

Chaker Tlili

List of Publications by Year in descending order

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42
papers

1,501
citations

304368

22
h-index

315357

38
g-index

42
all docs

42
docs citations

42
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical immunosensor for the milk allergen \hat{I}^2 -lactoglobulin based on electrografting of organic film on graphene modified screen-printed carbon electrodes. <i>Biosensors and Bioelectronics</i> , 2012, 38, 308-313.	5.3	129
2	Bacteria Screening, Viability, And Confirmation Assays Using Bacteriophage-Impedimetric/Loop-Mediated Isothermal Amplification Dual-Response Biosensors. <i>Analytical Chemistry</i> , 2013, 85, 4893-4901.	3.2	117
3	A bacteriophage endolysin-based electrochemical impedance biosensor for the rapid detection of <i>Listeria</i> cells. <i>Analyst, The</i> , 2012, 137, 5749.	1.7	114
4	Selection, Characterization, and Biosensing Application of High Affinity Congener-Specific Microcystin-Targeting Aptamers. <i>Environmental Science & Technology</i> , 2012, 46, 10697-10703.	4.6	109
5	Label-free, chemiresistor immunosensor for stress biomarker cortisol in saliva. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4382-4386.	5.3	94
6	Electrochemical impedance probing of DNA hybridisation on oligonucleotide-functionalised polypyrrole. <i>Talanta</i> , 2005, 68, 131-137.	2.9	87
7	Label-free impedimetric immunosensor for ultrasensitive detection of cancer marker Murine double minute 2 in brain tissue. <i>Biosensors and Bioelectronics</i> , 2013, 39, 220-225.	5.3	76
8	Fibroblast Cells: A Sensing Bioelement for Glucose Detection by Impedance Spectroscopy. <i>Analytical Chemistry</i> , 2003, 75, 3340-3344.	3.2	62
9	Functionalized CVD monolayer graphene for label-free impedimetric biosensing. <i>Nano Research</i> , 2015, 8, 1698-1709.	5.8	59
10	Study of Langmuir and Langmuir-Blodgett Films of Odorant-Binding Protein/Amphiphile for Odorant Biosensors. <i>Langmuir</i> , 2005, 21, 4058-4065.	1.6	55
11	Single-walled carbon nanotube chemoresistive label-free immunosensor for salivary stress biomarkers. <i>Analyst, The</i> , 2010, 135, 2637.	1.7	47
12	High-efficiency dispersion and sorting of single-walled carbon nanotubes via non-covalent interactions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11339-11368.	2.7	46
13	Fluorescence Lifetime Imaging of Quantum Dot Labeled DNA Microarrays. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1930-1941.	1.8	42
14	Poly(3-aminophenylboronic acid)-functionalized carbon nanotubes-based chemiresistive sensors for detection of sugars. <i>Analyst, The</i> , 2014, 139, 3077-3082.	1.7	38
15	Single-walled carbon nanotubes chemiresistor aptasensors for small molecules: picomolar level detection of adenosine triphosphate. <i>Chemical Communications</i> , 2011, 47, 3793.	2.2	36
16	Label-Free Sensitive Detection of Microcystin-LR via Aptamer-Conjugated Gold Nanoparticles Based on Solid-State Nanopores. <i>Langmuir</i> , 2018, 34, 14825-14833.	1.6	32
17	Study of mixed Langmuir-Blodgett films of immunoglobulin G/amphiphile and their application for immunosensor engineering. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1126-1133.	5.3	30
18	Amperometric glucose biosensor based on electroconductive hydrogels. <i>Talanta</i> , 2013, 103, 228-235.	2.9	29

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19	Detection of ESAT-6 by a label free miniature immuno-electrochemical biosensor as a diagnostic tool for tuberculosis. <i>Materials Science and Engineering C</i> , 2017, 74, 465-470.	3.8	28
20	High-efficiency synthesis of large-area monolayer WS ₂ crystals on SiO ₂ /Si substrate via NaCl-assisted atmospheric pressure chemical vapor deposition. <i>Applied Surface Science</i> , 2020, 533, 147479.	3.1	27
21	Preliminary identification of unicellular algal genus by using combined confocal resonance Raman spectroscopy with PCA and DPLS analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 417-422.	2.0	24
22	Facile and Controllable Synthesis of Large-Area Monolayer WS ₂ Flakes Based on WO ₃ Precursor Drop-Casted Substrates by Chemical Vapor Deposition. <i>Nanomaterials</i> , 2019, 9, 578.	1.9	24
23	Bioactive Electroconductive Hydrogels: The Effects of Electropolymerization Charge Density on the Storage Stability of an Enzyme-Based Biosensor. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 878-888.	1.4	23
24	Direct electrochemical probing of DNA hybridization on oligonucleotide-functionalized polypyrrole. <i>Materials Science and Engineering C</i> , 2008, 28, 848-854.	3.8	22
25	Covalent Modification of Silicon Nitride Nanopore by Amphoteric Polylysine for Short DNA Detection. <i>ACS Omega</i> , 2017, 2, 7127-7135.	1.6	20
26	Tungsten Disulfide Nanosheet-Based Field-Effect Transistor Biosensor for DNA Hybridization Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 5035-5044.	2.4	17
27	Solution state hybridization detection using time-resolved fluorescence anisotropy of quantum dot-DNA bioconjugates. <i>Chemical Physics Letters</i> , 2010, 484, 309-314.	1.2	15
28	MULTI-FACTORIAL ANALYSIS OF CLASS PREDICTION ERROR: ESTIMATING OPTIMAL NUMBER OF BIOMARKERS FOR VARIOUS CLASSIFICATION RULES. <i>Journal of Bioinformatics and Computational Biology</i> , 2010, 08, 945-965.	0.3	14
29	A Highly Sensitive Label-free Aptasensor Based on Gold Nanourchins and Carbon Nanohorns for the Detection of Lipocalin-2 (LCN-2). <i>Analytical Sciences</i> , 2021, 37, 825-831.	0.8	14
30	Nanopore-based aptasensor for label-free and sensitive vanillin determination in food samples. <i>Food Chemistry</i> , 2022, 389, 133051.	4.2	13
31	Fast DNA and protein microarray tests for the diagnosis of hepatitis C virus infection on a single platform. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2549-2559.	1.9	11
32	Graphene-based liquid gated field-effect transistor for label-free detection of DNA hybridization. , 2021, , .		7
33	Highly sensitive fluorescence multiplexed miRNAs biosensors for accurate clinically diagnosis lung cancer disease using LNA-modified DNA probe and DSN enzyme. <i>Analytica Chimica Acta</i> , 2022, 1208, 339778.	2.6	7
34	Peptide-tags for enhanced DNA microarray performance. <i>Faraday Discussions</i> , 2011, 149, 201-210.	1.6	6
35	Affinity chemiresistor sensor for sugars. <i>Talanta</i> , 2014, 128, 473-479.	2.9	6
36	Graphene Nanoplatelets-Based Aptamer Biochip for the Detection of Lipocalin-2. <i>IEEE Sensors Journal</i> , 2019, 19, 9592-9599.	2.4	6

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37	DNA-functionalized biosensor for amplifying signal detection of DNA methyltransferase activity. Journal of Electroanalytical Chemistry, 2021, 891, 115260.	1.9	5
38	Recent Advances in Ultrasensitive miRNA Biomarkers Detection. Smart Sensors, Measurement and Instrumentation, 2021, , 137-164.	0.4	4
39	Development of an ELISA for distinguishing convalescent sera with Mycoplasma hyopneumoniae infection from hyperimmune sera responses to bacterin vaccination in pigs. Veterinary Medicine and Science, 2021, 7, 1831-1840.	0.6	3
40	Graphene Nanoplatelets-Based Aptamer Biochip for the Detection of Lipocalin-2. , 2018, , .		2
41	Impedance-Probing of Mixed Amphiphile-Antibody Films Transferred onto Silver Electrodes. Sensor Letters, 2004, 2, 246-251.	0.4	1
42	Elaboration of odorant biosensors based on Langmuir-Blodgett technique. Journal of Advanced Science, 2005, 17, 49-54.	0.1	0