Yingchun Fu

List of Publications by Year
in descending order

93 papers	3,902 citations	126858 33 h-index	128225 60 g-index
94 all docs	94 docs citations	94 times ranked	5770 citing authors

#	Article	IF	Citations
1	Recent advances in electrochemical glucose biosensors: a review. RSC Advances, 2013, 3, 4473.	1.7	683
2	Controllable Synthesis of Hierarchical Porous Fe_3O_4 Particles Mediated by Poly(diallyldimethylammonium chloride) and Their Application in Arsenic Removal. ACS Applied Materials & Interfaces, 2013, 5, 12449-12459.	4.0	195
3	Including land cover change in analysis of greenness trends using all available Landsat 5, 7, and 8 images: A case study from Guangzhou, China (2000â€"2014). Remote Sensing of Environment, 2016, 185, 243-257.	4.6	183
4	Oneâ€Pot Preparation of Polymerâ€"Enzymeâ€"Metallic Nanoparticle Composite Films for Highâ€Performance Biosensing of Glucose and Galactose. Advanced Functional Materials, 2009, 19, 1784-1791.	7.8	139
5	Biomineralization-mimetic preparation of hybrid membranes with ultra-high loading of pristine metalâ€"organic frameworks grown on silk nanofibers for hazard collection in water. Journal of Materials Chemistry A, 2018, 6, 3402-3413.	5.2	120
6	A Water-Stable Luminescent Metalâ€"Organic Framework for Rapid and Visible Sensing of Organophosphorus Pesticides. ACS Applied Materials & Interfaces, 2019, 11, 26250-26260.	4.0	109
7	Electrodeposition of Carbon Nanotubesâˆ'Chitosanâˆ'Glucose Oxidase Biosensing Composite Films Triggered by Reduction of p-Benzoquinone or H_2O_2. Journal of Physical Chemistry B, 2007, 111, 11276-11284.	1.2	96
8	Assessment Impacts of Weather and Land Use/Land Cover (LULC) Change on Urban Vegetation Net Primary Productivity (NPP): A Case Study in Guangzhou, China. Remote Sensing, 2013, 5, 4125-4144.	1.8	84
9	Exploiting Enzyme Catalysis in Ultra-Low Ion Strength Media for Impedance Biosensing of Avian Influenza Virus Using a Bare Interdigitated Electrode. Analytical Chemistry, 2014, 86, 1965-1971.	3.2	82
10	Electrochemical Impedance Immunosensor Based on Self-Assembled Monolayers for Rapid Detection of Escherichia coli O157:H7 with Signal Amplification Using Lectin. Sensors, 2015, 15, 19212-19224.	2.1	81
11	Electrochemical Conversion of Fe_3O_4 Magnetic Nanoparticles to Electroactive Prussian Blue Analogues for Self-Sacrificial Label Biosensing of Avian Influenza Virus H5N1. Analytical Chemistry, 2017, 89, 12145-12151.	3.2	77
12	A DNA-based electrochemical strategy for label-free monitoring the activity and inhibition of protein kinase. Chemical Communications, 2009, , 6946.	2.2	73
13	Exploiting Metal-Organic Coordination Polymers as Highly Efficient Immobilization Matrixes of Enzymes for Sensitive Electrochemical Biosensing. Analytical Chemistry, 2011, 83, 6511-6517.	3.2	71
14	A spatial assessment of urban waterlogging risk based on a Weighted NaÃ¯ve Bayes classifier. Science of the Total Environment, 2018, 630, 264-274.	3.9	70
15	Characterizing the spatial pattern of annual urban growth by using time series Landsat imagery. Science of the Total Environment, 2019, 666, 274-284.	3.9	70
16	Filling Carbon Nanotubes with Prussian Blue Nanoparticles of High Peroxidaseâ€Like Catalytic Activity for Colorimetric Chemoâ€and Biosensing. Chemistry - A European Journal, 2014, 20, 2623-2630.	1.7	63
17	Rapid methods for detecting acrylamide in thermally processed foods: A review. Food Control, 2015, 56, 135-146.	2.8	62
18	Advances in antimicrobial peptides-based biosensing methods for detection of foodborne pathogens: A review. Food Control, 2020, 112, 107116.	2.8	59

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19	Colorimetric Sensor Array for Thiols Discrimination Based on Urease–Metal Ion Pairs. Analytical Chemistry, 2016, 88, 8542-8547.	3.2	56
20	Differential pulse anodic stripping voltammetric determination of Cd and Pb at a bismuth glassy carbon electrode modified with Nafion, poly(2,5-dimercapto-1,3,4-thiadiazole) and multiwalled carbon nanotubes. Mikrochimica Acta, 2011, 173, 95-102.	2.5	53
21	Detection of acrylamide in potato chips using a fluorescent sensing method based on acrylamide polymerization-induced distance increase between quantum dots. Biosensors and Bioelectronics, 2014, 54, 64-71.	5.3	53
22	Highly sensitive phenolic biosensor based on magnetic polydopamine-laccase-Fe3O4 bionanocomposite. Sensors and Actuators B: Chemical, 2012, 168, 46-53.	4.0	49
23	Immobilization of Enzymes through One-Pot Chemical Preoxidation and Electropolymerization of Dithiols in Enzyme-Containing Aqueous Suspensions To Develop Biosensors with Improved Performance. Analytical Chemistry, 2008, 80, 5829-5838.	3.2	48
24	In-field detection of multiple pathogenic bacteria in food products using a portable fluorescent biosensing system. Food Control, 2017, 75, 21-28.	2.8	46
25	Ultrasensitive electrochemical immunoassay of proteins based on in situ duple amplification of gold nanoparticle biolabel signals. Chemical Communications, 2015, 51, 8540-8543.	2.2	42
26	High-performance glucose amperometric biosensor based on magnetic polymeric bionanocomposites. Biosensors and Bioelectronics, 2010, 25, 1277-1282.	5.3	40
27	Chemical/Biochemical Preparation of New Polymeric Bionanocomposites with Enzyme Labels Immobilized at High Load and Activity for High-Performance Electrochemical Immunoassay. Journal of Physical Chemistry C, 2010, 114, 1472-1480.	1.5	40
28	A portable electrochemical immunosensor for rapid detection of trace aflatoxin B$_1$ in rice. Analytical Methods, 2016, 8, 548-553.	1.3	39
29	A water-stable luminescent metal–organic framework for effective detection of aflatoxin B1 in walnut and almond beverages. RSC Advances, 2019, 9, 620-625.	1.7	39
30	Understanding the changes in spatial fairness of urban greenery using time-series remote sensing images: A case study of Guangdong-Hong Kong-Macao Greater Bay. Science of the Total Environment, 2020, 715, 136763.	3.9	39
31	Timing and style of Late Pleistocene glaciation in the Queer Shan, northern Hengduan Mountains in the eastern Tibetan Plateau. Journal of Quaternary Science, 2010, 25, 957-966.	1.1	36
32	Novel polymeric bionanocomposites with catalytic Pt nanoparticles label immobilized for high performance amperometric immunoassay. Biosensors and Bioelectronics, 2010, 25, 1699-1704.	5.3	36
33	High-performance amperometric biosensors and biofuel cell based on chitosan-strengthened cast thin films of chemically synthesized catecholamine polymers with glucose oxidase effectively entrapped. Biosensors and Bioelectronics, 2011, 26, 2311-2316.	5.3	36
34	Fabrication of a chitosan/glucose oxidase–poly(anilineboronic acid)–Aunano/Au-plated Au electrode for biosensor and biofuel cell. Biosensors and Bioelectronics, 2012, 31, 357-362.	5.3	33
35	Highly Sensitive Glucose Biosensor Based on One-Pot Biochemical Preoxidation and Electropolymerization of 2,5-Dimercapto-1,3,4-thiadiazole in Glucose Oxidase-Containing Aqueous Suspension. Journal of Physical Chemistry B, 2009, 113, 1332-1340.	1.2	32
36	Electropolymerization of preoxidized catecholamines on Prussian blue matrix to immobilize glucose oxidase for sensitive amperometric biosensing. Biosensors and Bioelectronics, 2009, 24, 2726-2729.	5.3	31

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37	Horseradish peroxidase-catalyzed synthesis of poly(thiophene-3-boronic acid) biocomposites for mono-/bi-enzyme immobilization and amperometric biosensing. Biosensors and Bioelectronics, 2013, 44, 41-47.	5.3	31
38	Biomineralization-mimetic preparation of robust metal-organic frameworks biocomposites film with high enzyme load for electrochemical biosensing. Journal of Electroanalytical Chemistry, 2018, 823, 40-46.	1.9	31
39	One-pot electrodeposition of 3-aminopropyltriethoxysilaneâ€"chitosan hybrid gel film to immobilize glucose oxidase for biosensing. Sensors and Actuators B: Chemical, 2011, 157, 282-289.	4.0	29
40	Facile Synthesis of Prussian Blue-Filled Multiwalled Carbon Nanotubes Nanocomposites: Exploring Filling/Electrochemistry/Mass-Transfer in Nanochannels and Cooperative Biosensing Mode. Journal of Physical Chemistry C, 2012, 116, 20908-20917.	1.5	29
41	A post-labeling strategy based on dye-induced peeling of the aptamer off single-walled carbon nanotubes for electrochemical aptasensing. Chemical Communications, 2011, 47, 2637.	2.2	28
42	Au-supported Ptâ€"Au mixed atomic monolayer electrocatalyst with ultrahigh specific activity for oxidation of formic acid in acidic solution. Chemical Communications, 2012, 48, 12106.	2.2	27
43	Rapid and sensitive detection of E. coli O157:H7 based on antimicrobial peptide functionalized magnetic nanoparticles and urease-catalyzed signal amplification. Analytical Methods, 2017, 9, 5204-5210.	1.3	27
44	An antimicrobial peptide-based colorimetric bioassay for rapid and sensitive detection of E. coli O157:H7. RSC Advances, 2017, 7, 15769-15775.	1.7	25
45	Nanoconfinement Effect for Signal Amplification in Electrochemical Analysis and Sensing. Small, 2021, 17, e2101665.	5.2	25
46	Immobilization of Enzymes by Electrochemical and Chemical Oxidative Polymerization of L-DOPA to Fabricate Amperometric Biosensors and Biofuel Cells. ACS Applied Materials & Interfaces, 2015, 7, 10843-10852.	4.0	24
47	A colorimetric detection of acrylamide in potato chips based on nucleophile-initiated thiolâ€"ene Michael addition. Analyst, The, 2016, 141, 1136-1143.	1.7	24
48	Optimization of Impervious Surface Space Layout for Prevention of Urban Rainstorm Waterlogging: A Case Study of Guangzhou, China. International Journal of Environmental Research and Public Health, 2019, 16, 3613.	1.2	24
49	Cooperation Mode of Outer Surface and Inner Space of Nanochannel: Separation-Detection System Based on Integrated Nanochannel Electrode for Rapid and Facile Detection of <i>Salmonella</i>. Analytical Chemistry, 2020, 92, 1818-1825.	3.2	24
50	Preparation of thiolated polymeric nanocomposite for sensitive electroanalysis of dopamine. Biosensors and Bioelectronics, 2012, 36, 154-160.	5.3	23
51	Colorimetric detection of lipopolysaccharides based on a lipopolysaccharide-binding peptide and AuNPs. Analytical Methods, 2016, 8, 8079-8083.	1.3	21
52	Highly efficient enzyme immobilization by nanocomposites of metal organic coordination polymers and carbon nanotubes for electrochemical biosensing. Electrochemistry Communications, 2017, 79, 18-22.	2.3	21
53	Novel Amperometric Aptasensor Based on Analyte-Induced Suppression of Enzyme Catalysis in Polymeric Bionanocomposites. ACS Applied Materials & Interfaces, 2013, 5, 934-939.	4.0	20
54	A Novel SUHI Referenced Estimation Method for Multicenters Urban Agglomeration using DMSP/OLS Nighttime Light Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1416-1425.	2.3	20

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55	One-pot preparation of uricaseâ€"poly(thiophene-3-boronic acid)â€"Ptnano composites for high-performance amperometric biosensing of uric acid. Sensors and Actuators B: Chemical, 2013, 177, 116-123.	4.0	19
56	Thiolâ€"ene chemistry guided preparation of thiolated polymeric nanocomposite for anodic stripping voltammetric analysis of Cd2+ and Pb2+. Analyst, The, 2013, 138, 1180.	1.7	18
57	Exploiting pH-Regulated Dimer-Tetramer Transformation of Concanavalin A to Develop Colorimetric Biosensing of Bacteria. Scientific Reports, 2017, 7, 1452.	1.6	18
58	Integration and synergy in protein-nanomaterial hybrids for biosensing: Strategies and in-field detection applications. Biosensors and Bioelectronics, 2020, 154, 112036.	5.3	18
59	Evaluation of Three Different Machine Learning Methods for Object-Based Artificial Terrace Mappingâ€"A Case Study of the Loess Plateau, China. Remote Sensing, 2021, 13, 1021.	1.8	18
60	Sources and transport of organic carbon from the Dongjiang River to the Humen outlet of the Pearl River, southern China. Journal of Chinese Geography, 2014, 24, 143-158.	1.5	17
61	Bio-inspired assembly of reduced graphene oxide by fibrin fiber to prepare multi-functional conductive bio-nanocomposites as versatile electrochemical platforms. Carbon, 2019, 153, 504-512.	5.4	16
62	Separation/Concentrationâ€signalâ€amplification inâ€One Method Based on Electrochemical Conversion of Magnetic Nanoparticles for Electrochemical Biosensing. Electroanalysis, 2018, 30, 517-524.	1.5	15
63	A colorimetric biosensor based on enzyme-catalysis-induced production of inorganic nanoparticles for sensitive detection of glucose in white grape wine. RSC Advances, 2018, 8, 33960-33967.	1.7	15
64	A Low-Field Magnetic Resonance Imaging Aptasensor for the Rapid and Visual Sensing of <i>Pseudomonas aeruginosa</i> in Food, Juice, and Water. Analytical Chemistry, 2021, 93, 8631-8637.	3.2	15
65	Bioâ€Inspired Preparation of Fibrinâ€Boned Bionanocomposites of Biomacromolecules and Nanomaterials for Biosensing. Advanced Functional Materials, 2014, 24, 5011-5018.	7.8	13
66	Magnetic-core@dual-functional-shell nanocomposites with peroxidase mimicking properties for use in colorimetric and electrochemical sensing of hydrogen peroxide. Mikrochimica Acta, 2019, 186, 20.	2.5	13
67	Electrosynthesized poly(1,6-hexanedithiol) as a new immobilization matrix for Au-nanoparticles-enhanced piezoelectric immunosensing. Journal of Electroanalytical Chemistry, 2007, 603, 96-106.	1.9	12
68	Preparation of Pt/multiwalled carbon nanotubes modified Au electrodes via Ptâ€"Cu co-electrodeposition/Cu stripping protocol for high-performance electrocatalytic oxidation of methanol. Materials Chemistry and Physics, 2009, 118, 371-378.	2.0	12
69	Study on the bioelectrochemistry of a horseradish peroxidase-gold nanoclusters bionanocomposite. Journal of Electroanalytical Chemistry, 2017, 792, 39-45.	1.9	12
70	Recent advances in fabrication strategies and protein preservation application of protein-nanomaterial hybrids: Integration and synergy. TrAC - Trends in Analytical Chemistry, 2019, 118, 434-443.	5.8	12
71	Similarities and disparities in urban local heat islands responsive to regular-, stable-, and counter-urbanization: A case study of Guangzhou, China. Building and Environment, 2021, 199, 107935.	3.0	12
72	GIS and ANN-based spatial prediction of DOC in river networks: a case study in Dongjiang, Southern China. Environmental Earth Sciences, 2013, 68, 1495-1505.	1.3	11

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73	Facile and controllable synthesis of triplex Au@Ag–Pt@infinite coordination polymer core–shell nanoparticles for highly efficient immobilization of enzymes and enhanced electrochemical biosensing activity. RSC Advances, 2016, 6, 86025-86033.	1.7	11
74	Biosensing methods for the detection of highly pathogenic avian influenza H5N1 and H7N9 viruses. Analytical Methods, 2017, 9, 5238-5248.	1.3	10
75	Regulating immobilization performance of metal-organic coordination polymers through pre-coordination for biosensing. Analytica Chimica Acta, 2018, 1005, 27-33.	2.6	10
76	A high‐efficiency global model of optimization design of impervious surfaces for alleviating urban waterlogging in urban renewal. Transactions in GIS, 2021, 25, 1716-1740.	1.0	9
77	Monovalent Antigen-Induced Aggregation (MAA) Biosensors Using Immunomagnetic Beads in Both Sample Separation and Signal Generation for Label-Free Detection of Enrofloxacin. ACS Applied Materials & Interfaces, 2022, 14, 8816-8823.	4.0	9
78	Quartz crystal microbalance monitoring of intervention of doxorubicin-loaded core–shell magnetic silica nanospheres on human breast cancer cells (MCF-7). Sensors and Actuators B: Chemical, 2012, 173, 433-440.	4.0	8
79	Bio-/Nanoimmobilization Platform Based on Bioinspired Fibrin-Bone@Polydopamine-Shell Adhesive Composites for Biosensing. ACS Applied Materials & Interfaces, 2019, 11, 47311-47319.	4.0	7
80	Electrodeposition of Three‐Dimensional Porous Platinum Film on Removable Polyaniline Template for High‐Performance Electroanalysis. Electroanalysis, 2011, 23, 1681-1690.	1.5	6
81	Enzyme Catalysis Induced Polymer Growth in Nanochannels: A New Approach to Regulate Ion Transport and to Study Enzyme Kinetics in Nanospace. Electroanalysis, 2018, 30, 328-335.	1.5	6
82	Modeling Transfer of <i>Vibrio Parahaemolyticus</i> During Peeling of Raw Shrimp. Journal of Food Science, 2018, 83, 756-762.	1.5	5
83	Improving LSMA for impervious surface estimation in an urban area. European Journal of Remote Sensing, 2022, 55, 37-51.	1.7	5
84	Bioimmobilization Matrices with Ultrahigh Efficiency Based on Combined Polymerizations of Chemical Oxidation and Metal Organic Coordination for Biosensing. Journal of Physical Chemistry C, 2017, 121, 6229-6236.	1.5	4
85	Fine-Scale Improved Carbon Bookkeeping Model Using Landsat Time Series for Subtropical Forest, Southern China. Remote Sensing, 2022, 14, 753.	1.8	4
86	Comprehensive evaluation of teaching websites based on intelligence methods. , 2010, , .		3
87	One-pot facile integration of functional materials in bionanocomposite by mimicking blood coagulation for electrochemical biosensing. Chemical Engineering Journal, 2020, 385, 123462.	6.6	3
88	Modified Contourlet Transform and Its Application in Image Fusion. , 2009, , .		2
89	A Nanomaterials-based Biosensor for Rapid Detection of Enrofloxacin in Chicken Products. , 2018, , .		2
90	Electrochemical Conversion of Magnetic Nanoparticles Using Disposable Working Electrode in a 3D‐Printed Electrochemical Cell. Electroanalysis, 2020, 32, 1426-1432.	1.5	2

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91	Spatial Prediction of Dissolved Organic Carbon Using GIS and ANN Modeling in River Networks. , 2011, , .		0
92	Exploring the greening trends in Guangzhou in recently 15 years using all available Landsat's images. , 2016, , .		0
93	Principle Analysis of Soil Electrical Conductivity Test Based on Pulsed Eddy Current. IOP Conference Series: Earth and Environmental Science, 2019, 242, 042018.	0.2	0