

# Guozhen Liu

## List of Publications by Year in descending order

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152  
papers

7,528  
citations

47409

49  
h-index

75989

78  
g-index

155  
all docs

155  
docs citations

155  
times ranked

8409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Food additives: From functions to analytical methods. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8497-8517.	5.4	54
2	A smartphone-based visual biosensor for CRISPR-Cas powered SARS-CoV-2 diagnostics. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113646.	5.3	79
3	Multiplexed Profiling of Extracellular Vesicles for Biomarker Development. <i>Nano-Micro Letters</i> , 2022, 14, 3.	14.4	31
4	Insulin quantification towards early diagnosis of prediabetes/diabetes. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114029.	5.3	18
5	The advances in nanomedicine for bone and cartilage repair. <i>Journal of Nanobiotechnology</i> , 2022, 20, 141.	4.2	43
6	Materials with Tunable Optical Properties for Wearable Epidermal Sensing in Health Monitoring. <i>Advanced Materials</i> , 2022, 34, e2109055.	11.1	74
7	Advances in nucleic acid amplification techniques (NAATs): COVID-19 point-of-care diagnostics as an example. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114109.	5.3	82
8	SERS-based CRISPR/Cas assay on microfluidic paper analytical devices for supersensitive detection of pathogenic bacteria in foods. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114167.	5.3	98
9	Smartphone assisted portable biochip for non-invasive simultaneous monitoring of glucose and insulin towards precise diagnosis of prediabetes/diabetes. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114251.	5.3	30
10	Microstructural and electrochemical investigations of conductive bio-nanocomposite hydrogel based biosensing device. <i>Materials Today: Proceedings</i> , 2022, 62, 638-643.	0.9	3
11	Sensors and Techniques for Creatinine Detection: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 11427-11438.	2.4	7
12	Biosensor Based on Bioreceptor: A Potential Biomedical Device Toward Early Detection of Bone Cancer. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 309-320.	0.3	1
13	Growth factors: avenues for the treatment of myocardial infarction and potential delivery strategies. <i>Regenerative Medicine</i> , 2022, 17, 561-579.	0.8	2
14	Diazonium Salts and the Related Compounds for the Design of Biosensors. <i>Physical Chemistry in Action</i> , 2022, , 359-378.	0.1	1
15	Digital Quantification Method for Sensitive Point-of-Care Detection of Salivary Uric Acid Using Smartphone-Assisted $\mu$ PADs. <i>ACS Sensors</i> , 2022, 7, 2049-2057.	4.0	29
16	CRISPR-Cas based detection for food safety problems: Current status, challenges, and opportunities. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 3770-3798.	5.9	52
17	Recent Progress in Short- to Long-Wave Infrared Photodetection Using 2D Materials and Heterostructures. <i>Advanced Optical Materials</i> , 2021, 9, 2001708.	3.6	118
18	Current methods for diagnosis of human coronaviruses: pros and cons. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2311-2330.	1.9	47

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19	A novel rare cell sorting microfluidic chip based on magnetic nanoparticle labels. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 034003.	1.5	10
20	Modular immune-homeostatic microparticles promote immune tolerance in mouse autoimmune models. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	24
21	Enhancing the analytical performance of paper lateral flow assays: From chemistry to engineering. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116200.	5.8	64
22	Food Safety in Post-COVID-19 Pandemic: Challenges and Countermeasures. <i>Biosensors</i> , 2021, 11, 71.	2.3	18
23	Point-of-care detection of cytokines in cytokine storm management and beyond: Significance and challenges. <i>View</i> , 2021, 2, 20210003.	2.7	37
24	A Risk Prediction Model of Readmission for Chinese Patients after Coronary Artery Bypass Grafting. <i>Heart Surgery Forum</i> , 2021, 24, E479-E483.	0.2	2
25	Cytokines: From Clinical Significance to Quantification. <i>Advanced Science</i> , 2021, 8, e2004433.	5.6	216
26	Redox probes tagged electrochemical aptasensing device for simultaneous detection of multiple cytokines in real time. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129747.	4.0	25
27	CRISPR-Cas12a-Powered Dual-Mode Biosensor for Ultrasensitive and Cross-validating Detection of Pathogenic Bacteria. <i>ACS Sensors</i> , 2021, 6, 2920-2927.	4.0	97
28	A Biomimetic Aggregation-Induced Emission Photosensitizer with Antigen-Presenting and Hitchhiking Function for Lipid Droplet Targeted Photodynamic Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2102322.	11.1	83
29	Nanozyme Applications: A Glimpse of Insight in Food Safety. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 727886.	2.0	35
30	3D-Printed, Portable, Fluorescent-Sensing Platform for Smartphone-Capable Detection of Organophosphorus Residue Using Reaction-Based Aggregation Induced Emission Luminogens. <i>ACS Sensors</i> , 2021, 6, 2845-2850.	4.0	23
31	Grand Challenges in Biosensors and Biomolecular Electronics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 707615.	2.0	9
32	Advances in Biosensors for Continuous Glucose Monitoring Towards Wearables. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 733810.	2.0	64
33	Electrochemical micro-aptasensors for exosome detection based on hybridization chain reaction amplification. <i>Microsystems and Nanoengineering</i> , 2021, 7, 63.	3.4	38
34	A hierarchically designed nanocomposite hydrogel with multisensory capabilities towards wearable devices for human-body motion and glucose concentration detection. <i>Composites Science and Technology</i> , 2021, 213, 108894.	3.8	35
35	CRISPR-Cas based virus detection: Recent advances and perspectives. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113541.	5.3	110
36	Exploring Interfacial Graphene Oxide Reduction by Liquid Metals: Application in Selective Biosensing. <i>ACS Nano</i> , 2021, 15, 19661-19671.	7.3	52

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37	Study on Factors Affecting the Performance of a CRISPR/Cas-Assisted New Immunoassay: Detection of Salivary Insulin as an Example. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 752514.	2.0	7
38	Sensitive Colorimetric Detection of Interleukin-6 via Lateral Flow Assay Incorporated Silver Amplification Method. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 778269.	2.0	13
39	A Customized Microfluidic Paper-Based Platform for Colorimetric Immunosensing: Demonstrated via hCG Assay for Pregnancy Test. <i>Biosensors</i> , 2021, 11, 474.	2.3	24
40	Adaptive in vivo device for theranostics of inflammation: Real-time monitoring of interferon- $\beta$ and aspirin. <i>Acta Biomaterialia</i> , 2020, 101, 372-383.	4.1	20
41	A Method for in Vivo Quantification Of Cytokine IL-1 $\beta$ In The Rat Intrathecal Space. <i>ACS Applied Bio Materials</i> , 2020, 3, 539-546.	2.3	8
42	Paper-Based Ratiometric Fluorescence Analytical Devices towards Point-of-Care Testing of Human Serum Albumin. <i>Angewandte Chemie</i> , 2020, 132, 3155-3160.	1.6	112
43	Paper-Based Ratiometric Fluorescence Analytical Devices towards Point-of-Care Testing of Human Serum Albumin. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3131-3136.	7.2	146
44	Physical absorption vs covalent binding of graphene oxide on glassy carbon electrode towards a robust aptasensor for ratiometric electrochemical detection of vascular endothelial growth factor (VEGF) in serum. <i>Electrochimica Acta</i> , 2020, 331, 135321.	2.6	27
45	CRISPR-Cas13a based bacterial detection platform: Sensing pathogen <i>Staphylococcus aureus</i> in food samples. <i>Analytica Chimica Acta</i> , 2020, 1127, 225-233.	2.6	90
46	Advances on Emerging Materials for Flexible Supercapacitors: Current Trends and Beyond. <i>Advanced Functional Materials</i> , 2020, 30, 2002993.	7.8	92
47	Engineering strategies for enhancing the performance of electrochemical paper-based analytical devices. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112506.	5.3	48
48	Acute stress induces the rapid and transient induction of caspase-1, gasdermin D and release of constitutive IL-1 $\beta$ protein in dorsal hippocampus. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 70-80.	2.0	9
49	Molecularly Imprinted Polymer-based detection of creatinine towards smart sensing. <i>Medical Devices &amp; Sensors</i> , 2020, 3, e10133.	2.7	11
50	Mechanisms for Tuning Engineered Nanomaterials to Enhance Radiation Therapy of Cancer. <i>Advanced Science</i> , 2020, 7, 2003584.	5.6	49
51	Enhanced performance of an electrochemical aptasensor for real-time detection of vascular endothelial growth factor (VEGF) by nanofabrication and ratiometric measurement. <i>Analytica Chimica Acta</i> , 2020, 1121, 74-82.	2.6	36
52	CRISPR-Cas12a based aptasensor for sensitive and selective ATP detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128164.	4.0	80
53	CRISPR Mediated Biosensing Toward Understanding Cellular Biology and Point-of-Care Diagnosis. <i>Angewandte Chemie</i> , 2020, 132, 20938-20950.	1.6	27
54	CRISPR Mediated Biosensing Toward Understanding Cellular Biology and Point-of-Care Diagnosis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20754-20766.	7.2	138

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55	Advances in Sweat Wearables: Sample Extraction, Real-Time Biosensing, and Flexible Platforms. ACS Applied Materials & Interfaces, 2020, 12, 34337-34361.	4.0	72
56	Near-field Terahertz Sensing of HeLa Cells and <i>Pseudomonas</i> Based on Monolithic Integrated Metamaterials with a Spintronic Terahertz Emitter. ACS Applied Materials & Interfaces, 2020, 12, 35895-35902.	4.0	46
57	Capillary-assisted microfluidic biosensing platform captures single cell secretion dynamics in nanoliter compartments. Biosensors and Bioelectronics, 2020, 155, 112113.	5.3	22
58	Validation of an in vivo electrochemical immunosensing platform for simultaneous detection of multiple cytokines in Parkinson's disease mice model. Bioelectrochemistry, 2020, 134, 107532.	2.4	21
59	In vivo intrathecal IL-1 $\beta$ quantification in rats: Monitoring the molecular signals of neuropathic pain. Brain, Behavior, and Immunity, 2020, 88, 442-450.	2.0	12
60	Advances in Sensing Technologies for Monitoring of Bone Health. Biosensors, 2020, 10, 42.	2.3	16
61	Application Value of Rapid Predictive Model for Readmission Risk in Patients after CABG. Heart Surgery Forum, 2020, 23, E668-E672.	0.2	1
62	(Invited) Deployable Biosensing Devices for Monitoring of Cytokines In Vivo. ECS Meeting Abstracts, 2020, MA2020-02, 3427-3427.	0.0	0
63	Different strategies for detection of HbA1c emphasizing on biosensors and point-of-care analyzers. Biosensors and Bioelectronics, 2019, 123, 85-100.	5.3	35
64	Polymer brush based fluorescent immunosensor for direct monitoring of interleukin-1 $\beta$ in rat blood. Analyst, The, 2019, 144, 5682-5690.	1.7	12
65	A sample pre-treatment-free electrochemical immunosensor with negative electro-pulsion for the quantitative detection of acrylamide in coffee, cocoa and prune juice. Analytical Methods, 2019, 11, 4299-4313.	1.3	13
66	Microfluidic Actuation via 3D-Printed Molds toward Multiplex Biosensing of Cell Apoptosis. ACS Sensors, 2019, 4, 2181-2189.	4.0	13
67	On-chip structure-switching aptamer-modified magnetic nanobeads for the continuous monitoring of interferon-gamma ex vivo. Microsystems and Nanoengineering, 2019, 5, 35.	3.4	27
68	A Nanoparticle-Based Affinity Sensor that Identifies and Selects Highly Cytokine-Secreting Cells. IScience, 2019, 20, 137-147.	1.9	17
69	Advances in biosensors for the detection of ochratoxin A: Bio-receptors, nanomaterials, and their applications. Biosensors and Bioelectronics, 2019, 141, 111418.	5.3	123
70	CRISPR/Cas Multiplexed Biosensing: A Challenge or an Insurmountable Obstacle?. Trends in Biotechnology, 2019, 37, 792-795.	4.9	74
71	AI-Egen based poly(L-lactic-co-glycolic acid) magnetic nanoparticles to localize cytokine VEGF for early cancer diagnosis and photothermal therapy. Nanomedicine, 2019, 14, 1191-1201.	1.7	16
72	Monitorable Mitochondria-Targeting DNA train for Image-Guided Synergistic Cancer Therapy. Analytical Chemistry, 2019, 91, 6996-7000.	3.2	21

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73	Signal amplification strategies for paper-based analytical devices. <i>Biosensors and Bioelectronics</i> , 2019, 136, 60-75.	5.3	117
74	Triplet Tellurophene-Based Semiconducting Polymer Nanoparticles for Near-Infrared-Mediated Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17884-17893.	4.0	27
75	IFN- $\gamma$ -induced signal-on fluorescence aptasensors: from hybridization chain reaction amplification to 3D optical fiber sensing interface towards a deployable device for cytokine sensing. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 872-881.	1.7	17
76	Molecularly imprinted polymer-based reusable biosensing device on stainless steel for spatially localized detection of cytokine IL-1 $\beta$ . <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 277-283.	4.0	15
77	Interdigital sensing system for detection of levels of creatinine from the samples. , 2019, , .		6
78	Highly selective Molecularly Imprinted Polymer for creatinine detection. , 2019, , .		6
79	Turn-On Fluorescence Aptasensor on Magnetic Nanobeads for Aflatoxin M1 Detection Based on an Exonuclease III-Assisted Signal Amplification Strategy. <i>Nanomaterials</i> , 2019, 9, 104.	1.9	9
80	Simultaneous voltammetric determination of cadmium(II), lead(II), mercury(II), zinc(II), and copper(II) using a glassy carbon electrode modified with magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles and fluorinated multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2019, 186, 97.	2.5	75
81	CRISPR/Cas Systems towards Next-Generation Biosensing. <i>Trends in Biotechnology</i> , 2019, 37, 730-743.	4.9	600
82	Cell-surface affinity sensors for identifying and selecting highly cytokine-secreting cells (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		
83	A novel platform for in vivo detection of cytokine release within discrete brain regions. <i>Brain, Behavior, and Immunity</i> , 2018, 71, 18-22.	2.0	28
84	Turn-on Fluorescent Aptasensor Based on AIEgen Labeling for the Localization of IFN- $\gamma$ in Live Cells. <i>ACS Sensors</i> , 2018, 3, 320-326.	4.0	53
85	Novel magnetic nanobeads-based fluoroimmunoassays for zearalenone detection in cereals using protein G as the recognition linker. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 149-157.	4.0	20
86	Advances in structure-switching aptasensing towards real time detection of cytokines. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 379-396.	5.8	46
87	Robust immunosensing system based on biotin-streptavidin coupling for spatially localized femtogram mL <sup>-1</sup> level detection of interleukin-6. <i>Biosensors and Bioelectronics</i> , 2018, 102, 80-86.	5.3	60
88	Graphene Oxide Based Recyclable <i>in Vivo</i> Device for Amperometric Monitoring of Interferon- $\gamma$ in Inflammatory Mice. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33078-33087.	4.0	25
89	Perspective: Biomedical sensing and imaging with optical fibers—Innovation through convergence of science disciplines. <i>APL Photonics</i> , 2018, 3, .	3.0	31
90	Graphene Oxide Signal Reporter Based Multifunctional Immunosensing Platform for Amperometric Profiling of Multiple Cytokines in Serum. <i>ACS Sensors</i> , 2018, 3, 1553-1561.	4.0	64

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91	Substructure-activity relationship studies on antibody recognition for phenylurea compounds using competitive immunoassay and computational chemistry. <i>Scientific Reports</i> , 2018, 8, 3131.	1.6	16
92	A Review of Methods for Detecting Melamine in Food Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 51-66.	1.8	61
93	Advances on Aryldiazonium Salt Chemistry Based Interfacial Fabrication for Sensing Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5031-5049.	4.0	100
94	Maximizing particle concentration in deterministic lateral displacement arrays. <i>Biomicrofluidics</i> , 2017, 11, 024121.	1.2	20
95	Graphene quantum dot based "switch-on" nanosensors for intracellular cytokine monitoring. <i>Nanoscale</i> , 2017, 9, 4934-4943.	2.8	37
96	Sensitive Cytokine Assay Based on Optical Fiber Allowing Localized and Spatially Resolved Detection of Interleukin-6. <i>ACS Sensors</i> , 2017, 2, 218-226.	4.0	39
97	Graphene Oxide Thin Film with Dual Function Integrated into a Nanosandwich Device for in Vivo Monitoring of Interleukin-6. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41659-41668.	4.0	48
98	A microfluidic needle for sampling and delivery of chemical signals by segmented flows. <i>Applied Physics Letters</i> , 2017, 111, 183702.	1.5	10
99	Aryldiazonium salt derived mixed organic layers: From surface chemistry to their applications. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 265-278.	1.9	61
100	Fluorescence quenching of free and bound NADH in HeLa cells determined by hyperspectral imaging and unmixing of cell autofluorescence. <i>Biomedical Optics Express</i> , 2017, 8, 1488.	1.5	47
101	An optical fibre based ex-vivo device for detection of cytokines. , 2017, , .		0
102	Increased sensitivity of extracellular glucose monitoring based on AuNP decorated GO nanocomposites. <i>RSC Advances</i> , 2016, 6, 39180-39187.	1.7	36
103	Dopamine sensing and measurement using threshold and spectral measurements in random lasers. <i>Optics Express</i> , 2016, 24, A85.	1.7	57
104	Host sensitized near-infrared emission in Nd <sup>3+</sup> -Yb <sup>3+</sup> Co-doped Na <sub>2</sub> GdMg <sub>2</sub> V <sub>3</sub> O <sub>12</sub> phosphor. <i>Ceramics International</i> , 2016, 42, 12988-12994.	2.3	26
105	Decoration of Reduced Graphene Oxide Nanosheets with Aryldiazonium Salts and Gold Nanoparticles toward a Label-Free Amperometric Immunosensor for Detecting Cytokine Tumor Necrosis Factor- $\alpha$ in Live Cells. <i>Analytical Chemistry</i> , 2016, 88, 9614-9621.	3.2	80
106	Detection of bisphenol-A using electrochemical immunosensor: Comparison between competition and displacement format assay. <i>Journal of Electroanalytical Chemistry</i> , 2016, 779, 34-38.	1.9	8
107	Functionalized-Graphene Composites: Fabrication and Applications in Sustainable Energy and Environment. <i>Chemistry of Materials</i> , 2016, 28, 8082-8118.	3.2	179
108	Recent advances in cytokine detection by immunosensing. <i>Biosensors and Bioelectronics</i> , 2016, 79, 810-821.	5.3	109

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109	Nanocomposites of gold nanoparticles and graphene oxide towards an stable label-free electrochemical immunosensor for detection of cardiac marker troponin-I. <i>Analytica Chimica Acta</i> , 2016, 909, 1-8.	2.6	120
110	C <sub>1</sub> s-C Bonding of Graphene Oxide on 4-Aminophenyl Modified Gold Electrodes towards Simultaneous Detection of Heavy Metal Ions. <i>Electroanalysis</i> , 2015, 27, 1110-1118.	1.5	22
111	Covalent anchoring of multifunctionized gold nanoparticles on electrodes towards an electrochemical sensor for the detection of cadmium ions. <i>Analytical Methods</i> , 2015, 7, 5619-5626.	1.3	16
112	Design and synthesis of fluorescent core-shell nanoparticles with tunable lower critical solution temperature behavior and metal-enhanced fluorescence. <i>Journal of Polymer Science Part A</i> , 2014, 52, 87-95.	2.5	11
113	A coumarin-derived fluorescent chemosensor for selectively detecting Cu <sup>2+</sup> : Synthesis, DFT calculations and cell imaging applications. <i>Talanta</i> , 2014, 124, 139-145.	2.9	29
114	A multianalyte electrochemical immunosensor based on patterned carbon nanotubes modified substrates for detection of pesticides. <i>Biosensors and Bioelectronics</i> , 2014, 52, 360-366.	5.3	60
115	Covalent fabrication of methyl parathion hydrolase on gold nanoparticles modified carbon substrates for designing a methyl parathion biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 53, 440-446.	5.3	45
116	Light-Induced Organic Monolayer Modification of Iodinated Carbon Electrodes. <i>Langmuir</i> , 2014, 30, 332-339.	1.6	10
117	Graphene oxide-based electrochemical sensor: a platform for ultrasensitive detection of heavy metal ions. <i>RSC Advances</i> , 2014, 4, 24653-24657.	1.7	79
118	Covalent functionalization of gold nanoparticles as electronic bridges and signal amplifiers towards an electrochemical immunosensor for botulinum neurotoxin type A. <i>Biosensors and Bioelectronics</i> , 2014, 61, 547-553.	5.3	46
119	Glycyl-His Immobilized On Monolayer Modified Back-Side Contact Miniaturized Sensors for Complexation of Copper Ions. <i>Electroanalysis</i> , 2013, 25, 1461-1471.	1.5	23
120	In situ preparation, characterization, magnetic and catalytic studies of surfactant free RGO/FexCo <sub>100</sub> x nanocomposites. <i>Dalton Transactions</i> , 2013, 42, 7936.	1.6	11
121	Towards the fabrication of a label-free amperometric immunosensor using SWNTs for direct detection of paraoxon. <i>Talanta</i> , 2013, 104, 103-108.	2.9	28
122	A stable interface based on aryl diazonium salts/SWNTs modified gold electrodes for sensitive detection of hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2013, 703, 63-69.	1.9	16
123	An Amperometric Immunosensor Based on a Gold Nanoparticle-Diazonium Salt Modified Sensing Interface for the Detection of HbA1c in Human Blood. <i>Electroanalysis</i> , 2013, 25, 881-887.	1.5	34
124	A novel route to copper (<sc>ii</sc>) detection using click™ chemistry-induced aggregation of gold nanoparticles. <i>Analyst, The</i> , 2012, 137, 82-86.	1.7	85
125	Development of an electrochemical immunosensor for the detection of HbA1c in serum. <i>Analyst, The</i> , 2012, 137, 829.	1.7	51
126	An Electrochemical Immunosensor Based on Chemical Assembly of Vertically Aligned Carbon Nanotubes on Carbon Substrates for Direct Detection of the Pesticide Endosulfan in Environmental Water. <i>Analytical Chemistry</i> , 2012, 84, 3921-3928.	3.2	81



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127	Manipulation of the bioactivity of glucose oxidase via raft-controlled surface modification. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2786-2793.	2.5	20
128	An Electrochemical Impedance Immunosensor Based on Gold Nanoparticle-Modified Electrodes for the Detection of HbA1c in Human Blood. <i>Electroanalysis</i> , 2012, 24, 1509-1516.	1.5	39
129	Modification of Aryldiazonium Salts on Electrodes towards Designing Stable and Versatile Sensing Interfaces. <i>Australian Journal of Chemistry</i> , 2011, 64, 658.	0.5	0
130	The Fabrication of Stable Gold Nanoparticle-Modified Interfaces for Electrochemistry. <i>Langmuir</i> , 2011, 27, 4176-4183.	1.6	150
131	Disordered Mesoporous Gadoliniosilicate Nanoparticles Prepared Using Gadolinium Based Ionic Liquid Emulsions: Potential as Magnetic Resonance Imaging Contrast Agents. <i>Australian Journal of Chemistry</i> , 2011, 64, 617.	0.5	15
132	The importance of interfacial design for the sensitivity of a label-free electrochemical immuno-biosensor for small organic molecules. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2038-2044.	5.3	57
133	An Electrochemical Immunobiosensor for Direct Detection of Veterinary Drug Residues in Undiluted Complex Matrices. <i>Electroanalysis</i> , 2011, 23, 1797-1804.	1.5	38
134	A Molecule with Dual Functionality 4-Aminophenylmethylphosphonic Acid: A Comparison Between Layers Formed on Indium Tin Oxide by In Situ Generation of an Aryl Diazonium Salt or by Self-Assembly of the Phosphonic Acid. <i>Electroanalysis</i> , 2011, 23, 2633-2642.	1.5	32
135	Electrochemical impedance immunosensor based on gold nanoparticles and aryl diazonium salt functionalized gold electrodes for the detection of antibody. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3660-3665.	5.3	75
136	A Comparative Study of the Modification of Gold and Glassy Carbon Surfaces with Mixed Layers of In Situ Generated Aryl Diazonium Compounds. <i>Electroanalysis</i> , 2010, 22, 918-926.	1.5	73
137	A Comparative Study of Modifying Gold and Carbon Electrode with 4-Sulfophenyl Diazonium Salt. <i>Electroanalysis</i> , 2010, 22, 1283-1289.	1.5	39
138	A Comparative Study of Electrochemical Reduction of 4-Nitrophenyl Covalently Grafted on Gold and Carbon. <i>Electroanalysis</i> , 2010, 22, 1824-1830.	1.5	44
139	Colloidal Amphiphile Self-Assembly Particles Composed of Gadolinium Oleate and Myverol: Evaluation as Contrast Agents for Magnetic Resonance Imaging. <i>Langmuir</i> , 2010, 26, 2383-2391.	1.6	34
140	Strategies for fabricating a biorecognition interface for a label free electrochemical immunosensor. , 2010, , .		1
141	Comparing the electrochemical performance of pyrolysed photoresist film electrodes to glassy carbon electrodes for sensing applications. , 2010, , .		2
142	Towards the fabrication of label-free amperometric immunosensors using SWNTs. <i>Electrochemistry Communications</i> , 2009, 11, 1982-1985.	2.3	33
143	Lanthanide Oleates: Chelation, Self-assembly, and Exemplification of Ordered Nanostructured Colloidal Contrast Agents for Medical Imaging. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15949-15959.	1.2	42
144	Exploration of variables in the fabrication of pyrolysed photoresist. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1357-1365.	1.2	22

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145	Protein modulation of electrochemical signals: application to immunobiosensing. <i>Chemical Communications</i> , 2008, , 3870.	2.2	54
146	A molecular wire modified glassy carbon electrode for achieving direct electron transfer to native glucose oxidase. <i>Electrochemistry Communications</i> , 2007, 9, 2218-2223.	2.3	110
147	Diazonium salts: Stable monolayers on gold electrodes for sensing applications. <i>Journal of Electroanalytical Chemistry</i> , 2007, 600, 335-344.	1.9	185
148	An Interface Comprising Molecular Wires and Poly(ethylene glycol) Spacer Units Self-Assembled on Carbon Electrodes for Studies of Protein Electrochemistry. <i>Langmuir</i> , 2006, 22, 7421-7430.	1.6	148
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150	The modification of glassy carbon and gold electrodes with aryl diazonium salt: The impact of the electrode materials on the rate of heterogeneous electron transfer. <i>Chemical Physics</i> , 2005, 319, 136-146.	0.9	165
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