

Sudip Saha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancing the Sensitivity of Photoelectrochemical DNA Biosensing Using Plasmonic DNA Barcodes and Differential Signal Readout. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7316-7322.	7.2	49
2	Affinity-Based Detection of Biomolecules Using Photo-Electrochemical Readout. <i>Frontiers in Chemistry</i> , 2019, 7, 617.	1.8	39
3	Enhancing the Photoelectrochemical Response of DNA Biosensors Using Wrinkled Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31178-31185.	4.0	36
4	Solution-processed wrinkled electrodes enable the development of stretchable electrochemical biosensors. <i>Analyst</i> , 2019, 144, 172-179.	1.7	24
5	Integrating TiO ₂ Nanoparticles within a Catecholic Polymeric Network Enhances the Photoelectrochemical Response of Biosensors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16186-16193.	1.5	18
6	Surface Functionalization of Metal Oxide Semiconductors with Catechol Ligands for Enhancing Their Photoactivity. <i>Solar Rrl</i> , 2021, 5, 2100512.	3.1	16
7	Hot hole direct photoelectrochemistry of Au NPs: Interband versus Intraband hot carriers. <i>Electrochimica Acta</i> , 2022, 404, 139746.	2.6	14
8	Modulating the photoelectrochemical response of titanium dioxide (TiO ₂) photoelectrodes using gold (Au) nanoparticles excited at different wavelengths. <i>Electrochimica Acta</i> , 2021, 380, 138154.	2.6	13
9	Differential Photoelectrochemical Biosensing Using DNA Nanospacers to Modulate Electron Transfer between Metal and Semiconductor Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36895-36905.	4.0	12
10	Investigation of cross-hatch in In _{0.3} Ga _{0.7} As pseudo-substrates. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	11
11	Enhancing the Sensitivity of Photoelectrochemical DNA Biosensing Using Plasmonic DNA Barcodes and Differential Signal Readout. <i>Angewandte Chemie</i> , 2021, 133, 7392-7398.	1.6	8
12	Two-Step Competitive Hybridization Assay: A Method for Analyzing Cancer-Related microRNA Embedded in Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 15913-15921.	3.2	8
13	A portable and smartphone-operated photoelectrochemical reader for point-of-care biosensing. <i>Electrochimica Acta</i> , 2022, 419, 140347.	2.6	8
14	Comparison of different grading approaches in metamorphic buffers grown on a GaAs substrate. <i>Journal of Crystal Growth</i> , 2014, 386, 183-189.	0.7	6
15	TiO ₂ Nanoparticles Co-Sensitized with Graphene Quantum Dots and Pyrocatechol Violet for Photoelectrochemical Detection of Cr(VI). <i>Journal of the Electrochemical Society</i> , 0, , .	1.3	4