

Chaker Tlili

List of Publications by Year in descending order

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42
papers

1,501
citations

304368

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315357

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all docs

42
docs citations

42
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Tungsten Disulfide Nanosheet-Based Field-Effect Transistor Biosensor for DNA Hybridization Detection. ACS Applied Nano Materials, 2022, 5, 5035-5044.	2.4	17
2	Highly sensitive fluorescence multiplexed miRNAs biosensors for accurate clinically diagnosis lung cancer disease using LNA-modified DNA probe and DSN enzyme. Analytica Chimica Acta, 2022, 1208, 339778.	2.6	7
3	Nanopore-based aptasensor for label-free and sensitive vanillin determination in food samples. Food Chemistry, 2022, 389, 133051.	4.2	13
4	Graphene-based liquid gated field-effect transistor for label-free detection of DNA hybridization. , 2021, , .		7
5	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
6	A Highly Sensitive Label-free Aptasensor Based on Gold Nanourchins and Carbon Nanohorns for the Detection of Lipocalin-2 (LCN-2). Analytical Sciences, 2021, 37, 825-831.	0.8	14
7	DNA-functionalized biosensor for amplifying signal detection of DNA methyltransferase activity. Journal of Electroanalytical Chemistry, 2021, 891, 115260.	1.9	5
8	Recent Advances in Ultrasensitive miRNA Biomarkers Detection. Smart Sensors, Measurement and Instrumentation, 2021, , 137-164.	0.4	4
9	High-efficiency synthesis of large-area monolayer WS ₂ crystals on SiO ₂ /Si substrate via NaCl-assisted atmospheric pressure chemical vapor deposition. Applied Surface Science, 2020, 533, 147479.	3.1	27
10	Graphene Nanoplatelets-Based Aptamer Biochip for the Detection of Lipocalin-2. IEEE Sensors Journal, 2019, 19, 9592-9599.	2.4	6
11	Facile and Controllable Synthesis of Large-Area Monolayer WS ₂ Flakes Based on WO ₃ Precursor Drop-Casted Substrates by Chemical Vapor Deposition. Nanomaterials, 2019, 9, 578.	1.9	24
12	Preliminary identification of unicellular algal genus by using combined confocal resonance Raman spectroscopy with PCA and DPLS analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 417-422.	2.0	24
13	Graphene Nanoplatelets-Based Aptamer Biochip for the Detection of Lipocalin-2. , 2018, , .		2
14	Label-Free Sensitive Detection of Microcystin-LR via Aptamer-Conjugated Gold Nanoparticles Based on Solid-State Nanopores. Langmuir, 2018, 34, 14825-14833.	1.6	32
15	Detection of ESAT-6 by a label free miniature immuno-electrochemical biosensor as a diagnostic tool for tuberculosis. Materials Science and Engineering C, 2017, 74, 465-470.	3.8	28
16	Covalent Modification of Silicon Nitride Nanopore by Amphoteric Polylysine for Short DNA Detection. ACS Omega, 2017, 2, 7127-7135.	1.6	20
17	High-efficiency dispersion and sorting of single-walled carbon nanotubes <i>via</i> non-covalent interactions. Journal of Materials Chemistry C, 2017, 5, 11339-11368.	2.7	46
18	Functionalized CVD monolayer graphene for label-free impedimetric biosensing. Nano Research, 2015, 8, 1698-1709.	5.8	59

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19	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
20	Affinity chemiresistor sensor for sugars. <i>Talanta</i> , 2014, 128, 473-479.	2.9	6
21	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
22	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
23	Amperometric glucose biosensor based on electroconductive hydrogels. <i>Talanta</i> , 2013, 103, 228-235.	2.9	29
24	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
25	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
26	Electrochemical immunosensor for the milk allergen β -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
27	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
28	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
29	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
30	Label-free, chemiresistor immunosensor for stress biomarker cortisol in saliva. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4382-4386.	5.3	94
31	Peptide-tags for enhanced DNA microarray performance. <i>Faraday Discussions</i> , 2011, 149, 201-210.	1.6	6
32	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
33	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
34	Single-walled carbon nanotube chemoresistive label-free immunosensor for salivary stress biomarkers. <i>Analyst, The</i> , 2010, 135, 2637.	1.7	47
35	Fluorescence Lifetime Imaging of Quantum Dot Labeled DNA Microarrays. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1930-1941.	1.8	42
36	Direct electrochemical probing of DNA hybridization on oligonucleotide-functionalized polypyrrole. <i>Materials Science and Engineering C</i> , 2008, 28, 848-854.	3.8	22

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37	Elaboration of odorant biosensors based on Langmuir-Blodgett technique. Journal of Advanced Science, 2005, 17, 49-54.	0.1	0
38	Study of Langmuir and Langmuir-Blodgett Films of Odorant-Binding Protein/Amphiphile for Odorant Biosensors. Langmuir, 2005, 21, 4058-4065.	1.6	55
39	Electrochemical impedance probing of DNA hybridisation on oligonucleotide-functionalised polypyrrole. Talanta, 2005, 68, 131-137.	2.9	87
40	Study of mixed Langmuir-Blodgett films of immunoglobulin G/amphiphile and their application for immunosensor engineering. Biosensors and Bioelectronics, 2004, 20, 1126-1133.	5.3	30
41	Impedance-Probing of Mixed Amphiphile-Antibody Films Transferred onto Silver Electrodes. Sensor Letters, 2004, 2, 246-251.	0.4	1
42	Fibroblast Cells: A Sensing Bioelement for Glucose Detection by Impedance Spectroscopy. Analytical Chemistry, 2003, 75, 3340-3344.	3.2	62