Yuan-Cheng Zhu

List of Publications by Year
in descending order

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20 papers	750 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	833 citing authors

#	Article	IF	Citations
1	Photoelectrochemical Cytosensors. Electroanalysis, 2022, 34, 947-955.	2.9	5
2	Recent Advances of Nanostructured Materials for Photoelectrochemical Bioanalysis. Chemosensors, 2022, 10, 14.	3.6	8
3	Target-Dependent Gating of Nanopores Integrated with H-Cell: Toward A General Platform for Photoelectrochemical Bioanalysis. Analytical Chemistry, 2021, 93, 5001-5004.	6.5	22
4	Enzymatic photoelectrochemical bioassay based on hierarchical CdS/NiO heterojunction for glucose determination. Mikrochimica Acta, 2021, 188, 243.	5.0	8
5	Three-dimensional CdS nanosheet-enwrapped carbon fiber framework: Towards split-type CuO-mediated photoelectrochemical immunoassay. Biosensors and Bioelectronics, 2020, 148, 111836.	10.1	17
6	Three-Dimensional ZnInS Nanoflakes@Carbon Fiber Frameworks for Biocatalytic Precipitation-Based Photoelectrochemical Immunoassay. ACS Applied Bio Materials, 2020, 3, 1761-1768.	4.6	10
7	Recent Advances in Electrochemical Sensor and Biosensors for Environmental Contaminants. Nanotechnology in the Life Sciences, 2020, , 1-31.	0.6	1
8	Three-Dimensional TiO₂@Cu₂O@Nickel Foam Electrodes: Design, Characterization, and Validation of O₂-Independent Photocathodic Enzymatic Bioanalysis. ACS Applied Materials & Interfaces, 2019, 11, 25702-25707.	8.0	43
9	Unique Redox Reaction between CuO Photocathode and Cysteine: Insight into the Mechanism for Cathodic Photoelectrochemical Bioanalysis. ACS Applied Bio Materials, 2019, 2, 2703-2707.	4.6	9
10	Three-Dimensional CdS@Carbon Fiber Networks: Innovative Synthesis and Application as a General Platform for Photoelectrochemical Bioanalysis. Analytical Chemistry, 2019, 91, 6419-6423.	6.5	29
11	Semiconducting CuO Nanotubes: Synthesis, Characterization, and Bifunctional Photocathodic Enzymatic Bioanalysis. Analytical Chemistry, 2018, 90, 5439-5444.	6.5	50
12	3D Semiconducting Polymer/Graphene Networks: Toward Sensitive Photocathodic Enzymatic Bioanalysis. Analytical Chemistry, 2018, 90, 9687-9690.	6.5	27
13	Ferroelectric Perovskite Oxide@TiO₂ Nanorod Heterostructures: Preparation, Characterization, and Application as a Platform for Photoelectrochemical Bioanalysis. Analytical Chemistry, 2018, 90, 10803-10811.	6.5	28
14	Photoelectrochemical Probing of Cellular Interfaces and Evaluation of Cellular H₂S Production Based on In Situâ€Generated CdSâ€Enhanced TiO₂ Nanotube Heterostructures. ChemElectroChem, 2017, 4, 1011-1015.	3.4	9
15	DNA sequence functionalized with heterogeneous coreâ€“satellite nanoassembly for novel energy-transfer-based photoelectrochemical bioanalysis. Biosensors and Bioelectronics, 2017, 91, 293-298.	10.1	23
16	Photoelectrochemical Bioanalysis Platform of Gold Nanoparticles Equipped Perovskite Bi₄NbO₈Cl. Analytical Chemistry, 2017, 89, 7869-7875.	6.5	62
17	Alkaline Phosphatase Tagged Antibodies on Gold Nanoparticles/TiO₂ Nanotubes Electrode: A Plasmonic Strategy for Label-Free and Amplified Photoelectrochemical Immunoassay. Analytical Chemistry, 2016, 88, 5626-5630.	6.5	96
18	An ultrasensitive energy-transfer based photoelectrochemical protein biosensor. Chemical Communications, 2016, 52, 3034-3037.	4.1	33

#	ARTICLE	IF	CITATIONS
19	DNA Labeling Generates a Unique Amplification Probe for Sensitive Photoelectrochemical Immunoassay of HIV-1 p24 Antigen. Analytical Chemistry, 2015, 87, 5496-5499.	6.5	70
20	Quantum Dots: Electrochemiluminescent and Photoelectrochemical Bioanalysis. Analytical Chemistry, 2015, 87, 9520-9531.	6.5	200