Ping Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143 papers	6,174 citations	46 h-index	74 g-index
156 ext. papers	7,419 ext. citations	8.6 avg, IF	6.13 L-index

#	Paper	IF	Citations
143	A single-atom Cu-N catalyst eliminates oxygen interference for electrochemical sensing of hydrogen peroxide in a living animal brain.. *Chemical Science*, **2021**, 12, 15045-15053	9.4	3
142	Galvanic Redox Potentiometry for In Vivo Sensing **2021**, 453-481		
141	Dynamic Behavior of Charged Particles at the Nanopipette Orifice. *ACS Sensors*, **2021**, 6, 2330-2338	9.2	1
140	Exfoliated graphdiyne for the electroless deposition of Au nanoparticles with high catalytic activity. *Analyst, The*, **2021**, 146, 444-449	5	1
139	Synaptic Iontronic Devices for Brain-Mimicking Functions: Fundamentals and Applications.. *ACS Applied Bio Materials*, **2021**, 4, 71-84	4.1	5
138	Micrometer-scale transient ion transport for real-time pH assay in living rat brains. *Chemical Science* , **2021**, 12, 7369-7376	9.4	5
137	Role of rare-earth elements in enhancing bioelectrocatalysis for biosensing with NAD-dependent glutamate dehydrogenase. *Chemical Science*, **2021**, 12, 13434-13441	9.4	0
136	Dual-function interface engineering for efficient perovskite solar cells. *EcoMat*, **2021**, 3, e12092	9.4	9
135	Deep Learning for Voltammetric Sensing in a Living Animal Brain. *Angewandte Chemie - International Edition*, **2021**, 60, 23777-23783	16.4	11
134	Deep Learning for Voltammetric Sensing in a Living Animal Brain. *Angewandte Chemie*, **2021**, 133, 23970	3.6	2
133	Label-Free Resistance Cytometry at the Orifice of a Nanopipette. *Analytical Chemistry*, **2021**, 93, 2942-2949	7.8	5
132	Carbon support tuned electrocatalytic activity of a single-site metal-organic framework toward the oxygen reduction reaction. *Chemical Science*, **2021**, 12, 7908-7917	9.4	6
131	Metal–Organic Framework Membrane Nanopores as Biomimetic Photoresponsive Ion Channels and Photodriven Ion Pumps. *Angewandte Chemie*, **2020**, 132, 12895-12899	3.6	4
130	Single-atom Ni-N provides a robust cellular NO sensor. *Nature Communications*, **2020**, 11, 3188	17.4	59
129	Unveiling the Role of DJ-1 Protein in Vesicular Storage and Release of Catecholamine with Nano/Micro-Tip Electrodes. *Angewandte Chemie - International Edition*, **2020**, 59, 11061-11065	16.4	20
128	Galvanic Redox Potentiometry Based Microelectrode Array for Synchronous Ascorbate and Single-Unit Recordings in Rat Brain. *Analytical Chemistry*, **2020**, 92, 10177-10182	7.8	11
127	Optoelectronic modulation of ionic conductance and rectification through a heterogeneous 1D/2D nanofluidic membrane. *Chemical Communications*, **2020**, 56, 3508-3511	5.8	10

126	Label-free analysis of adsorbed protein heterogeneity on individual particles, based on single particle collision events. *Electrochemistry Communications*, **2020**, 111, 106666	5.1	2
125	Real-time and in-situ intracellular ATP assay with polyimidazolium brush-modified nanopipette. *Science China Chemistry*, **2020**, 63, 1004-1011	7.9	9
124	Metal-Organic Framework Membrane Nanopores as Biomimetic Photoresponsive Ion Channels and Photodriven Ion Pumps. *Angewandte Chemie - International Edition*, **2020**, 59, 12795-12799	16.4	25
123	Unveiling the Role of DJ-1 Protein in Vesicular Storage and Release of Catecholamine with Nano/Micro-Tip Electrodes. *Angewandte Chemie*, **2020**, 132, 11154-11158	3.6	10
122	Electron Hopping by Interfacing Semiconducting Graphdiyne Nanosheets and Redox Molecules for Selective Electrocatalysis. *Journal of the American Chemical Society*, **2020**, 142, 2074-2082	16.4	39
121	Natural Leukocyte Membrane-Masked Microelectrodes with an Enhanced Antifouling Ability and Biocompatibility for Electrochemical Sensing. *Analytical Chemistry*, **2020**, 92, 11374-11379	7.8	13
120	Sizing Single Particles at the Orifice of a Nanopipette. *ACS Sensors*, **2020**, 5, 2351-2358	9.2	8
119	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. *Angewandte Chemie*, **2020**, 132, 22841-22847	3.6	5
118	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. *Angewandte Chemie - International Edition*, **2020**, 59, 22652-22658	16.4	16
117	Single-Atom Co-N Electrocatalyst Enabling Four-Electron Oxygen Reduction with Enhanced Hydrogen Peroxide Tolerance for Selective Sensing. *Journal of the American Chemical Society*, **2020**, 142, 16861-16867	16.4	77
116	Graphdiyne oxide: a new carbon nanozyme. *Chemical Communications*, **2020**, 56, 5115-5118	5.8	25
115	Ion current rectification: from nanoscale to microscale. *Science China Chemistry*, **2019**, 62, 1346-1359	7.9	21
114	In Vivo Monitoring of Oxygen in Rat Brain by Carbon Fiber Microelectrode Modified with Antifouling Nanoporous Membrane. *Analytical Chemistry*, **2019**, 91, 3645-3651	7.8	49
113	Biological Applications of Organic Electrochemical Transistors: Electrochemical Biosensors and Electrophysiology Recording. *Frontiers in Chemistry*, **2019**, 7, 313	5	44
112	Ischemic Postconditioning Recovers Cortex Ascorbic Acid during Ischemia/Reperfusion Monitored with an Online Electrochemical System. *ACS Chemical Neuroscience*, **2019**, 10, 2576-2583	5.7	8
111	Electrochemical Monitoring of Propagative Fluctuation of Ascorbate in the Live Rat Brain during Spreading Depolarization. *Angewandte Chemie - International Edition*, **2019**, 58, 6616-6619	16.4	29
110	Electrochemical Monitoring of Propagative Fluctuation of Ascorbate in the Live Rat Brain during Spreading Depolarization. *Angewandte Chemie*, **2019**, 131, 6688-6691	3.6	12
109	Comparative investigation of small laccase immobilized on carbon nanomaterials for direct bioelectrocatalysis of oxygen reduction. *Electrochemistry Communications*, **2019**, 101, 82-87	5.1	9

108	Electrophoretically Sheathed Carbon Fiber Microelectrodes with Metal/Nitrogen/Carbon Electrocatalyst for Electrochemical Monitoring of Oxygen in Vivo.. *ACS Applied Bio Materials*, **2019**, 2, 1376-1383	4.1	4
107	Graphdiyne-Promoted Highly Efficient Photocatalytic Activity of Graphdiyne/Silver Phosphate Pickering Emulsion Under Visible-Light Irradiation. *ACS Applied Materials & Interfaces*, **2019**, 11, 2684-2691	8.5	45
106	Electrochemical Sensors for Neurochemicals: Recent Update. *ACS Sensors*, **2019**, 4, 3102-3118	9.2	56
105	Water Adsorption and Transport on Oxidized Two-Dimensional Carbon Materials. *Chemistry - A European Journal*, **2019**, 25, 3969-3978	4.8	5
104	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. *Angewandte Chemie - International Edition*, **2019**, 58, 746-750	16.4	44
103	A single-atom Fe-N catalytic site mimicking bifunctional antioxidative enzymes for oxidative stress cytoprotection. *Chemical Communications*, **2018**, 55, 159-162	5.8	120
102	On-site sensors based on infinite coordination polymer nanoparticles: Recent progress and future challenge. *Applied Materials Today*, **2018**, 11, 338-351	6.6	32
101	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. *Angewandte Chemie*, **2018**, 130, 3986-3990	3.6	17
100	Chaotropic Monovalent Anion-Induced Rectification Inversion at Nanopipettes Modified by Polyimidazolium Brushes. *Angewandte Chemie - International Edition*, **2018**, 57, 4590-4593	16.4	36
99	Voltage-driven counting of phospholipid vesicles with nanopipettes by resistive-pulse principle. *Electrochemistry Communications*, **2018**, 89, 38-42	5.1	10
98	Nitrogen-doped carbon nanotubes as an excellent substrate for electroless deposition of Pd nanoparticles with a high efficiency toward the hydrogen evolution reaction. *Electrochemistry Communications*, **2018**, 90, 91-95	5.1	15
97	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. *Angewandte Chemie - International Edition*, **2018**, 57, 3922-3926	16.4	101
96	Chaotropic Monovalent Anion-Induced Rectification Inversion at Nanopipettes Modified by Polyimidazolium Brushes. *Angewandte Chemie*, **2018**, 130, 4680-4683	3.6	15
95	Photoinduced Regeneration of an Aptamer-Based Electrochemical Sensor for Sensitively Detecting Adenosine Triphosphate. *Analytical Chemistry*, **2018**, 90, 4968-4971	7.8	51
94	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. *Angewandte Chemie*, **2018**, 131, 756	3.6	
93	Exploring Ferredoxin-Dependent Glutamate Synthase as an Enzymatic Bioelectrocatalyst. *Journal of the American Chemical Society*, **2018**, 140, 12700-12704	16.4	12
92	Recent advances on in vivo analysis of ascorbic acid in brain functions. *TrAC - Trends in Analytical Chemistry*, **2018**, 109, 247-259	14.6	24
91	In Vivo Monitoring of Oxygen Fluctuation Simultaneously at Multiple Sites of Rat Cortex during Spreading Depression. *Analytical Chemistry*, **2018**, 90, 13783-13789	7.8	8

90	Analytical and Quantitative in Vivo Monitoring of Brain Neurochemistry by Electrochemical and Imaging Approaches. *ACS Omega*, **2018**, 3, 13267-13274	3.9	11
89	Galvanic Redox Potentiometry for Self-Driven in Vivo Measurement of Neurochemical Dynamics at Open-Circuit Potential. *Analytical Chemistry*, **2018**, 90, 13021-13029	7.8	20
88	Counting and Sizing of Single Vesicles/Liposomes by Electrochemical Events. *ChemElectroChem*, **2018**, 5, 2954-2962	4.3	12
87	Micrometer-Scale Ion Current Rectification at Polyelectrolyte Brush-Modified Micropipets. *Journal of the American Chemical Society*, **2017**, 139, 1396-1399	16.4	74
86	Self-powered electrochemical systems as neurochemical sensors: toward self-triggered in vivo analysis of brain chemistry. *Chemical Society Reviews*, **2017**, 46, 2692-2704	58.5	55
85	Highly Selective Cerebral ATP Assay Based on Micrometer Scale Ion Current Rectification at Polyimidazolium-Modified Micropipettes. *Analytical Chemistry*, **2017**, 89, 6794-6799	7.8	26
84	Mitochondria Targeted Nanoscale Zeolitic Imidazole Framework-90 for ATP Imaging in Live Cells. *Journal of the American Chemical Society*, **2017**, 139, 5877-5882	16.4	193
83	Role of Organic Solvents in Immobilizing Fungus Laccase on Single-Walled Carbon Nanotubes for Improved Current Response in Direct Bioelectrocatalysis. *Journal of the American Chemical Society*, **2017**, 139, 1565-1574	16.4	55
82	Sensitive and Fast Humidity Sensor Based on A Redox Conducting Supramolecular Ionic Material for Respiration Monitoring. *Analytical Chemistry*, **2017**, 89, 996-1001	7.8	34
81	Bioelectrochemistry for in vivo analysis: Interface engineering toward implantable electrochemical biosensors. *Current Opinion in Electrochemistry*, **2017**, 5, 152-157	7.2	19
80	Selective Amperometric Recording of Endogenous Ascorbate Secretion from a Single Rat Adrenal Chromaffin Cell with Pretreated Carbon Fiber Microelectrodes. *Analytical Chemistry*, **2017**, 89, 9502-9507	7.8	27
79	Graphdiyne as Electrode Material: Tuning Electronic State and Surface Chemistry for Improved Electrode Reactivity. *Analytical Chemistry*, **2017**, 89, 13008-13015	7.8	52
78	In Vivo Analysis with Electrochemical Sensors and Biosensors. *Analytical Chemistry*, **2017**, 89, 300-313	7.8	127
77	High Antifouling Property of Ion-Selective Membrane: toward In Vivo Monitoring of pH Change in Live Brain of Rats with Membrane-Coated Carbon Fiber Electrodes. *Analytical Chemistry*, **2016**, 88, 11238-11243	7.8	35
76	Nonlinear dependence of the ion current rectification factor on bias voltage in conical nanopipettes. *Journal of Electroanalytical Chemistry*, **2016**, 779, 106-111	4.1	3
75	An Online Electrochemical System for Continuously Monitoring Uric Acid Change following Rabbit Kidney following Ischemia-reperfusion Injury. *Electrochimica Acta*, **2016**, 209, 132-137	6.7	5
74	Dopamine-Directed In-Situ and One-Step Synthesis of Au@Ag Core-Shell Nanoparticles Immobilized to a Metal-Organic Framework for Synergistic Catalysis. *Chemistry - an Asian Journal*, **2016**, 11, 2705-2709	4.5	27
73	Graphdiyne oxide as a platform for fluorescence sensing. *Chemical Communications*, **2016**, 52, 5629-32	5.8	92

72	Tuning interionic interaction by rationally controlling solution pH for highly selective colorimetric sensing of arginine. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 3005-12	4.4	4
71	Online electrochemical system as an in vivo method to study dynamic changes of ascorbate in rat brain during 3-methylindole-induced olfactory dysfunction. *Analyst, The*, **2016**, 141, 2199-207	5	9
70	Observing single nanoparticle events at the orifice of a nanopipet. *Chemical Science*, **2016**, 7, 6365-6368	9.4	36
69	Simultaneous in vivo ascorbate and electrophysiological recordings in rat brain following ischemia/reperfusion. *Journal of Electroanalytical Chemistry*, **2016**, 781, 90-96	4.1	8
68	Rational Design of Bioelectrochemically Multifunctional Film with Oxidase, Ferrocene, and Graphene Oxide for Development of in Vivo Electrochemical Biosensors. *Analytical Chemistry*, **2016**, 88, 5885-91	7.8	20
67	Synchronous Detection of Rat Neural Spike Firing and Neurochemical Signals Based on Dual-mode Recording Instrument. *Chinese Journal of Analytical Chemistry*, **2016**, 44, 1458-1464	1.6	2
66	In vivo and continuous measurement of bisulfide in the hippocampus of rat brain by an on-line integrated microdialysis/droplet-based microfluidic system. *Analyst, The*, **2015**, 140, 3814-9	5	12
65	Tuning interionic interaction for highly selective in vivo analysis. *Chemical Society Reviews*, **2015**, 44, 5959-68	39.9	30
64	Graphdiyne oxides as excellent substrate for electroless deposition of Pd clusters with high catalytic activity. *Journal of the American Chemical Society*, **2015**, 137, 5260-3	16.4	272
63	A multi-enzyme microreactor-based online electrochemical system for selective and continuous monitoring of acetylcholine. *Analyst, The*, **2015**, 140, 3781-7	5	24
62	Online electrochemical systems for continuous neurochemical measurements with low-potential mediator-based electrochemical biosensors as selective detectors. *Analyst, The*, **2015**, 140, 5039-47	5	4
61	MnO2 nanosheets based fluorescent sensing platform with organic dyes as a probe with excellent analytical properties. *Analyst, The*, **2015**, 140, 4021-9	5	48
60	Ferricyanide-backfilled cylindrical carbon fiber microelectrodes for in vivo analysis with high stability and low polarized potential. *Analyst, The*, **2015**, 140, 7154-9	5	8
59	An Online Electrochemical System for Continuous Measurement of Glutamate with Signal Amplification by Enzymatic Substrate Cycling. *Electroanalysis*, **2015**, 27, 2406-2411	3	2
58	Colorimetric and Fluorescent Dual Mode Sensing of Alcoholic Strength in Spirit Samples with Stimuli-Responsive Infinite Coordination Polymers. *Analytical Chemistry*, **2015**, 87, 6958-65	7.8	49
57	Dual recognition unit strategy improves the specificity of the adenosine triphosphate (ATP) aptamer biosensor for cerebral ATP assay. *Analytical Chemistry*, **2015**, 87, 1373-80	7.8	71
56	Real-time ratiometric fluorescent assay for alkaline phosphatase activity with stimulus responsive infinite coordination polymer nanoparticles. *Analytical Chemistry*, **2015**, 87, 3080-6	7.8	197
55	An efficient electrocatalyst for oxygen reduction reaction derived from a Co-porphyrin-based covalent organic framework. *Electrochemistry Communications*, **2015**, 52, 53-57	5.1	86

54	A Bioinspired Light-Controlled Ionic Switch Based on Nanopipettes. *Electroanalysis*, **2015**, 27, 879-883	3	6
53	Improving the fluorescence detection limit with positively charged carbon nanostructures as a low background signal platform. *Analyst, The*, **2014**, 139, 2114-7	5	5
52	Visualization and quantification of neurochemicals with gold nanoparticles: opportunities and challenges. *Advanced Materials*, **2014**, 26, 6933-43	24	55
51	Rapid and Cost-Effective Synthesis of Nanosized Zeolitic Imidazolate Framework-7 with N,N?-Dimethylformamide as Solvent and Metal Acetate Salt as Metal Source. *ChemPlusChem*, **2014**, 79, 907-913	2.8	17
50	Platinized aligned carbon nanotube-sheathed carbon fiber microelectrodes for in vivo amperometric monitoring of oxygen. *Analytical Chemistry*, **2014**, 86, 5017-23	7.8	48
49	Single-layer MnO2 nanosheets suppressed fluorescence of 7-hydroxycoumarin: mechanistic study and application for sensitive sensing of ascorbic acid in vivo. *Analytical Chemistry*, **2014**, 86, 12206-13	7.8	266
48	Water-stable, adaptive, and electroactive supramolecular ionic material and its application in biosensing. *ACS Applied Materials & Interfaces*, **2014**, 6, 5988-95	9.5	6
47	Effective visualization assay for alcohol content sensing and methanol differentiation with solvent stimuli-responsive supramolecular ionic materials. *Analytical Chemistry*, **2014**, 86, 7280-5	7.8	23
46	Vertically aligned carbon nanotube-sheathed carbon fibers as pristine microelectrodes for selective monitoring of ascorbate in vivo. *Analytical Chemistry*, **2014**, 86, 3909-14	7.8	86
45	Continuous and simultaneous electrochemical measurements of glucose, lactate, and ascorbate in rat brain following brain ischemia. *Analytical Chemistry*, **2014**, 86, 3895-901	7.8	87
44	Nanoparticles: Visualization and Quantification of Neurochemicals with Gold Nanoparticles: Opportunities and Challenges (Adv. Mater. 40/2014). *Advanced Materials*, **2014**, 26, 6984-6984	24	1
43	In vivo electrochemical recording of continuous change of magnesium in medial vestibular nucleus following vertigo induced by ice water vestibular stimulation. *Science China Chemistry*, **2013**, 56, 256-261	7.9	3
42	Competitive coordination of Cu2+ between cysteine and pyrophosphate ion: toward sensitive and selective sensing of pyrophosphate ion in synovial fluid of arthritis patients. *Analytical Chemistry*, **2013**, 85, 2516-22	7.8	102
41	Zeolitic imidazolate framework-based electrochemical biosensor for in vivo electrochemical measurements. *Analytical Chemistry*, **2013**, 85, 7550-7	7.8	191
40	Anion-exchange-based amperometric assay for heparin using polyimidazolium as synthetic receptor. *Analytical Chemistry*, **2013**, 85, 3439-45	7.8	51
39	Silver Phosphate/Carbon Nanotube-Stabilized Pickering Emulsion for Highly Efficient Photocatalysis. *Journal of Physical Chemistry C*, **2013**, 117, 15183-15191	3.8	87
38	Photodecomposition of ferrocenedicarboxylic acid in methanol to form an electroactive infinite coordination polymer and its application in bioelectrochemistry. *ACS Applied Materials & Interfaces*, **2013**, 5, 8120-4	9.5	23
37	Hybridization of bioelectrochemically functional infinite coordination polymer nanoparticles with carbon nanotubes for highly sensitive and selective in vivo electrochemical monitoring. *Analytical Chemistry*, **2013**, 85, 4007-13	7.8	42

36	Online electrochemical monitoring of dynamic change of hippocampal ascorbate: toward a platform for in vivo evaluation of antioxidant neuroprotective efficiency against cerebral ischemia injury. *Analytical Chemistry*, **2013**, 85, 9947-54	7.8	68
35	Electrochemical post-treatment of infinite coordination polymers: an effective route to preparation of Pd nanoparticles supported onto carbon nanotubes with enhanced electrocatalytic activity toward ethanol oxidation. *ACS Applied Materials & Interfaces*, **2013**, 5, 11471-8	9.5	31
34	Biofuel cell-based self-powered biogenerators for online continuous monitoring of neurochemicals in rat brain. *Analyst, The*, **2013**, 138, 179-85	5	46
33	Charge□transfer interaction between melamine and quinones: Towards voltammetric determination of melamine. *Electrochemistry Communications*, **2013**, 26, 89-92	5.1	9
32	Alkaline post-treatment of Cd(II)-glutathione coordination polymers: toward green synthesis of water-soluble and cytocompatible CdS quantum dots with tunable optical properties. *ACS Applied Materials & Interfaces*, **2013**, 5, 5239-46	9.5	45
31	Cysteine-modulated colorimetric sensing of extracellular Mg2+ in rat brain based on the strong chelation interaction between dithiothreitol and Mg2+. *Analyst, The*, **2013**, 138, 3046-52	5	13
30	Microfluidic chip-based online electrochemical detecting system for continuous and simultaneous monitoring of ascorbate and Mg2+ in rat brain. *Analytical Chemistry*, **2013**, 85, 7599-605	7.8	38
29	Real-time colorimetric assay of inorganic pyrophosphatase activity based on reversibly competitive coordination of Cu2+ between cysteine and pyrophosphate ion. *Analytical Chemistry*, **2013**, 85, 9409-15	7.8	85
28	An electrochemical method for investigation of conformational flexibility of active sites of Trametes versicolor laccase based on sensitive determination of copper ion with cysteine-modified electrodes. *Analytical Chemistry*, **2012**, 84, 9416-21	7.8	19
27	Aspartic acid-promoted highly selective and sensitive colorimetric sensing of cysteine in rat brain. *Analytical Chemistry*, **2012**, 84, 9579-84	7.8	77
26	In vivo electrochemical monitoring of the change of cochlear perilymph ascorbate during salicylate-induced tinnitus. *Analytical Chemistry*, **2012**, 84, 5433-8	7.8	21
25	Continuous electrochemical monitoring of extracellular lactate production from neonatal rat cardiomyocytes following myocardial hypoxia. *Analytical Chemistry*, **2012**, 84, 5285-91	7.8	18
24	Rational design of surface/interface chemistry for quantitative in vivo monitoring of brain chemistry. *Accounts of Chemical Research*, **2012**, 45, 533-43	24.3	129
23	Strong interaction between imidazolium-based polycationic polymer and ferricyanide: toward redox potential regulation for selective in vivo electrochemical measurements. *Analytical Chemistry* , **2012**, 84, 1900-6	7.8	37
22	Graphene as a spacer to layer-by-layer assemble electrochemically functionalized nanostructures for molecular bioelectronic devices. *Langmuir*, **2011**, 27, 11180-6	4	60
21	Electrochemical Quantification of Hygroscopicity of Ionic Liquids with Solution-Dissolved Potassium Ferricyanide as the Redox Probe. *Electroanalysis*, **2011**, 23, 2870-2877	3	9
20	Bioelectrochemically active infinite coordination polymer nanoparticles: one-pot synthesis and biosensing property. *Chemistry - A European Journal*, **2011**, 17, 11390-3	4.8	37
19	Rational design and one-step formation of multifunctional gel transducer for simple fabrication of integrated electrochemical biosensors. *Analytical Chemistry*, **2011**, 83, 5715-20	7.8	28

18	Noncovalent attachment of NAD+ cofactor onto carbon nanotubes for preparation of integrated dehydrogenase-based electrochemical biosensors. *Langmuir*, **2010**, 26, 6028-32	4	56
17	Online electrochemical measurements of Ca2+ and Mg2+ in rat brain based on divalent cation enhancement toward electrocatalytic NADH oxidation. *Analytical Chemistry*, **2010**, 82, 9885-91	7.8	31
16	Potential-controllable green synthesis and deposition of metal nanoparticles with electrochemical method. *Journal of Materials Chemistry*, **2010**, 20, 5820		25
15	A non-oxidative electrochemical approach to online measurements of dopamine release through laccase-catalyzed oxidation and intramolecular cyclization of dopamine. *Biosensors and Bioelectronics*, **2010**, 25, 1350-5	11.8	48
14	Dynamic regional changes of extracellular ascorbic acid during global cerebral ischemia: studied with in vivo microdialysis coupled with on-line electrochemical detection. *Brain Research*, **2009**, 1253, 161-8	3.7	72
13	Electrochemical sensing of ATP with synthetic cyclophane as recognition element. *Science in China Series B: Chemistry*, **2009**, 52, 741-745		4
12	Physiologically relevant online electrochemical method for continuous and simultaneous monitoring of striatum glucose and lactate following global cerebral ischemia/reperfusion. *Analytical Chemistry*, **2009**, 81, 2067-74	7.8	99
11	In situ cationic ring-opening polymerization and quaternization reactions to confine ferricyanide onto carbon nanotubes: a general approach to development of integrative nanostructured electrochemical biosensors. *Analytical Chemistry*, **2008**, 80, 6587-93	7.8	30
10	Comparative study of change in extracellular ascorbic acid in different brain ischemia/reperfusion models with in vivo microdialysis combined with on-line electrochemical detection. *Neurochemistry International*, **2008**, 52, 1247-55	4.4	45
9	Aptamer-based electrochemical sensors with aptamer-complementary DNA oligonucleotides as probe. *Analytical Chemistry*, **2008**, 80, 1883-90	7.8	185
8	Aptamer-based electrochemical sensors that are not based on the target binding-induced conformational change of aptamers. *Analyst, The*, **2008**, 133, 1256-60	5	50
7	Rational Functionalization of Carbon Nanotube/Ionic Liquid Bucky Gel with Dual Tailor-Made Electrocatalysts for Four-Electron Reduction of Oxygen. *Journal of Physical Chemistry C*, **2008**, 112, 2177-2182	3.8	61
6	A simple assay for direct colorimetric visualization of trinitrotoluene at picomolar levels using gold nanoparticles. *Angewandte Chemie - International Edition*, **2008**, 47, 8601-4	16.4	296
5	Rational Functionalization of Carbon Nanotubes Leading to Electrochemical Devices with Striking Applications. *Advanced Materials*, **2008**, 20, 2899-2906	24	42
4	A Simple Assay for Direct Colorimetric Visualization of Trinitrotoluene at Picomolar Levels Using Gold Nanoparticles. *Angewandte Chemie*, **2008**, 120, 8729-8732	3.6	69
3	A facile electrochemical method for simultaneous and on-line measurements of glucose and lactate in brain microdialysate with prussian blue as the electrocatalyst for reduction of hydrogen peroxide. *Analytical Chemistry*, **2007**, 79, 9577-83	7.8	101
2	Laccase-catalyzed oxidation and intramolecular cyclization of dopamine: A new method for selective determination of dopamine with laccase/carbon nanotube-based electrochemical biosensors. *Electrochimica Acta*, **2007**, 52, 4144-4152	6.7	66
1	Molecular films of water-miscible ionic liquids formed on glassy carbon electrodes: characterization and electrochemical applications. *Langmuir*, **2005**, 21, 9000-6	4	126