

Vigneshwaran Mani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12002133/publications.pdf>

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15
papers

1,493
citations

687363

13
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2431
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive Immunosensor for Cancer Biomarker Proteins Using Gold Nanoparticle Film Electrodes and Multienzyme-Particle Amplification. <i>ACS Nano</i> , 2009, 3, 585-594.	14.6	490
2	Microfluidic electrochemical immunoarray for ultrasensitive detection of two cancer biomarker proteins in serum. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4477-4483.	10.1	209
3	Attomolar Detection of a Cancer Biomarker Protein in Serum by Surface Plasmon Resonance Using Superparamagnetic Particle Labels. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1175-1178.	13.8	179
4	Magnetically Guided Self-Assembly and Coding of 3D Living Architectures. <i>Advanced Materials</i> , 2018, 30, 1705034.	21.0	96
5	Resistive-pulse measurements with nanopipettes: detection of Au nanoparticles and nanoparticle-bound anti-peanut IgY. <i>Chemical Science</i> , 2013, 4, 655-663.	7.4	90
6	Loss of Endothelium-Derived Wnt5a Is Associated With Reduced Pericyte Recruitment and Small Vessel Loss in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2019, 139, 1710-1724.	1.6	90
7	Paper-Based Electrochemiluminescent Screening for Genotoxic Activity in the Environment. <i>Environmental Science & Technology</i> , 2013, 47, 1937-1944.	10.0	74
8	A microfluidic electrochemical device for high sensitivity biosensing: Detection of nanomolar hydrogen peroxide. <i>Electrochemistry Communications</i> , 2009, 11, 819-822.	4.7	65
9	Magnetic particles in ultrasensitive biomarker protein measurements for cancer detection and monitoring. <i>Expert Opinion on Medical Diagnostics</i> , 2011, 5, 381-391.	1.6	55
10	Highly Efficient Binding of Paramagnetic Beads Bioconjugated with 100,000 or More Antibodies to Protein-Coated Surfaces. <i>Analytical Chemistry</i> , 2012, 84, 10485-10491.	6.5	48
11	Microfluidic Electrochemical Array for Detection of Reactive Metabolites Formed by Cytochrome P450 Enzymes. <i>Analytical Chemistry</i> , 2011, 83, 9499-9506.	6.5	32
12	Microchip-based ultrafast serodiagnostic assay for tuberculosis. <i>Scientific Reports</i> , 2016, 6, 35845.	3.3	25
13	Epithelial-to-Mesenchymal Transition (EMT) and Drug Response in Dynamic Bioengineered Lung Cancer Microenvironment. <i>Advanced Biology</i> , 2019, 3, e1800223.	3.0	22
14	Comparison of DNA-Reactive Metabolites from Nitrosamine and Styrene Using Voltammetric DNA/Microsomes Sensors. <i>Electroanalysis</i> , 2009, 21, 1005-1013.	2.9	6
15	Erratum to "A microfluidic electrochemical device for high sensitivity biosensing: Detection of nanomolar hydrogen peroxide". <i>Electrochemistry Communications</i> , 2009, 11, 1092.	4.7	1