

Ping Yu

List of Publications by Citations

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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 simple assay for direct colorimetric visualization of trinitrotoluene at picomolar levels using gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8601-4	16.4	296
142	Graphdiyne oxides as excellent substrate for electroless deposition of Pd clusters with high catalytic activity. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5260-3	16.4	272
141	Single-layer MnO ₂ nanosheets suppressed fluorescence of 7-hydroxycoumarin: mechanistic study and application for sensitive sensing of ascorbic acid in vivo. <i>Analytical Chemistry</i> , 2014 , 86, 12206-13	7.8	266
140	Real-time ratiometric fluorescent assay for alkaline phosphatase activity with stimulus responsive infinite coordination polymer nanoparticles. <i>Analytical Chemistry</i> , 2015 , 87, 3080-6	7.8	197
139	Mitochondria Targeted Nanoscale Zeolitic Imidazole Framework-90 for ATP Imaging in Live Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5877-5882	16.4	193
138	Zeolitic imidazolate framework-based electrochemical biosensor for in vivo electrochemical measurements. <i>Analytical Chemistry</i> , 2013 , 85, 7550-7	7.8	191
137	Aptamer-based electrochemical sensors with aptamer-complementary DNA oligonucleotides as probe. <i>Analytical Chemistry</i> , 2008 , 80, 1883-90	7.8	185
136	Rational design of surface/interface chemistry for quantitative in vivo monitoring of brain chemistry. <i>Accounts of Chemical Research</i> , 2012 , 45, 533-43	24.3	129
135	In Vivo Analysis with Electrochemical Sensors and Biosensors. <i>Analytical Chemistry</i> , 2017 , 89, 300-313	7.8	127
134	Molecular films of water-miscible ionic liquids formed on glassy carbon electrodes: characterization and electrochemical applications. <i>Langmuir</i> , 2005 , 21, 9000-6	4	126
133	A single-atom Fe-N catalytic site mimicking bifunctional antioxidative enzymes for oxidative stress cytoprotection. <i>Chemical Communications</i> , 2018 , 55, 159-162	5.8	120
132	Competitive coordination of Cu ²⁺ between cysteine and pyrophosphate ion: toward sensitive and selective sensing of pyrophosphate ion in synovial fluid of arthritis patients. <i>Analytical Chemistry</i> , 2013 , 85, 2516-22	7.8	102
131	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3922-3926	16.4	101
130	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. <i>Analytical Chemistry</i> , 2007 , 79, 9577-83	7.8	101
129	Physiologically relevant online electrochemical method for continuous and simultaneous monitoring of striatum glucose and lactate following global cerebral ischemia/reperfusion. <i>Analytical Chemistry</i> , 2009 , 81, 2067-74	7.8	99
128	Graphdiyne oxide as a platform for fluorescence sensing. <i>Chemical Communications</i> , 2016 , 52, 5629-32	5.8	92
127	Continuous and simultaneous electrochemical measurements of glucose, lactate, and ascorbate in rat brain following brain ischemia. <i>Analytical Chemistry</i> , 2014 , 86, 3895-901	7.8	87

126	Silver Phosphate/Carbon Nanotube-Stabilized Pickering Emulsion for Highly Efficient Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15183-15191	3.8	87
125	Vertically aligned carbon nanotube-sheathed carbon fibers as pristine microelectrodes for selective monitoring of ascorbate in vivo. <i>Analytical Chemistry</i> , 2014 , 86, 3909-14	7.8	86
124	An efficient electrocatalyst for oxygen reduction reaction derived from a Co-porphyrin-based covalent organic framework. <i>Electrochemistry Communications</i> , 2015 , 52, 53-57	5.1	86
123	Real-time colorimetric assay of inorganic pyrophosphatase activity based on reversibly competitive coordination of Cu ²⁺ between cysteine and pyrophosphate ion. <i>Analytical Chemistry</i> , 2013 , 85, 9409-15	7.8	85
122	Aspartic acid-promoted highly selective and sensitive colorimetric sensing of cysteine in rat brain. <i>Analytical Chemistry</i> , 2012 , 84, 9579-84	7.8	77
121	Single-Atom Co-N Electrocatalyst Enabling Four-Electron Oxygen Reduction with Enhanced Hydrogen Peroxide Tolerance for Selective Sensing. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16861-16867	16.4	77
120	Micrometer-Scale Ion Current Rectification at Polyelectrolyte Brush-Modified Micropipets. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1396-1399	16.4	74
119	Dynamic regional changes of extracellular ascorbic acid during global cerebral ischemia: studied with in vivo microdialysis coupled with on-line electrochemical detection. <i>Brain Research</i> , 2009 , 1253, 161-8	3.7	72
118	Dual recognition unit strategy improves the specificity of the adenosine triphosphate (ATP) aptamer biosensor for cerebral ATP assay. <i>Analytical Chemistry</i> , 2015 , 87, 1373-80	7.8	71
117	A Simple Assay for Direct Colorimetric Visualization of Trinitrotoluene at Picomolar Levels Using Gold Nanoparticles. <i>Angewandte Chemie</i> , 2008 , 120, 8729-8732	3.6	69
116	Online electrochemical monitoring of dynamic change of hippocampal ascorbate: toward a platform for in vivo evaluation of antioxidant neuroprotective efficiency against cerebral ischemia injury. <i>Analytical Chemistry</i> , 2013 , 85, 9947-54	7.8	68
115	Laccase-catalyzed oxidation and intramolecular cyclization of dopamine: A new method for selective determination of dopamine with laccase/carbon nanotube-based electrochemical biosensors. <i>Electrochimica Acta</i> , 2007 , 52, 4144-4152	6.7	66
114	Rational Functionalization of Carbon Nanotube/Ionic Liquid Bucky Gel with Dual Tailor-Made Electrocatalysts for Four-Electron Reduction of Oxygen. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 21772-182	3.8	61
113	Graphene as a spacer to layer-by-layer assemble electrochemically functionalized nanostructures for molecular bioelectronic devices. <i>Langmuir</i> , 2011 , 27, 11180-6	4	60
112	Single-atom Ni-N provides a robust cellular NO sensor. <i>Nature Communications</i> , 2020 , 11, 3188	17.4	59
111	Electrochemical Sensors for Neurochemicals: Recent Update. <i>ACS Sensors</i> , 2019 , 4, 3102-3118	9.2	56
110	Noncovalent attachment of NAD ⁺ cofactor onto carbon nanotubes for preparation of integrated dehydrogenase-based electrochemical biosensors. <i>Langmuir</i> , 2010 , 26, 6028-32	4	56
109	Self-powered electrochemical systems as neurochemical sensors: toward self-triggered in vivo analysis of brain chemistry. <i>Chemical Society Reviews</i> , 2017 , 46, 2692-2704	58.5	55

108	Role of Organic Solvents in Immobilizing Fungus Laccase on Single-Walled Carbon Nanotubes for Improved Current Response in Direct Bioelectrocatalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1565-1574	16.4	55
107	Visualization and quantification of neurochemicals with gold nanoparticles: opportunities and challenges. <i>Advanced Materials</i> , 2014 , 26, 6933-43	24	55
106	Graphdiyne as Electrode Material: Tuning Electronic State and Surface Chemistry for Improved Electrode Reactivity. <i>Analytical Chemistry</i> , 2017 , 89, 13008-13015	7.8	52
105	Photoinduced Regeneration of an Aptamer-Based Electrochemical Sensor for Sensitively Detecting Adenosine Triphosphate. <i>Analytical Chemistry</i> , 2018 , 90, 4968-4971	7.8	51
104	Anion-exchange-based amperometric assay for heparin using polyimidazolium as synthetic receptor. <i>Analytical Chemistry</i> , 2013 , 85, 3439-45	7.8	51
103	Aptamer-based electrochemical sensors that are not based on the target binding-induced conformational change of aptamers. <i>Analyst, The</i> , 2008 , 133, 1256-60	5	50
102	In Vivo Monitoring of Oxygen in Rat Brain by Carbon Fiber Microelectrode Modified with Antifouling Nanoporous Membrane. <i>Analytical Chemistry</i> , 2019 , 91, 3645-3651	7.8	49
101	Colorimetric and Fluorescent Dual Mode Sensing of Alcoholic Strength in Spirit Samples with Stimuli-Responsive Infinite Coordination Polymers. <i>Analytical Chemistry</i> , 2015 , 87, 6958-65	7.8	49
100	MnO ₂ nanosheets based fluorescent sensing platform with organic dyes as a probe with excellent analytical properties. <i>Analyst, The</i> , 2015 , 140, 4021-9	5	48
99	Platinized aligned carbon nanotube-sheathed carbon fiber microelectrodes for in vivo amperometric monitoring of oxygen. <i>Analytical Chemistry</i> , 2014 , 86, 5017-23	7.8	48
98	A non-oxidative electrochemical approach to online measurements of dopamine release through laccase-catalyzed oxidation and intramolecular cyclization of dopamine. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1350-5	11.8	48
97	Biofuel cell-based self-powered biogenerators for online continuous monitoring of neurochemicals in rat brain. <i>Analyst, The</i> , 2013 , 138, 179-85	5	46
96	Graphdiyne-Promoted Highly Efficient Photocatalytic Activity of Graphdiyne/Silver Phosphate Pickering Emulsion Under Visible-Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2684-2691	9.5	45
95	Alkaline post-treatment of Cd(II)-glutathione coordination polymers: toward green synthesis of water-soluble and cytocompatible CdS quantum dots with tunable optical properties. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5239-46	9.5	45
94	Comparative study of change in extracellular ascorbic acid in different brain ischemia/reperfusion models with in vivo microdialysis combined with on-line electrochemical detection. <i>Neurochemistry International</i> , 2008 , 52, 1247-55	4.4	45
93	Biological Applications of Organic Electrochemical Transistors: Electrochemical Biosensors and Electrophysiology Recording. <i>Frontiers in Chemistry</i> , 2019 , 7, 313	5	44
92	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 746-750	16.4	44
91	Hybridization of bioelectrochemically functional infinite coordination polymer nanoparticles with carbon nanotubes for highly sensitive and selective in vivo electrochemical monitoring. <i>Analytical Chemistry</i> , 2013 , 85, 4007-13	7.8	42

90	Rational Functionalization of Carbon Nanotubes Leading to Electrochemical Devices with Striking Applications. <i>Advanced Materials</i> , 2008 , 20, 2899-2906	24	42
89	Electron Hopping by Interfacing Semiconducting Graphdiyne Nanosheets and Redox Molecules for Selective Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2074-2082	16.4	39
88	Microfluidic chip-based online electrochemical detecting system for continuous and simultaneous monitoring of ascorbate and Mg ²⁺ in rat brain. <i>Analytical Chemistry</i> , 2013 , 85, 7599-605	7.8	38
87	Strong interaction between imidazolium-based polycationic polymer and ferricyanide: toward redox potential regulation for selective in vivo electrochemical measurements. <i>Analytical Chemistry</i> , 2012 , 84, 1900-6	7.8	37
86	Bioelectrochemically active infinite coordination polymer nanoparticles: one-pot synthesis and biosensing property. <i>Chemistry - A European Journal</i> , 2011 , 17, 11390-3	4.8	37
85	Chaotropic Monovalent Anion-Induced Rectification Inversion at Nanopipettes Modified by Polyimidazolium Brushes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4590-4593	16.4	36
84	Observing single nanoparticle events at the orifice of a nanopipet. <i>Chemical Science</i> , 2016 , 7, 6365-6368	9.4	36
83	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. <i>Analytical Chemistry</i> , 2016 , 88, 11238-11243	7.8	35
82	Sensitive and Fast Humidity Sensor Based on A Redox Conducting Supramolecular Ionic Material for Respiration Monitoring. <i>Analytical Chemistry</i> , 2017 , 89, 996-1001	7.8	34
81	On-site sensors based on infinite coordination polymer nanoparticles: Recent progress and future challenge. <i>Applied Materials Today</i> , 2018 , 11, 338-351	6.6	32
80	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. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11471-8	9.5	31
79	Online electrochemical measurements of Ca ²⁺ and Mg ²⁺ in rat brain based on divalent cation enhancement toward electrocatalytic NADH oxidation. <i>Analytical Chemistry</i> , 2010 , 82, 9885-91	7.8	31
78	Tuning interionic interaction for highly selective in vivo analysis. <i>Chemical Society Reviews</i> , 2015 , 44, 5959-68	9.6	30
77	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. <i>Analytical Chemistry</i> , 2008 , 80, 6587-93	7.8	30
76	Electrochemical Monitoring of Propagative Fluctuation of Ascorbate in the Live Rat Brain during Spreading Depolarization. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6616-6619	16.4	29
75	Rational design and one-step formation of multifunctional gel transducer for simple fabrication of integrated electrochemical biosensors. <i>Analytical Chemistry</i> , 2011 , 83, 5715-20	7.8	28
74	Dopamine-Directed In-Situ and One-Step Synthesis of Au@Ag Core-Shell Nanoparticles Immobilized to a Metal-Organic Framework for Synergistic Catalysis. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2705-2709	4.5	27
73	Selective Amperometric Recording of Endogenous Ascorbate Secretion from a Single Rat Adrenal Chromaffin Cell with Pretreated Carbon Fiber Microelectrodes. <i>Analytical Chemistry</i> , 2017 , 89, 9502-9507	7.8	27

72	Highly Selective Cerebral ATP Assay Based on Micrometer Scale Ion Current Rectification at Polyimidazolium-Modified Micropipettes. <i>Analytical Chemistry</i> , 2017 , 89, 6794-6799	7.8	26
71	Metal-Organic Framework Membrane Nanopores as Biomimetic Photoresponsive Ion Channels and Photodriven Ion Pumps. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12795-12799	16.4	25
70	Potential-controllable green synthesis and deposition of metal nanoparticles with electrochemical method. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5820		25
69	Graphdiyne oxide: a new carbon nanozyme. <i>Chemical Communications</i> , 2020 , 56, 5115-5118	5.8	25
68	A multi-enzyme microreactor-based online electrochemical system for selective and continuous monitoring of acetylcholine. <i>Analyst, The</i> , 2015 , 140, 3781-7	5	24
67	Recent advances on in vivo analysis of ascorbic acid in brain functions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 109, 247-259	14.6	24
66	Effective visualization assay for alcohol content sensing and methanol differentiation with solvent stimuli-responsive supramolecular ionic materials. <i>Analytical Chemistry</i> , 2014 , 86, 7280-5	7.8	23
65	Photodecomposition of ferrocenedicarboxylic acid in methanol to form an electroactive infinite coordination polymer and its application in bioelectrochemistry. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8120-4	9.5	23
64	Ion current rectification: from nanoscale to microscale. <i>Science China Chemistry</i> , 2019 , 62, 1346-1359	7.9	21
63	In vivo electrochemical monitoring of the change of cochlear perilymph ascorbate during salicylate-induced tinnitus. <i>Analytical Chemistry</i> , 2012 , 84, 5433-8	7.8	21
62	Unveiling the Role of DJ-1 Protein in Vesicular Storage and Release of Catecholamine with Nano/Micro-Tip Electrodes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11061-11065	16.4	20
61	Rational Design of Bioelectrochemically Multifunctional Film with Oxidase, Ferrocene, and Graphene Oxide for Development of in Vivo Electrochemical Biosensors. <i>Analytical Chemistry</i> , 2016 , 88, 5885-91	7.8	20
60	Galvanic Redox Potentiometry for Self-Driven in Vivo Measurement of Neurochemical Dynamics at Open-Circuit Potential. <i>Analytical Chemistry</i> , 2018 , 90, 13021-13029	7.8	20
59	Bioelectrochemistry for in vivo analysis: Interface engineering toward implantable electrochemical biosensors. <i>Current Opinion in Electrochemistry</i> , 2017 , 5, 152-157	7.2	19
58	An electrochemical method for investigation of conformational flexibility of active sites of <i>Trametes versicolor</i> laccase based on sensitive determination of copper ion with cysteine-modified electrodes. <i>Analytical Chemistry</i> , 2012 , 84, 9416-21	7.8	19
57	Continuous electrochemical monitoring of extracellular lactate production from neonatal rat cardiomyocytes following myocardial hypoxia. <i>Analytical Chemistry</i> , 2012 , 84, 5285-91	7.8	18
56	Carbon Atom Hybridization Matters: Ultrafast Humidity Response of Graphdiyne Oxides. <i>Angewandte Chemie</i> , 2018 , 130, 3986-3990	3.6	17
55	Rapid and Cost-Effective Synthesis of Nanosized Zeolitic Imidazolate Framework-7 with N,N'-Dimethylformamide as Solvent and Metal Acetate Salt as Metal Source. <i>ChemPlusChem</i> , 2014 , 79, 907-913	2.8	17

54	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22652-22658	16.4	16
53	Nitrogen-doped carbon nanotubes as an excellent substrate for electroless deposition of Pd nanoparticles with a high efficiency toward the hydrogen evolution reaction. <i>Electrochemistry Communications</i> , 2018 , 90, 91-95	5.1	15
52	Chaotropic Monovalent Anion-Induced Rectification Inversion at Nanopipettes Modified by Polyimidazolium Brushes. <i>Angewandte Chemie</i> , 2018 , 130, 4680-4683	3.6	15
51	Cysteine-modulated colorimetric sensing of extracellular Mg ²⁺ in rat brain based on the strong chelation interaction between dithiothreitol and Mg ²⁺ . <i>Analyst, The</i> , 2013 , 138, 3046-52	5	13
50	Natural Leukocyte Membrane-Masked Microelectrodes with an Enhanced Antifouling Ability and Biocompatibility for Electrochemical Sensing. <i>Analytical Chemistry</i> , 2020 , 92, 11374-11379	7.8	13
49	Electrochemical Monitoring of Propagative Fluctuation of Ascorbate in the Live Rat Brain during Spreading Depolarization. <i>Angewandte Chemie</i> , 2019 , 131, 6688-6691	3.6	12
48	In vivo and continuous measurement of bisulfide in the hippocampus of rat brain by an on-line integrated microdialysis/droplet-based microfluidic system. <i>Analyst, The</i> , 2015 , 140, 3814-9	5	12
47	Exploring Ferredoxin-Dependent Glutamate Synthase as an Enzymatic Bioelectrocatalyst. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12700-12704	16.4	12
46	Counting and Sizing of Single Vesicles/Liposomes by Electrochemical Events. <i>ChemElectroChem</i> , 2018 , 5, 2954-2962	4.3	12
45	Galvanic Redox Potentiometry Based Microelectrode Array for Synchronous Ascorbate and Single-Unit Recordings in Rat Brain. <i>Analytical Chemistry</i> , 2020 , 92, 10177-10182	7.8	11
44	Analytical and Quantitative in Vivo Monitoring of Brain Neurochemistry by Electrochemical and Imaging Approaches. <i>ACS Omega</i> , 2018 , 3, 13267-13274	3.9	11
43	Deep Learning for Voltammetric Sensing in a Living Animal Brain. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23777-23783	16.4	11
42	Optoelectronic modulation of ionic conductance and rectification through a heterogeneous 1D/2D nanofluidic membrane. <i>Chemical Communications</i> , 2020 , 56, 3508-3511	5.8	10
41	Unveiling the Role of DJ-1 Protein in Vesicular Storage and Release of Catecholamine with Nano/Micro-Tip Electrodes. <i>Angewandte Chemie</i> , 2020 , 132, 11154-11158	3.6	10
40	Voltage-driven counting of phospholipid vesicles with nanopipettes by resistive-pulse principle. <i>Electrochemistry Communications</i> , 2018 , 89, 38-42	5.1	10
39	Comparative investigation of small laccase immobilized on carbon nanomaterials for direct bioelectrocatalysis of oxygen reduction. <i>Electrochemistry Communications</i> , 2019 , 101, 82-87	5.1	9
38	Real-time and in-situ intracellular ATP assay with polyimidazolium brush-modified nanopipette. <i>Science China Chemistry</i> , 2020 , 63, 1004-1011	7.9	9
37	Online electrochemical system as an in vivo method to study dynamic changes of ascorbate in rat brain during 3-methylindole-induced olfactory dysfunction. <i>Analyst, The</i> , 2016 , 141, 2199-207	5	9

36	Charge transfer interaction between melamine and quinones: Towards voltammetric determination of melamine. <i>Electrochemistry Communications</i> , 2013 , 26, 89-92	5.1	9
35	Electrochemical Quantification of Hygroscopicity of Ionic Liquids with Solution-Dissolved Potassium Ferricyanide as the Redox Probe. <i>Electroanalysis</i> , 2011 , 23, 2870-2877	3	9
34	Dual-function interface engineering for efficient perovskite solar cells. <i>EcoMat</i> , 2021 , 3, e12092	9.4	9
33	Ischemic Postconditioning Recovers Cortex Ascorbic Acid during Ischemia/Reperfusion Monitored with an Online Electrochemical System. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2576-2583	5.7	8
32	Ferricyanide-backfilled cylindrical carbon fiber microelectrodes for in vivo analysis with high stability and low polarized potential. <i>Analyst, The</i> , 2015 , 140, 7154-9	5	8
31	Sizing Single Particles at the Orifice of a Nanopipette. <i>ACS Sensors</i> , 2020 , 5, 2351-2358	9.2	8
30	Simultaneous in vivo ascorbate and electrophysiological recordings in rat brain following ischemia/reperfusion. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 90-96	4.1	8
29	In Vivo Monitoring of Oxygen Fluctuation Simultaneously at Multiple Sites of Rat Cortex during Spreading Depression. <i>Analytical Chemistry</i> , 2018 , 90, 13783-13789	7.8	8
28	Water-stable, adaptive, and electroactive supramolecular ionic material and its application in biosensing. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5988-95	9.5	6
27	A Bioinspired Light-Controlled Ionic Switch Based on Nanopipettes. <i>Electroanalysis</i> , 2015 , 27, 879-883	3	6
26	Carbon support tuned electrocatalytic activity of a single-site metal-organic framework toward the oxygen reduction reaction. <i>Chemical Science</i> , 2021 , 12, 7908-7917	9.4	6
25	An Online Electrochemical System for Continuously Monitoring Uric Acid Change following Rabbit Kidney following Ischemia-reperfusion Injury. <i>Electrochimica Acta</i> , 2016 , 209, 132-137	6.7	5
24	Improving the fluorescence detection limit with positively charged carbon nanostructures as a low background signal platform. <i>Analyst, The</i> , 2014 , 139, 2114-7	5	5
23	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. <i>Angewandte Chemie</i> , 2020 , 132, 22841-22847	3.6	5
22	Water Adsorption and Transport on Oxidized Two-Dimensional Carbon Materials. <i>Chemistry - A European Journal</i> , 2019 , 25, 3969-3978	4.8	5
21	Synaptic Iontronic Devices for Brain-Mimicking Functions: Fundamentals and Applications.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 71-84	4.1	5
20	Micrometer-scale transient ion transport for real-time pH assay in living rat brains. <i>Chemical Science</i> , 2021 , 12, 7369-7376	9.4	5
19	Label-Free Resistance Cytometry at the Orifice of a Nanopipette. <i>Analytical Chemistry</i> , 2021 , 93, 2942-2949	9.4	5

18	Electrophoretically Sheathed Carbon Fiber Microelectrodes with Metal/Nitrogen/Carbon Electro catalyst for Electrochemical Monitoring of Oxygen in Vivo.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1376-1383	4.1	4
17	Online electrochemical systems for continuous neurochemical measurements with low-potential mediator-based electrochemical biosensors as selective detectors. <i>Analyst, The</i> , 2015 , 140, 5039-47	5	4
16	Metal-Organic Framework Membrane Nanopores as Biomimetic Photoresponsive Ion Channels and Photodriven Ion Pumps. <i>Angewandte Chemie</i> , 2020 , 132, 12895-12899	3.6	4
15	Tuning interionic interaction by rationally controlling solution pH for highly selective colorimetric sensing of arginine. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3005-12	4.4	4
14	Electrochemical sensing of ATP with synthetic cyclophane as recognition element. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 741-745		4
13	Nonlinear dependence of the ion current rectification factor on bias voltage in conical nanopipettes. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 106-111	4.1	3
12	In vivo electrochemical recording of continuous change of magnesium in medial vestibular nucleus following vertigo induced by ice water vestibular stimulation. <i>Science China Chemistry</i> , 2013 , 56, 256-261	7.9	3
11	A single-atom Cu-N catalyst eliminates oxygen interference for electrochemical sensing of hydrogen peroxide in a living animal brain.. <i>Chemical Science</i> , 2021 , 12, 15045-15053	9.4	3
10	Label-free analysis of adsorbed protein heterogeneity on individual particles, based on single particle collision events. <i>Electrochemistry Communications</i> , 2020 , 111, 106666	5.1	2
9	An Online Electrochemical System for Continuous Measurement of Glutamate with Signal Amplification by Enzymatic Substrate Cycling. <i>Electroanalysis</i> , 2015 , 27, 2406-2411	3	2
8	Synchronous Detection of Rat Neural Spike Firing and Neurochemical Signals Based on Dual-mode Recording Instrument. <i>Chinese Journal of Analytical Chemistry</i> , 2016 , 44, 1458-1464	1.6	2
7	Deep Learning for Voltammetric Sensing in a Living Animal Brain. <i>Angewandte Chemie</i> , 2021 , 133, 23970	3.6	2
6	Nanoparticles: Visualization and Quantification of Neurochemicals with Gold Nanoparticles: Opportunities and Challenges (Adv. Mater. 40/2014). <i>Advanced Materials</i> , 2014 , 26, 6984-6984	24	1
5	Dynamic Behavior of Charged Particles at the Nanopipette Orifice. <i>ACS Sensors</i> , 2021 , 6, 2330-2338	9.2	1
4	Exfoliated graphdiyne for the electroless deposition of Au nanoparticles with high catalytic activity. <i>Analyst, The</i> , 2021 , 146, 444-449	5	1
3	Role of rare-earth elements in enhancing bioelectrocatalysis for biosensing with NAD-dependent glutamate dehydrogenase. <i>Chemical Science</i> , 2021 , 12, 13434-13441	9.4	0
2	Galvanic Redox Potentiometry for In Vivo Sensing 2021 , 453-481		
1	High-Yield and Damage-free Exfoliation of Layered Graphdiyne in Aqueous Phase. <i>Angewandte Chemie</i> , 2018 , 131, 756	3.6	

