Wei Qin

List of Publications by Year in Descending Order

80 papers	1,971 citations	25 h-index	41 g-index
82 ext. papers	2,321 ext. citations	7.6 avg, IF	5.76 L-index

#	Paper	IF	Citations
80	Towards potentiometric detection in nonaqueous media: Evaluation of the impacts of organic solvents on polymeric membrane ion-selective electrodes.. *Talanta*, **2022**, 241, 123238	6.2	0
79	Anti-fouling polymeric membrane ion-selective electrodes. *TrAC - Trends in Analytical Chemistry*, **2022**, 150, 116572	14.6	0
78	Redox probe-based amperometric sensing for solid-contact ion-selective electrodes. *Talanta*, **2021**, 239, 123114	6.2	0
77	Potentiometric aptasensing of Escherichia coli based on electrogenerated chemiluminescence as a highly sensitive readout.. *Biosensors and Bioelectronics*, **2021**, 200, 113923	11.8	0
76	Enhancing the Oil-Fouling Resistance of Polymeric Membrane Ion-Selective Electrodes by Surface Modification of a Zwitterionic Polymer-Based Oleophobic Self-Cleaning Coating. *Analytical Chemistry*, **2021**, 93, 6932-6937	7.8	9
75	Magnetic-Field-Driven Extraction of Bioreceptors into Polymeric Membranes for Label-Free Potentiometric Biosensing. *Angewandte Chemie - International Edition*, **2021**, 60, 2609-2613	16.4	4
74	Magnetic-Field-Driven Extraction of Bioreceptors into Polymeric Membranes for Label-Free Potentiometric Biosensing. *Angewandte Chemie*, **2021**, 133, 2641-2645	3.6	0
73	Polymeric membrane ion-selective electrodes with anti-biofouling properties by surface modification of silver nanoparticles. *Sensors and Actuators B: Chemical*, **2021**, 328, 129014	8.5	10
72	Magneto-controlled potentiometric assay for E. coli based on cleavage of peptide by outer-membrane protease T. *Electrochimica Acta*, **2021**, 384, 138408	6.7	2
71	Light-driven ion extraction of polymeric membranes for on-demand Cu(II) sensing. *Analytica Chimica Acta*, **2021**, 1176, 338756	6.6	0
70	Translating potentiometric detection into non-enzymatic amperometric measurement of HO. *Talanta*, **2021**, 232, 122489	6.2	4
69	Photoelectric current as a highly sensitive readout for potentiometric sensors. *Chemical Communications*, **2020**, 56, 3879-3882	5.8	9
68	Stimulus-Responsive Imprinted Polymer-Based Potentiometric Sensor for Reversible Detection of Neutral Phenols. *Analytical Chemistry*, **2020**, 92, 4284-4291	7.8	14
67	Real-time monitoring of the dissolution of silver nanoparticles by using a solid-contact Ag-selective electrode. *Analytica Chimica Acta*, **2020**, 1101, 50-57	6.6	8
66	A solid-contact Ca-selective electrode based on an inorganic redox buffer of Ag@AgCl/1-tetradecyl-3-methylimidazolium chloride as ion-to-electron transducer. *Talanta*, **2020**, 209, 120570	6.2	8
65	Recent advances in potentiometric biosensors. *TrAC - Trends in Analytical Chemistry*, **2020**, 124, 115803	14.6	108
64	Thin polymeric membrane ion-selective electrodes for trace-level potentiometric detection. *Analytica Chimica Acta*, **2020**, 1139, 1-7	6.6	5

63	An integrated all-solid-state screen-printed potentiometric sensor based on a three-dimensional self-assembled graphene aerogel. *Microchemical Journal*, **2020**, 159, 105453	4.8	5
62	Alternative coulometric signal readout based on a solid-contact ion-selective electrode for detection of nitrate. *Analytica Chimica Acta*, **2020**, 1129, 136-142	6.6	12
61	Chronopotentiometric aptasensing with signal amplification based on enzyme-catalyzed surface polymerization. *Chemical Communications*, **2020**, 56, 13355-13358	5.8	1
60	Molecularly imprinted polymer-based potentiometric sensors. *TrAC - Trends in Analytical Chemistry*, **2020**, 130, 115980	14.6	31
59	Self-Sterilizing Polymeric Membrane Sensors Based on 6-Chloroindole Release for Prevention of Marine Biofouling. *Analytical Chemistry*, **2020**, 92, 12132-12136	7.8	7
58	Potentiometric detection of glucose based on oligomerization with a diboronic acid using polycation as an indicator. *Analytical Methods*, **2020**, 12, 4422-4428	3.2	1
57	Improving the Environmental Compatibility of Marine Sensors by Surface Functionalization with Graphene Oxide. *Analytical Chemistry*, **2019**, 91, 13268-13274	7.8	12
56	Fine-scale in-situ measurement of lead ions in coastal sediment pore water based on an all-solid-state potentiometric microsensor. *Analytica Chimica Acta*, **2019**, 1073, 39-44	6.6	7
55	A freestanding all-solid-state polymeric membrane Cu-selective electrode based on three-dimensional graphene sponge. *Analytica Chimica Acta*, **2019**, 1068, 11-17	6.6	6
54	An Integrated Screen-Printed Potentiometric Strip for Determination of Ca2+ in Seawater. *Journal of the Electrochemical Society*, **2019**, 166, B589-B593	3.9	15
53	Improving the Biocompatibility of Polymeric Membrane Potentiometric Ion Sensors by Using a Mussel-Inspired Polydopamine Coating. *Analytical Chemistry*, **2019**, 91, 6424-6429	7.8	20
52	Dual-Analyte Chronopotentiometric Aptasensing Platform Based on a G-Quadruplex/Hemin DNAzyme and Logic Gate Operations. *Analytical Chemistry*, **2019**, 91, 3170-3176	7.8	23
51	An all-solid-state potentiometric microelectrode for detection of copper in coastal sediment pore water. *Sensors and Actuators B: Chemical*, **2019**, 279, 369-373	8.5	18
50	Sequential and Selective Detection of Two Molecules with a Single Solid-Contact Chronopotentiometric Ion-Selective Electrode. *Analytical Chemistry*, **2018**, 90, 1734-1739	7.8	16
49	Current pulse based ion-selective electrodes for chronopotentiometric determination of calcium in seawater. *Analytica Chimica Acta*, **2018**, 1031, 67-74	6.6	6
48	Soluble Molecularly Imprinted Nanorods for Homogeneous Molecular Recognition. *Frontiers in Chemistry*, **2018**, 6, 81	5	2
47	Soluble Molecularly Imprinted Polymer-Based Potentiometric Sensor for Determination of Bisphenol AF. *Analytical Chemistry*, **2018**, 90, 657-662	7.8	35
46	Potentiometric aptasensing of small molecules based on surface charge change. *Sensors and Actuators B: Chemical*, **2018**, 259, 463-466	8.5	17

45	Potentiometric Detection of Listeria monocytogenes via a Short Antimicrobial Peptide Pair-Based Sandwich Assay. *Analytical Chemistry*, **2018**, 90, 13600-13606	7.8	23
44	Optical Ion Sensing Platform Based on Potential-Modulated Release of Enzyme. *Analytical Chemistry*, **2017**, 89, 3235-3239	7.8	6
43	Mussel-Inspired Surface-Imprinted Sensors for Potentiometric Label-Free Detection of Biological Species. *Angewandte Chemie - International Edition*, **2017**, 56, 6833-6837	16.4	49
42	A solid-contact potassium-selective electrode with MoO microspheres as ion-to-electron transducer. *Analytica Chimica Acta*, **2017**, 982, 72-77	6.6	28
41	A magnetic field-directed self-assembly solid contact for construction of an all-solid-state polymeric membrane Ca-selective electrode. *Analytica Chimica Acta*, **2017**, 989, 15-20	6.6	5
40	An effective solid contact for an all-solid-state polymeric membrane Cd2+-selective electrode: Three-dimensional porous graphene-mesoporous platinum nanoparticle composite. *Sensors and Actuators B: Chemical*, **2017**, 239, 438-446	8.5	24
39	Paper-based microfluidic sampling and separation of analytes for potentiometric ion sensing. *Sensors and Actuators B: Chemical*, **2017**, 243, 346-352	8.5	29
38	A Three-Dimensional Origami Paper-Based Device for Potentiometric Biosensing. *Angewandte Chemie - International Edition*, **2016**, 55, 13033-13037	16.4	111
37	Synthesis of MoS 2 nanoparticles using MoO 3 nanobelts as precursor via a PVP-assisted hydrothermal method. *Materials Letters*, **2016**, 182, 347-350	3.3	22
36	Solid-contact K+-selective electrode based on three-dimensional molybdenum sulfide nanoflowers as ion-to-electron transducer. *Sensors and Actuators B: Chemical*, **2016**, 234, 80-83	8.5	31
35	Pulsed galvanostatic control of a solid-contact ion-selective electrode for potentiometric biosensing of microcystin-LR. *Sensors and Actuators B: Chemical*, **2016**, 230, 785-790	8.5	11
34	An all-solid-state imprinted polymer-based potentiometric sensor for determination of bisphenol S. *RSC Advances*, **2016**, 6, 73308-73312	3.7	14
33	A chronopotentiometric flow injection system for aptasensing of E. coli O157. *Analytical Methods*, **2015**, 7, 825-829	3.2	7
32	A simple approach for fabricating solid-contact ion-selective electrodes using nanomaterials as transducers. *Analytica Chimica Acta*, **2015**, 853, 291-296	6.6	39
31	Highly sensitive potentiometric sensor for detection of mercury in Cl□rich samples. *Sensors and Actuators B: Chemical*, **2015**, 208, 267-272	8.5	12
30	Potentiometric detection of chemical vapors using molecularly imprinted polymers as receptors. *Scientific Reports*, **2015**, 5, 12462	4.9	14
29	DNA Nanostructure-Based Magnetic Beads for Potentiometric Aptasensing. *Analytical Chemistry*, **2015**, 87, 6465-9	7.8	47
28	An all-solid-state polymeric membrane Pb□+-selective electrode with bimodal pore C□as solid contact. *Analytica Chimica Acta*, **2015**, 876, 49-54	6.6	35

27	A polymeric liquid membrane electrode responsive to 3,3$5,5Stetramethylbenzidine oxidation for sensitive peroxidase/peroxidase mimetic-based potentiometric biosensing. *Analytical Chemistry*, **2014**, 86, 4416-22	7.8	27
26	Assembly of carbon nanotubes on a nanoporous gold electrode for acetylcholinesterase biosensor design. *Sensors and Actuators B: Chemical*, **2014**, 199, 284-290	8.5	47
25	All-solid-state polymeric membrane ion-selective miniaturized electrodes based on a nanoporous gold film as solid contact. *Analytical Chemistry*, **2014**, 86, 11038-44	7.8	49
24	Potentiometric aptasensing of Listeria monocytogenes using protamine as an indicator. *Analytical Chemistry*, **2014**, 86, 9412-6	7.8	49
23	Potentiometric sensor for determination of neutral bisphenol A using a molecularly imprinted polymer as a receptor. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 4931-6	4.4	34
22	Applications of nanomaterials in potentiometric sensors. *TrAC - Trends in Analytical Chemistry*, **2013**, 51, 79-86	14.6	110
21	Tetra(p-tolyl)borate-functionalized solvent polymeric membrane: a facile and sensitive sensing platform for peroxidase and peroxidase mimetics. *Chemistry - A European Journal*, **2013**, 19, 9979-86	4.8	10
20	Molecularly imprinted nanoparticles based potentiometric sensor with a nanomolar detection limit. *Sensors and Actuators B: Chemical*, **2013**, 188, 972-977	8.5	29
19	Pulsed galvanostatic control of a polymeric membrane ion-selective electrode for potentiometric immunoassays. *ACS Applied Materials & Interfaces*, **2013**, 5, 9488-93	9.5	23
18	Potentiometric sensing of nuclease activities and oxidative damage of single-stranded DNA using a polycation-sensitive membrane electrode. *Biosensors and Bioelectronics*, **2013**, 47, 559-65	11.8	24
17	Polymeric membrane neutral phenol-sensitive electrodes for potentiometric G-quadruplex/hemin DNAzyme-based biosensing. *Analytical Chemistry*, **2013**, 85, 1945-50	7.8	25
16	A potentiometric flow biosensor based on ammonia-oxidizing bacteria for the detection of toxicity in water. *Sensors*, **2013**, 13, 6936-45	3.8	15
15	Single-Piece Solid-Contact Polymeric Membrane Ion-Selective Electrodes for Silver Ion. *Journal of the Electrochemical Society*, **2013**, 160, B91-B94	3.9	9
14	A solid-contact Pb2+-selective polymeric membrane electrode with Nafion-doped poly(pyrrole) as ion-to-electron transducer. *Journal of Solid State Electrochemistry*, **2012**, 16, 499-504	2.6	27
13	Potentiometric Sensor Based on Molecularly Imprinted Polymers for Rapid Determination of Clenbuterol in Pig Urine. *Chinese Journal of Analytical Chemistry*, **2012**, 40, 354-358	1.6	16
12	Polycation-sensitive membrane electrode for determination of heparin based on controlled release of protamine. *Analyst, The*, **2012**, 137, 1944-9	5	12
11	Trace-level potentiometric detection in the presence of a high electrolyte background. *Analytical Chemistry*, **2012**, 84, 10509-13	7.8	21
10	Reactive intermediates-induced potential responses of a polymeric membrane electrode for ultrasensitive potentiometric biosensing. *Chemical Communications*, **2012**, 48, 4073-5	5.8	12

9	Label-free and substrate-free potentiometric aptasensing using polycation-sensitive membrane electrodes. *Analytical Chemistry*, **2012**, 84, 2055-61	7.8	37
8	A solid-contact Pb(2+)-selective electrode using poly(2-methoxy-5-(2Sethylhexyloxy)-p-phenylene vinylene) as ion-to-electron transducer. *Analytica Chimica Acta*, **2011**, 702, 195-8	6.6	23
7	An All-solid-state Cd2+-selective electrode with a low detection limit. *Sensors and Actuators B: Chemical*, **2011**, 155, 919-922	8.5	24
6	Synthesis and characterization of monoazathiacrown ethers as ionophores for polymeric membrane silver-selective electrodes. *Talanta*, **2010**, 81, 1056-62	6.2	13
5	Potentiometric sensing of neutral species based on a uniform-sized molecularly imprinted polymer as a receptor. *Angewandte Chemie - International Edition*, **2010**, 49, 2556-9	16.4	97
4	Potentiometric detection of polyions based on functionalized magnetic nanoparticles. *Chinese Chemical Letters*, **2010**, 21, 1378-1381	8.1	11
3	Potentiometric sensor based on molecularly imprinted polymer for determination of melamine in milk. *Sensors and Actuators B: Chemical*, **2009**, 141, 544-550	8.5	153
2	Current-driven ion fluxes of polymeric membrane ion-selective electrode for potentiometric biosensing. *Journal of the American Chemical Society*, **2009**, 131, 14640-1	16.4	56
1	Improved detection limits and unbiased selectivity coefficients obtained by using ion-exchange resins in the inner reference solution of ion-selective polymeric membrane electrodes. *Analytical Chemistry*, **2000**, 72, 3236-40	7.8	96