

Liang Tan

List of Publications by Year in descending order

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41
papers

1,202
citations

430874

18
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

2100
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous determination of Cd(II) and Pb(II) using square wave anodic stripping voltammetry at a gold nanoparticle-graphene-cysteine composite modified bismuth film electrode. <i>Electrochimica Acta</i> , 2014, 115, 471-477.	5.2	195
2	Carbon nanotube-based label-free electrochemical biosensor for sensitive detection of miRNA-24. <i>Biosensors and Bioelectronics</i> , 2014, 54, 158-164.	10.1	113
3	A simple non-enzymatic hydrogen peroxide sensor using gold nanoparticles-graphene-chitosan modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 165-170.	7.8	96
4	In vitro study on the individual and synergistic cytotoxicity of adriamycin and selenium nanoparticles against Bel7402 cells with a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2268-2272.	10.1	81
5	Direct electrochemistry of cholesterol oxidase immobilized on gold nanoparticles-decorated multiwalled carbon nanotubes and cholesterol sensing. <i>Talanta</i> , 2013, 106, 192-199.	5.5	78
6	Biocompatible multi-walled carbon nanotube-chitosan-folic acid nanoparticle hybrids as GFP gene delivery materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 224-231.	5.0	61
7	Electrochemical immunoassay for carcinoembryonic antigen using gold nanoparticle-graphene composite modified glassy carbon electrode. <i>Talanta</i> , 2013, 116, 809-815.	5.5	48
8	An reagentless glucose biosensor based on direct electrochemistry of glucose oxidase immobilized on poly(methylene blue) doped silica nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2012, 165, 126-132.	7.8	45
9	Dynamic measurement of the surface stress induced by the attachment and growth of cells on Au electrode with a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1603-1609.	10.1	34
10	Poly(methylene blue) doped silica nanocomposites with crosslinked cage structure: Electropolymerization, characterization and catalytic activity for reduction of dissolved oxygen. <i>Electrochimica Acta</i> , 2011, 56, 10055-10063.	5.2	29
11	Real Time Analysis of Binding between Rituximab (Anti-CD20 Antibody) and B Lymphoma Cells. <i>Analytical Chemistry</i> , 2013, 85, 8543-8551.	6.5	25
12	Voltammetric detection of Cu ²⁺ using poly(azure A) modified glassy carbon electrode based on mimic peroxidase behavior of copper. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 568-574.	7.8	24
13	One-pot preparation of conductive composite containing boronic acid derivative for non-enzymatic glucose detection. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 1-8.	9.4	24
14	Non-enzymatic detection of glucose using poly(azure A)-nickel modified glassy carbon electrode. <i>Talanta</i> , 2016, 156-157, 134-140.	5.5	23
15	A Metal-Organic Gel-Carbon Nanotube Nanocomposite for Electrochemical Detection of Nitrite. <i>ACS Applied Electronic Materials</i> , 2021, 3, 761-768.	4.3	23
16	A dynamic study on reversal of multidrug resistance by ginsenoside Rh2 in adriamycin-resistant human breast cancer MCF-7 cells. <i>Talanta</i> , 2012, 88, 345-351.	5.5	22
17	Magnetically enhanced cytotoxicity of paramagnetic selenium-ferroferric oxide nanocomposites on human osteoblast-like MG-63 cells. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1116-1121.	10.1	21
18	Non-enzymatic detection of hydrogen peroxide based on Fenton-type reaction on poly(azure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	5.2	18

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19	Label-Free and Sensitive Detection of Thrombomodulin, a Marker of Endothelial Cell Injury, Using Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 2015, 87, 11277-11284.	6.5	17
20	Voltammetric determination of reduced glutathione using poly(thionine) as a mediator in the presence of Fenton-type reaction. <i>Talanta</i> , 2017, 170, 399-405.	5.5	17
21	Sensitive immunoassay of von Willebrand factor based on fluorescence resonance energy transfer between graphene quantum dots and Ag@Au nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 286-292.	5.0	17
22	Investigation of photo-induced electron transfer between amino-functionalized graphene quantum dots and selenium nanoparticle and its application for sensitive fluorescent detection of copper ions. <i>Talanta</i> , 2019, 197, 341-347.	5.5	16
23	Electrochemical piezoelectric quartz crystal impedance study on the interaction between concanavalin A and glycogen at Au electrodes. <i>Bioelectrochemistry</i> , 2007, 70, 348-355.	4.6	15
24	Real-time monitoring of cell mechanical changes induced by endothelial cell activation and their subsequent binding with leukemic cell lines. <i>Biosensors and Bioelectronics</i> , 2014, 56, 151-158.	10.1	15
25	Electrochemical immunoassay on expression of integrin $\beta 1$ on tumor cells and drug-resistant tumor cells. <i>Biosensors and Bioelectronics</i> , 2012, 38, 389-395.	10.1	14
26	One-step preparation of poly(glyoxal-bis(2-hydroxyanil))-amino-functionalized graphene quantum dots-MnO ₂ composite on electrode surface for simultaneous determination of vitamin B ₂ and dopamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123652.	4.7	14
27	Ultrasensitive determination of mercury ions using a glassy carbon electrode modified with nanocomposites consisting of conductive polymer and amino-functionalized graphene quantum dots. <i>Mikrochimica Acta</i> , 2020, 187, 210.	5.0	14
28	Determination of aminophylline based on fluorescence quenching of amino-functionalized graphene quantum dots induced by photoilluminated riboflavin-aminophylline system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 235, 118306.	3.9	13
29	Detection of adherent cells using electrochemical impedance spectroscopy based on molecular recognition of integrin $\beta 1$. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 87-93.	7.8	12
30	Electrochemical Determination of Vitamin B ₁₂ Based on Cu ²⁺ -Involved Fenton-Like Reaction. <i>Electroanalysis</i> , 2019, 31, 1155-1163.	2.9	12
31	Electrochemical Immunoassay of Endothelin-1 Based on a Fenton-Type Reaction Using Cu(II)-Containing Nanocomposites as Nanozymes. <i>Analytical Chemistry</i> , 2020, 92, 15916-15926.	6.5	12
32	Quartz crystal microbalance monitoring of intervention of doxorubicin-loaded core-shell magnetic silica nanospheres on human breast cancer cells (MCF-7). <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 433-440.	7.8	8
33	Quantification of Bax protein on tumor cells based on electrochemical immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 506-514.	7.8	8
34	Label-free electrochemical immunoassay of Bcl-2 protein expression on tumor cells. <i>Talanta</i> , 2015, 132, 479-485.	5.5	8
35	Fluorescence on-off-on Assay of Copper Ions and EDTA Using Amino-Functionalized Graphene Quantum Dots. <i>Journal of Fluorescence</i> , 2020, 30, 301-308.	2.5	8
36	Simultaneous Detection of Sulfite and Nitrite on Graphene Oxide Nanoribbons-Gold Nanoparticles Composite Modified Electrode. <i>Electroanalysis</i> , 2022, 34, 103-110.	2.9	6

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37	Highly sensitive turn-on fluorescence detection of thrombomodulin based on fluorescence resonance energy transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 675-680.	3.9	5
38	<i>In Vitro</i> Electrochemical Study on Combined Cytotoxicity of 5-Fluorouracil and Three Types of Nanoparticles Against MG-63 Cells. <i>Analytical Letters</i> , 2011, 44, 698-708.	1.8	3
39	Real-time monitoring of oxidative injury of vascular endothelial cells and protective effect of quercetin using quartz crystal microbalance. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8415-8425.	3.7	3
40	Preparation of poly(caffeic acid)-CoP nanoparticle film on electrode surface and sensitive voltammetric detection of acetaminophen. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127173.	4.7	3
41	One-pot preparation of conducting composite containing abundant amino groups on electrode surface for electrochemical detection of von willebrand factor. <i>Applied Surface Science</i> , 2018, 433, 847-854.	6.1	2