4	A dual-model on-super off-photoelectrochemical/ratiometric electrochemical biosensor for ultrasensitive and accurate detection of microRNA-224. <i>Biosensors and Bioelectronics</i> , 2021, 188, 113337.	10.1	43
5	Cu@ZnO heterojunction derived from Cu ²⁺ -doped ZIF-8: A new photoelectric material for ultrasensitive PEC immunoassay of CA125 with near-zero background noise. <i>Analytica Chimica Acta</i> , 2020, 1099, 75-84.	5.4	35
6	A new photoelectrochemical immunosensor for ultrasensitive assay of prion protein based on hemin-induced photocurrent direction switching. <i>Biosensors and Bioelectronics</i> , 2019, 132, 55-61.	10.1	33
7	A new photoelectrochemical aptasensor for prion assay based on cyclodextrin and Rhodamine B. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2187-2193.	7.8	28
8	A label-free and blocker-free photoelectrochemical strategy for highly sensitive caspase-3 assay. <i>Chemical Communications</i> , 2018, 54, 4830-4833.	4.1	24
9	Two-dimensional Ti ₂ C MXene-induced photocurrent polarity switching photoelectrochemical biosensing platform for ultrasensitive and selective detection of soluble CD146. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130859.	7.8	18
10	A triple-helix molecular switch photoelectrochemical biosensor for ultrasensitive microRNA detection based on position-controllable CdS//CdTe signal enhancement and switching. <i>Chemical Communications</i> , 2020, 56, 2909-2912.	4.1	17
11	Magnetic-Nanowaxberry-Based Simultaneous Detection of Exosome and Exosomal Proteins for the Intelligent Diagnosis of Cancer. <i>Analytical Chemistry</i> , 2021, 93, 15200-15208.	6.5	17
12	Target-induced photocurrent-polarity switching: a highly selective and sensitive photoelectrochemical sensing platform. <i>Chemical Communications</i> , 2019, 55, 8939-8942.	4.1	16
13	Plasmonic TiO ₂ @Au NPs//CdS QDs photocurrent-direction switching system for ultrasensitive and selective photoelectrochemical biosensing with cathodic background signal. <i>Analytica Chimica Acta</i> , 2021, 1153, 338283.	5.4	16
14	Sensitive and selective photoelectrochemical immunosensing platform based on potential-induced photocurrent-direction switching strategy and a direct Z-scheme CdS//hemin photocurrent-direction switching system. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114346.	3.8	6