

Gayan Premaratne

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

201
citations

1162889

8
h-index

1281743

11
g-index

11
all docs

11
docs citations

11
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	Lab-on-paper aptasensor for label-free picomolar detection of a pancreatic hormone in serum. <i>Biosensors and Bioelectronics</i> : X, 2022, 10, 100114.	0.9	4
2	Plasmonic nucleotide hybridization chip for attomolar detection: localized gold and tagged core/shell nanomaterials. <i>Lab on A Chip</i> , 2020, 20, 717-721.	3.1	10
3	Multiplexed surface plasmon imaging of serum biomolecules: Fe ₃ O ₄ @Au Core/shell nanoparticles with plasmonic simulation insights. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126956.	4.0	23
4	Electrochemical and Surface-Plasmon Correlation of a Serum-Autoantibody Immunoassay with Binding Insights: Graphenyl Surface versus Mercapto-Monolayer Surface. <i>Analytical Chemistry</i> , 2018, 90, 12456-12463.	3.2	24
5	Pyrenyl-carbon nanostructures for scalable enzyme electrocatalysis and biological fuel cells. <i>Analyst</i> , 2018, 143, 2876-2882.	1.7	6
6	Improved electrocatalytic metabolite production and drug biosensing by human liver microsomes immobilized on amine-functionalized magnetic nanoparticles. <i>Electrochimica Acta</i> , 2018, 280, 101-107.	2.6	20
7	Pyrenyl carbon nanostructures for ultrasensitive measurements of formaldehyde in urine. <i>Analytica Chimica Acta</i> , 2017, 970, 23-29.	2.6	32
8	Measuring ultra-low levels of nucleotide biomarkers using quartz crystal microbalance and SPR microarray imaging methods: A comparative analysis. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 368-375.	4.0	33
9	NanoArmoring of Enzymes by Polymer-Functionalized Iron Oxide Nanoparticles. <i>Methods in Enzymology</i> , 2017, 590, 225-257.	0.4	8
10	Combined covalent and noncovalent carboxylation of carbon nanotubes for sensitivity enhancement of clinical immunosensors. <i>Chemical Communications</i> , 2016, 52, 13039-13042.	2.2	27
11	Stability, scalability, and reusability of a volume efficient biocatalytic system constructed on magnetic nanoparticles. <i>Catalysis Science and Technology</i> , 2016, 6, 2361-2369.	2.1	14