

Yuan-Cheng Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Quantum Dots: Electrochemiluminescent and Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2015, 87, 9520-9531.	6.5	200
2	Alkaline Phosphatase Tagged Antibodies on Gold Nanoparticles/TiO ₂ Nanotubes Electrode: A Plasmonic Strategy for Label-Free and Amplified Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2016, 88, 5626-5630.	6.5	96
3	DNA Labeling Generates a Unique Amplification Probe for Sensitive Photoelectrochemical Immunoassay of HIV-1 p24 Antigen. <i>Analytical Chemistry</i> , 2015, 87, 5496-5499.	6.5	70
4	Photoelectrochemical Bioanalysis Platform of Gold Nanoparticles Equipped Perovskite Bi ₄ NbO ₈ Cl. <i>Analytical Chemistry</i> , 2017, 89, 7869-7875.	6.5	62
5	Semiconducting CuO Nanotubes: Synthesis, Characterization, and Bifunctional Photocathodic Enzymatic Bioanalysis. <i>Analytical Chemistry</i> , 2018, 90, 5439-5444.	6.5	50
6	Three-Dimensional TiO ₂ @Cu ₂ O@Nickel Foam Electrodes: Design, Characterization, and Validation of O ₂ -Independent Photocathodic Enzymatic Bioanalysis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25702-25707.	8.0	43
7	An ultrasensitive energy-transfer based photoelectrochemical protein biosensor. <i>Chemical Communications</i> , 2016, 52, 3034-3037.	4.1	33
8	Three-Dimensional CdS@Carbon Fiber Networks: Innovative Synthesis and Application as a General Platform for Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2019, 91, 6419-6423.	6.5	29
9	Ferroelectric Perovskite Oxide@TiO ₂ Nanorod Heterostructures: Preparation, Characterization, and Application as a Platform for Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2018, 90, 10803-10811.	6.5	28
10	3D Semiconducting Polymer/Graphene Networks: Toward Sensitive Photocathodic Enzymatic Bioanalysis. <i>Analytical Chemistry</i> , 2018, 90, 9687-9690.	6.5	27
11	DNA sequence functionalized with heterogeneous core-satellite nanoassembly for novel energy-transfer-based photoelectrochemical bioanalysis. <i>Biosensors and Bioelectronics</i> , 2017, 91, 293-298.	10.1	23
12	Target-Dependent Gating of Nanopores Integrated with H-Cell: Toward A General Platform for Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2021, 93, 5001-5004.	6.5	22
13	Three-dimensional CdS nanosheet-enwrapped carbon fiber framework: Towards split-type CuO-mediated photoelectrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111836.	10.1	17
14	Three-Dimensional ZnInS Nanoflakes@Carbon Fiber Frameworks for Biocatalytic Precipitation-Based Photoelectrochemical Immunoassay. <i>ACS Applied Bio Materials</i> , 2020, 3, 1761-1768.	4.6	10
15	Photoelectrochemical Probing of Cellular Interfaces and Evaluation of Cellular H ₂ S Production Based on In Situ-Generated Cd-Enhanced TiO ₂ Nanotube Heterostructures. <i>ChemElectroChem</i> , 2017, 4, 1011-1015.	3.4	9
16	Unique Redox Reaction between CuO Photocathode and Cysteine: Insight into the Mechanism for Cathodic Photoelectrochemical Bioanalysis. <i>ACS Applied Bio Materials</i> , 2019, 2, 2703-2707.	4.6	9
17	Enzymatic photoelectrochemical bioassay based on hierarchical CdS/NiO heterojunction for glucose determination. <i>Mikrochimica Acta</i> , 2021, 188, 243.	5.0	8
18	Recent Advances of Nanostructured Materials for Photoelectrochemical Bioanalysis. <i>Chemosensors</i> , 2022, 10, 14.	3.6	8

#	ARTICLE	IF	CITATIONS
19	Photoelectrochemical Cytosensors. <i>Electroanalysis</i> , 2022, 34, 947-955.	2.9	5
20	Recent Advances in Electrochemical Sensor and Biosensors for Environmental Contaminants. <i>Nanotechnology in the Life Sciences</i> , 2020, , 1-31.	0.6	1