

Yingchun Fu

List of Publications by Year in descending order

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93
papers

3,902
citations

126858

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128225

60
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94
all docs

94
docs citations

94
times ranked

5770
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving LSMA for impervious surface estimation in an urban area. <i>European Journal of Remote Sensing</i> , 2022, 55, 37-51.	1.7	5
2	Monovalent Antigen-Induced Aggregation (MAA) Biosensors Using Immunomagnetic Beads in Both Sample Separation and Signal Generation for Label-Free Detection of Enrofloxacin. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8816-8823.	4.0	9
3	Fine-Scale Improved Carbon Bookkeeping Model Using Landsat Time Series for Subtropical Forest, Southern China. <i>Remote Sensing</i> , 2022, 14, 753.	1.8	4
4	Evaluation of Three Different Machine Learning Methods for Object-Based Artificial Terrace Mapping—A Case Study of the Loess Plateau, China. <i>Remote Sensing</i> , 2021, 13, 1021.	1.8	18
5	A high-efficiency global model of optimization design of impervious surfaces for alleviating urban waterlogging in urban renewal. <i>Transactions in GIS</i> , 2021, 25, 1716-1740.	1.0	9
6	A Low-Field Magnetic Resonance Imaging Aptasensor for the Rapid and Visual Sensing of <i>Pseudomonas aeruginosa</i> in Food, Juice, and Water. <i>Analytical Chemistry</i> , 2021, 93, 8631-8637.	3.2	15
7	Nanoconfinement Effect for Signal Amplification in Electrochemical Analysis and Sensing. <i>Small</i> , 2021, 17, e2101665.	5.2	25
8	Similarities and disparities in urban local heat islands responsive to regular-, stable-, and counter-urbanization: A case study of Guangzhou, China. <i>Building and Environment</i> , 2021, 199, 107935.	3.0	12
9	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> . <i>Analytical Chemistry</i> , 2020, 92, 1818-1825.	3.2	24
10	One-pot facile integration of functional materials in bionanocomposite by mimicking blood coagulation for electrochemical biosensing. <i>Chemical Engineering Journal</i> , 2020, 385, 123462.	6.6	3
11	Electrochemical Conversion of Magnetic Nanoparticles Using Disposable Working Electrode in a 3D-Printed Electrochemical Cell. <i>Electroanalysis</i> , 2020, 32, 1426-1432.	1.5	2
12	Integration and synergy in protein-nanomaterial hybrids for biosensing: Strategies and in-field detection applications. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112036.	5.3	18
13	Advances in antimicrobial peptides-based biosensing methods for detection of foodborne pathogens: A review. <i>Food Control</i> , 2020, 112, 107116.	2.8	59
14	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. <i>Science of the Total Environment</i> , 2020, 715, 136763.	3.9	39
15	A Novel SUHI Referenced Estimation Method for Multicenters Urban Agglomeration using DMSP/OLS Nighttime Light Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 1416-1425.	2.3	20
16	Principle Analysis of Soil Electrical Conductivity Test Based on Pulsed Eddy Current. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 242, 042018.	0.2	0
17	Bio-inspired assembly of reduced graphene oxide by fibrin fiber to prepare multi-functional conductive bio-nanocomposites as versatile electrochemical platforms. <i>Carbon</i> , 2019, 153, 504-512.	5.4	16
18	A Water-Stable Luminescent Metal-Organic Framework for Rapid and Visible Sensing of Organophosphorus Pesticides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26250-26260.	4.0	109

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19	Optimization of Impervious Surface Space Layout for Prevention of Urban Rainstorm Waterlogging: A Case Study of Guangzhou, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3613.	1.2	24
20	A water-stable luminescent metal-organic framework for effective detection of aflatoxin B1 in walnut and almond beverages. <i>RSC Advances</i> , 2019, 9, 620-625.	1.7	39
21	Recent advances in fabrication strategies and protein preservation application of protein-nanomaterial hybrids: Integration and synergy. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 434-443.	5.8	12
22	Characterizing the spatial pattern of annual urban growth by using time series Landsat imagery. <i>Science of the Total Environment</i> , 2019, 666, 274-284.	3.9	70
23	Bio-/Nanoimmobilization Platform Based on Bioinspired Fibrin-Bone@Polydopamine-Shell Adhesive Composites for Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47311-47319.	4.0	7
24	Magnetic-core@dual-functional-shell nanocomposites with peroxidase mimicking properties for use in colorimetric and electrochemical sensing of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2019, 186, 20.	2.5	13
25	A spatial assessment of urban waterlogging risk based on a Weighted Naïve Bayes classifier. <i>Science of the Total Environment</i> , 2018, 630, 264-274.	3.9	70
26	Biomimetic preparation of robust metal-organic frameworks biocomposites film with high enzyme load for electrochemical biosensing. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 40-46.	1.9	31
27	Modeling Transfer of <i>Vibrio Parahaemolyticus</i> During Peeling of Raw Shrimp. <i>Journal of Food Science</i> , 2018, 83, 756-762.	1.5	5
28	Separation/Concentration&signal&lification in&One Method Based on Electrochemical Conversion of Magnetic Nanoparticles for Electrochemical Biosensing. <i>Electroanalysis</i> , 2018, 30, 517-524.	1.5	15
29	Enzyme Catalysis Induced Polymer Growth in Nanochannels: A New Approach to Regulate Ion Transport and to Study Enzyme Kinetics in Nanospace. <i>Electroanalysis</i> , 2018, 30, 328-335.	1.5	6
30	Biomimetic preparation of hybrid membranes with ultra-high loading of pristine metal-organic frameworks grown on silk nanofibers for hazard collection in water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3402-3413.	5.2	120
31	Regulating immobilization performance of metal-organic coordination polymers through pre-coordination for biosensing. <i>Analytica Chimica Acta</i> , 2018, 1005, 27-33.	2.6	10
32	A colorimetric biosensor based on enzyme-catalysis-induced production of inorganic nanoparticles for sensitive detection of glucose in white grape wine. <i>RSC Advances</i> , 2018, 8, 33960-33967.	1.7	15
33	A Nanomaterials-based Biosensor for Rapid Detection of Enrofloxacin in Chicken Products. , 2018, , .		2
34	Bioimmobilization Matrices with Ultrahigh Efficiency Based on Combined Polymerizations of Chemical Oxidation and Metal Organic Coordination for Biosensing. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6229-6236.	1.5	4
35	Highly efficient enzyme immobilization by nanocomposites of metal organic coordination polymers and carbon nanotubes for electrochemical biosensing. <i>Electrochemistry Communications</i> , 2017, 79, 18-22.	2.3	21
36	An antimicrobial peptide-based colorimetric bioassay for rapid and sensitive detection of E. coli O157:H7. <i>RSC Advances</i> , 2017, 7, 15769-15775.	1.7	25

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37	Exploiting pH-Regulated Dimer-Tetramer Transformation of Concanavalin A to Develop Colorimetric Biosensing of Bacteria. <i>Scientific Reports</i> , 2017, 7, 1452.	1.6	18
38	Study on the bioelectrochemistry of a horseradish peroxidase-gold nanoclusters bionanocomposite. <i>Journal of Electroanalytical Chemistry</i> , 2017, 792, 39-45.	1.9	12
39	In-field detection of multiple pathogenic bacteria in food products using a portable fluorescent biosensing system. <i>Food Control</i> , 2017, 75, 21-28.	2.8	46
40	Electrochemical Conversion of Fe ₃ O ₄ Magnetic Nanoparticles to Electroactive Prussian Blue Analogues for Self-Sacrificial Label Biosensing of Avian Influenza Virus H5N1. <i>Analytical Chemistry</i> , 2017, 89, 12145-12151.	3.2	77
41	Biosensing methods for the detection of highly pathogenic avian influenza H5N1 and H7N9 viruses. <i>Analytical Methods</i> , 2017, 9, 5238-5248.	1.3	10
42	Rapid and sensitive detection of E. coli O157:H7 based on antimicrobial peptide functionalized magnetic nanoparticles and urease-catalyzed signal amplification. <i>Analytical Methods</i> , 2017, 9, 5204-5210.	1.3	27
43	Exploring the greening trends in Guangzhou in recently 15 years using all available Landsat's images. , 2016, , .		0
44	Including land cover change in analysis of greenness trends using all available Landsat 5, 7, and 8 images: A case study from Guangzhou, China (2000-2014). <i>Remote Sensing of Environment</i> , 2016, 185, 243-257.	4.6	183
45	Colorimetric Sensor Array for Thiols Discrimination Based on Urease-Metal Ion Pairs. <i>Analytical Chemistry</i> , 2016, 88, 8542-8547.	3.2	56
46	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. <i>RSC Advances</i> , 2016, 6, 86025-86033.	1.7	11
47	Colorimetric detection of lipopolysaccharides based on a lipopolysaccharide-binding peptide and AuNPs. <i>Analytical Methods</i> , 2016, 8, 8079-8083.	1.3	21
48	A portable electrochemical immunosensor for rapid detection of trace aflatoxin B ₁ in rice. <i>Analytical Methods</i> , 2016, 8, 548-553.	1.3	39
49	A colorimetric detection of acrylamide in potato chips based on nucleophile-initiated thiol-ene Michael addition. <i>Analyst</i> , 2016, 141, 1136-1143.	1.7	24
50	Electrochemical Impedance Immunosensor Based on Self-Assembled Monolayers for Rapid Detection of Escherichia coli O157:H7 with Signal Amplification Using Lectin. <i>Sensors</i> , 2015, 15, 19212-19224.	2.1	81
51	Immobilization of Enzymes by Electrochemical and Chemical Oxidative Polymerization of L-DOPA to Fabricate Amperometric Biosensors and Biofuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10843-10852.	4.0	24
52	Ultrasensitive electrochemical immunoassay of proteins based on in situ double amplification of gold nanoparticle biolabel signals. <i>Chemical Communications</i> , 2015, 51, 8540-8543.	2.2	42
53	Rapid methods for detecting acrylamide in thermally processed foods: A review. <i>Food Control</i> , 2015, 56, 135-146.	2.8	62
54	Filling Carbon Nanotubes with Prussian Blue Nanoparticles of High Peroxidase-Like Catalytic Activity for Colorimetric Chemo- and Biosensing. <i>Chemistry - A European Journal</i> , 2014, 20, 2623-2630.	1.7	63

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55	Bioinspired Preparation of Fibrin-Boned Bionanocomposites of Biomacromolecules and Nanomaterials for Biosensing. <i>Advanced Functional Materials</i> , 2014, 24, 5011-5018.	7.8	13
56	Sources and transport of organic carbon from the Dongjiang River to the Humen outlet of the Pearl River, southern China. <i>Journal of Chinese Geography</i> , 2014, 24, 143-158.	1.5	17
57	Detection of acrylamide in potato chips using a fluorescent sensing method based on acrylamide polymerization-induced distance increase between quantum dots. <i>Biosensors and Bioelectronics</i> , 2014, 54, 64-71.	5.3	53
58	Exploiting Enzyme Catalysis in Ultra-Low Ion Strength Media for Impedance Biosensing of Avian Influenza Virus Using a Bare Interdigitated Electrode. <i>Analytical Chemistry</i> , 2014, 86, 1965-1971.	3.2	82
59	Horseradish peroxidase-catalyzed synthesis of poly(thiophene-3-boronic acid) biocomposites for mono-/bi-enzyme immobilization and amperometric biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 44, 41-47.	5.3	31
60	GIS and ANN-based spatial prediction of DOC in river networks: a case study in Dongjiang, Southern China. <i>Environmental Earth Sciences</i> , 2013, 68, 1495-1505.	1.3	11
61	One-pot preparation of uricase-poly(thiophene-3-boronic acid)-Pt nano composites for high-performance amperometric biosensing of uric acid. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 116-123.	4.0	19
62	Controllable Synthesis of Hierarchical Porous Fe ₃ O ₄ Particles Mediated by Poly(diallyldimethylammonium chloride) and Their Application in Arsenic Removal. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12449-12459.	4.0	195
63	Thiol-ene chemistry guided preparation of thiolated polymeric nanocomposite for anodic stripping voltammetric analysis of Cd ²⁺ and Pb ²⁺ . <i>Analyst</i> , 2013, 138, 1180.	1.7	18
64	Novel Amperometric Aptasensor Based on Analyte-Induced Suppression of Enzyme Catalysis in Polymeric Bionanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 934-939.	4.0	20
65	Recent advances in electrochemical glucose biosensors: a review. <i>RSC Advances</i> , 2013, 3, 4473.	1.7	683
66	Assessment Impacts of Weather and Land Use/Land Cover (LULC) Change on Urban Vegetation Net Primary Productivity (NPP): A Case Study in Guangzhou, China. <i>Remote Sensing</i> , 2013, 5, 4125-4144.	1.8	84
67	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.	4.0	8
68	Au-supported Pt-Au mixed atomic monolayer electrocatalyst with ultrahigh specific activity for oxidation of formic acid in acidic solution. <i>Chemical Communications</i> , 2012, 48, 12106.	2.2	27
69	Facile Synthesis of Prussian Blue-Filled Multiwalled Carbon Nanotubes Nanocomposites: Exploring Filling/Electrochemistry/Mass-Transfer in Nanochannels and Cooperative Biosensing Mode. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20908-20917.	1.5	29
70	Preparation of thiolated polymeric nanocomposite for sensitive electroanalysis of dopamine. <i>Biosensors and Bioelectronics</i> , 2012, 36, 154-160.	5.3	23
71	Fabrication of a chitosan/glucose oxidase-poly(anilineboronic acid)-Au nano/Au-plated Au electrode for biosensor and biofuel cell. <i>Biosensors and Bioelectronics</i> , 2012, 31, 357-362.	5.3	33
72	Highly sensitive phenolic biosensor based on magnetic polydopamine-laccase-Fe ₃ O ₄ bionanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 46-53.	4.0	49

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73	Spatial Prediction of Dissolved Organic Carbon Using GIS and ANN Modeling in River Networks. , 2011, , .		0
74	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
75	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
76	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
77	Electrodeposition of Three-Dimensional Porous Platinum Film on Removable Polyaniline Template for High-Performance Electroanalysis. Electroanalysis, 2011, 23, 1681-1690.	1.5	6
78	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
79	One-pot electrodeposition of 3-aminopropyltriethoxysilane-chitosan hybrid gel film to immobilize glucose oxidase for biosensing. Sensors and Actuators B: Chemical, 2011, 157, 282-289.	4.0	29
80	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
81	Novel polymeric bionanocomposites with catalytic Pt nanoparticles label immobilized for high performance amperometric immunoassay. Biosensors and Bioelectronics, 2010, 25, 1699-1704.	5.3	36
82	High-performance glucose amperometric biosensor based on magnetic polymeric bionanocomposites. Biosensors and Bioelectronics, 2010, 25, 1277-1282.	5.3	40
83	Comprehensive evaluation of teaching websites based on intelligence methods. , 2010, , .		3
84	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
85	Modified Contourlet Transform and Its Application in Image Fusion. , 2009, , .		2
86	Preparation of Pt/multiwalled carbon nanotubes modified Au electrodes via Pt-Cu co-electrodeposition/Cu stripping protocol for high-performance electrocatalytic oxidation of methanol. Materials Chemistry and Physics, 2009, 118, 371-378.	2.0	12
87	One-Pot Preparation of Polymer-Enzyme-Metallic Nanoparticle Composite Films for High-Performance Biosensing of Glucose and Galactose. Advanced Functional Materials, 2009, 19, 1784-1791.	7.8	139
88	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
89	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
90	A DNA-based electrochemical strategy for label-free monitoring the activity and inhibition of protein kinase. Chemical Communications, 2009, , 6946.	2.2	73

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91	Immobilization of Enzymes through One-Pot Chemical Preoxidation and Electropolymerization of Dithiols in Enzyme-Containing Aqueous Suspensions To Develop Biosensors with Improved Performance. <i>Analytical Chemistry</i> , 2008, 80, 5829-5838.	3.2	48
92	Electrodeposition of Carbon Nanotubes-Chitosan-Glucose Oxidase Biosensing Composite Films Triggered by Reduction of <i>p</i> -Benzoquinone or H_2O_2 . <i>Journal of Physical Chemistry B</i> , 2007, 111, 11276-11284.	1.2	96
93	Electrosynthesized poly(1,6-hexanedithiol) as a new immobilization matrix for Au-nanoparticles-enhanced piezoelectric immunosensing. <i>Journal of Electroanalytical Chemistry</i> , 2007, 603, 96-106.	1.9	12