## Shigeru Amemiya

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Potentiometric Selectivity Coefficients of Ion-Selective Electrodes. Part I. Inorganic Cations (Technical Report). Pure and Applied Chemistry, 2000, 72, 1851-2082.	0.9	923
2	Scanning Electrochemical Microscopy. Annual Review of Analytical Chemistry, 2008, 1, 95-131.	2.8	381
3	A Chloride Ion-Selective Solvent Polymeric Membrane Electrode Based on a Hydrogen Bond Forming Ionophore. Analytical Chemistry, 1997, 69, 1038-1044.	3.2	160
4	Biological applications of scanning electrochemical microscopy: chemical imaging of single living cells and beyond. Analytical and Bioanalytical Chemistry, 2006, 386, 458-471.	1.9	123
5	High Lipophilicity of Perfluoroalkyl Carboxylate and Sulfonate: Implications for Their Membrane Permeability. Journal of the American Chemical Society, 2009, 131, 2290-2296.	6.6	122
6	Voltammetric Heparin-Selective Electrode Based on Thin Liquid Membrane with Conducting Polymer-Modified Solid Support. Analytical Chemistry, 2006, 78, 6893-6902.	3.2	121
7	Stripping Analysis of Nanomolar Perchlorate in Drinking Water with a Voltammetric Ion-Selective Electrode Based on Thin-Layer Liquid Membrane. Analytical Chemistry, 2008, 80, 6056-6065.	3.2	115
8	Origins of Nanoscale Damage to Glass-Sealed Platinum Electrodes with Submicrometer and Nanometer Size. Analytical Chemistry, 2013, 85, 6198-6202.	3.2	104
9	Studies of charge transfer at liquid  liquid interfaces and bilayer lipid membranes by scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2000, 483, 7-17.	1.9	100
10	Scanning Electrochemical Microscopy. 40. Voltammetric Ion-Selective Micropipet Electrodes for Probing Ion Transfer at Bilayer Lipid Membranes. Analytical Chemistry, 2000, 72, 4940-4948.	3.2	99
11	Origin of Non-Nernstian Anion Response Slopes of Metalloporphyrin-Based Liquid/Polymer Membrane Electrodes. Analytical Chemistry, 2000, 72, 5766-5773.	3.2	98
12	Voltammetry of the Phase Transfer of Polypeptide Protamines across Polarized Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2003, 125, 11832-11833.	6.6	98
13	Water Protects Graphitic Surface from Airborne Hydrocarbon Contamination. ACS Nano, 2016, 10, 349-359.	7.3	97
14	Cyclic Voltammetry at Micropipet Electrodes for the Study of Ion-Transfer Kinetics at Liquid/Liquid Interfaces. Analytical Chemistry, 2007, 79, 9276-9285.	3.2	87
15	Permeability of the Nuclear Envelope at Isolated Xenopus Oocyte Nuclei Studied by Scanning Electrochemical Microscopy. Analytical Chemistry, 2005, 77, 2147-2156.	3.2	85
16	Quantitative Imaging of Ion Transport through Single Nanopores by High-Resolution Scanning Electrochemical Microscopy. Journal of the American Chemical Society, 2012, 134, 9856-9859.	6.6	83
17	Scanning Electrochemical Microscopy. 41. Theory and Characterization of Ring Electrodes. Analytical Chemistry, 2001, 73, 2261-2267.	3.2	80
18	Organic Contamination of Highly Oriented Pyrolytic Graphite As Studied by Scanning Electrochemical Microscopy. Analytical Chemistry, 2015, 87, 4836-4843.	3.2	78

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#	Article	IF	CITATIONS
19	Kinetic Study of Rapid Transfer of Tetraethylammonium at the 1,2-Dichloroethane/Water Interface by Nanopipet Voltammetry of Common Ions. Analytical Chemistry, 2010, 82, 77-83.	3.2	77
20	Nanoscale Mechanism of Molecular Transport through the Nuclear Pore Complex As Studied by Scanning Electrochemical Microscopy. Journal of the American Chemical Society, 2013, 135, 2321-2329.	6.6	76
21	Quasi-Steady-State Voltammetry of Rapid Electron Transfer Reactions at the Macroscopic Substrate of the Scanning Electrochemical Microscope. Analytical Chemistry, 2011, 83, 828-835.	3.2	74
22	Stabilizing Nanometer Scale Tip-to-Substrate Gaps in Scanning Electrochemical Microscopy Using an Isothermal Chamber for Thermal Drift Suppression. Analytical Chemistry, 2012, 84, 3489-3492.	3.2	74
23	Co-Ion Interference for Ion-Selective Electrodes Based on Charged and Neutral Ionophores:  A Comparison. Analytical Chemistry, 1998, 70, 4291-4303.	3.2	72
24	Voltammetric Detection of Heparin at Polarized Blood Plasma/1,2-Dichloroethane Interfaces. Analytical Chemistry, 2005, 77, 5711-5719.	3.2	72
25	Facilitated Protamine Transfer at Polarized Water/1,2-Dichloroethane Interfaces Studied by Cyclic Voltammetry and Chronoamperometry at Micropipet Electrodes. Analytical Chemistry, 2004, 76, 6877-6886.	3.2	71
26	Scanning Electrochemical Microscopy. 38. Application of SECM to the Study of Charge Transfer through Bilayer Lipid Membranes. Analytical Chemistry, 1999, 71, 4300-4305.	3.2	68
27	Ion-Selective Permeability of an Ultrathin Nanoporous Silicon Membrane as Probed by Scanning Electrochemical Microscopy Using Micropipet-Supported ITIES Tips. Analytical Chemistry, 2010, 82, 7127-7134.	3.2	68
28	A Phase Boundary Potential Model for Apparently "Twice-Nernstian―Responses of Liquid Membrane Ion-Selective Electrodes. Analytical Chemistry, 1998, 70, 445-454.	3.2	67
29	Chemical Sensing with Chemically Modified Electrodes that Mimic Gating at Biomembranes Incorporating Ion-Channel Receptors. Electroanalysis, 1998, 10, 1149-1158.	1.5	63
30	Probing Heterogeneous Electron Transfer at an Unbiased Conductor by Scanning Electrochemical Microscopy in the Feedback Mode. Analytical Chemistry, 2007, 79, 2735-2744.	3.2	63
31	Subnanomolar Ion Detection by Stripping Voltammetry with Solid-Supported Thin Polymeric Membrane. Analytical Chemistry, 2009, 81, 7262-7270.	3.2	57
32	Electrochemical Mechanism of Ion–Ionophore Recognition at Plasticized Polymer Membrane/Water Interfaces. Journal of the American Chemical Society, 2011, 133, 16300-16308.	6.6	57
33	Nanopipet Voltammetry of Common Ions across the Liquidâ^'Liquid Interface. Theory and Limitations in Kinetic Analysis of Nanoelectrode Voltammograms. Analytical Chemistry, 2010, 82, 84-90.	3.2	55
34	Scanning Electrochemical Microscopy of Individual Single-Walled Carbon Nanotubes. Analytical Chemistry, 2010, 82, 1605-1607.	3.2	55
35	Electrochemical heparin sensing at liquid/liquid interfaces and polymeric membranes. Analytical and Bioanalytical Chemistry, 2011, 399, 571-579.	1.9	55
36	Stripping Voltammetry of Nanomolar Potassium and Ammonium Ions Using a Valinomycin-Doped Double-Polymer Electrode. Analytical Chemistry, 2012, 84, 7979-7986.	3.2	54

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37AStructured "Permeability Relationship of Ultrathin Nanoporous Silicon Membranesk" Accomparison6.05238Electronchemical sensing and imaging based on ion transfer at liquid/liquid interfaces. Electronchimica2.65239Ultrafast Electron Transfer Kinetics of Caphene Grown by Chemical Vapor Deposition. Angrewandles7.34940Focused-Ion-Beam-Milled Carbon Nanoelectrodes for Scanning Electronchemical Microscopy. Journal1.34541In Secure Deposition. Angrewandles5.24242In Secure Deposition. Angrewandles5.24243In Secure Deposition. Angrewandles5.24244In Secure Deposition. Angrewandles5.24245In Secure Deposition. Angrewandles5.24246Ion-Transfer Voltammetry of Perfluorollanesufforates and Perfluorollanescarboxylates: Promobility of the Nuclear Proc. Complex and Instinduced Maccomplexities. Permetrion as Studied5.24046Electrochemical and Fluorophylity. Analytical Chemistry. 2014, 86, 2009 2098.5.24047Origin of Asymmetry of Perfluorollanescifonates and Defluorollanescifonates. Journal6.63.848Electrochemical Recognition of Synthetic Hegant Minet at Uguid/Uquid Microinterfaces. Journal6.63.849Origin of Asymmetry of Paired Nanogap Voltammetric Cacapp 2.4 chup-Selective Electrode3.23040Origin of Asymmetry of Paired Nanogap Voltammetric Cacapp 2.4 chup-Selective Electrode3.23241Chemesan Chemical Society. 2008, 13.0, 7486 7442.3.2<	#	Article	IF	CITATIONS
98Rectrochemical sensing and imaging based on ion transfer at liquidiliquid interfaces. Electrochimica2.65290Ultraffect Electron Tansfer Kinetics of Craphene Crown by Chemical Vapor Deposition. Argewandte7.24990of the Electrochemical Cathon, Solo, S4, 15134 1532, 201.31691of the Electrochemical Cathon, Nanoelectrodes for Scanning Electrochemical Microscopy. Journal1.31691Non-Sketchee Electrochemical Microscopy. Journal1.21292Non-Sketchee Electrochemical Microscopy. Journal1.31693Non-Sketchee Electrochemical Microscopy. Journal1.31694Non-Sketchee Electrochemical Science, 2001, 16, 31302-H19307.3.21294Non-Sketchee Electrochemical Cathon, 2007, 53, 31230-3133.3.24194Non-Transfer Voltammetry of Perfluoroalkanesulfonates and Perfluoroalkanecarboxylates: Permenshiltpart of the Nuclear Pore Complex and Includeed Macromolecular Permenshilts 46, 2090-2008.1.24094Transfere Charges at LinguidLiquid Interfaces. Analytical Chemistry, 2014, 86, 1230-11237.3.24094Transfere Charges at LinguidLiquid Interfaces. Analytical Chemistry, 2014, 86, 5970-578.3.23694Electrochemical Beergenition of Synthetic Hepsrin Miretic at LinguidLiquid Microinterfaces. Journal6.63894Submanomolar Detection Linit of Stripping Voltammetric Cassup;24-(sup:>Selective Electrode: Electrochemical Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 5973-578.3.23294Submanomolar Detection	37	A Structureâ^'Permeability Relationship of Ultrathin Nanoporous Silicon Membrane:  A Comparison with the Nuclear Envelope. Journal of the American Chemical Society, 2008, 130, 4230-4231.	6.6	52
39Ultrafiat Electron Transfer Kinetics of Graphene Grown by Chemical Vapor Deposition. Angewandte7.24940Focused-on-Beam Milled Carbon Nanoelectrodes for Scarning Electrochemical Microscopy. Journal1.34541A Generalized Model for Apparently ScoNon Nanoelectrodes for Scarning Electrochemical Microscopy. Journal1.34542A Generalized Model for Apparently ScoNon Nanoelectrodes for Scarning Electrochemical Scondary3.24243Ion-Transfer Voltammetry of Perfluoroalianes and Perfluoralianeezhooylates: Perfluora Deposition. Analytical Chemistry. 2001, 75, 3529-3339.3.24144Chronoamperometry at Micropipet Electrodes for Determination of Diffusion Coefficients and Perfluorasianeezhooylates: Perfluorasianeezhooylates: Analytical Chemistry. 2014, 86, 1230 11237.3.24045Electrochemical Recognition of Symptone With Primary and Scondary3.23.23.246Electrochemical Recognition of Symptone Microscopy. Analytical Chemistry. 2014, 86, 2090.2098.3.23.247Chronoamperometry at Micropipet Electrodes for Determination of Diffusion Coefficients and Primariserred Charges at Uquid/Liquid Interfaces. Analytical Chemistry. 2014, 86, 7939-7946.3.23648Electrochemical Recognition of Symptone Microscopy for Electrochemical Characterization of One Dimensional Nanostructure. Analytical Chemistry. 2014, 86, 7939-7946.3.23249Origin of Asymmetry of Paleid Nanoega Voltammetric Casup.24×(sup-Selective Electrode.3.2323249Origin of Asymmetry of Paleid Nanoega Voltammetric Casup.24×(sup-Selective Electrode.3.	38	Electrochemical sensing and imaging based on ion transfer at liquid/liquid interfaces. Electrochimica Acta, 2013, 110, 836-845.	2.6	52
40Focused-Ion-Beam-Milled Carbon Nanoelectrodes for Scanning Electrochemical Microscopy. Journal1.34541Ion-Sective Electrochemical Society, 2016, 163, H3032/H3037.424241Ion-Sective Electrochemical Society, 2016, 163, H3032/H3037.3.24242Ion-Tranfer Vidtammetry of Parfluoroalkanesulfonates and Perfluoroalkanecarboxylates: to na Analytical Chemistry, 2003, 75, 3329-3339.3.24143Ion-Tranfer Vidtammetry of Parfluoroalkanesulfonates and Perfluoroalkanecarboxylates: by Scanning Electrochemical and High Upophilicity. Analytical Chemistry, 2014, 86, 11230-11237.3.24144Chronoamperometry at Micropipe Electrodes for Determination of Diffusion Coefficients and tranfere Changes at Uquid/Uquid Microscopy. Analytical Chemistry, 2004, 76, 5570-5578.3.24045Electrochemical Recognition of Synthetic Hopanin Minutice at Liquid/Liquid Microinterfaces. Journal6.63846Subhanomolar Detection Umit of Stripping Voltammetric Carsup:2+c/sup:-Selective Electrode: freets of Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 7939-7946.3.23.247Origin of Asymmetry of Parled Nanogap Voltammetric Carsup:2+c/sup:-Selective Electrode: substrate. Analytical Chemistry, 2006, 78, 1946-1957.3.23.248by Denemisional Annostructure: Affluoroal Microscopy for Electrochemical Characterization of Substrate. Analytical Chemistry, 2006, 78, 1946-1957.3.23.249Voltammetry of Parled Nanogap Voltammetric Microscopy for Electrochemical Characterization of the Analyteal Chemistry, 2006, 78, 1946-1957.3.23.241by	39	Ultrafast Electron Transfer Kinetics of Graphene Grown by Chemical Vapor Deposition. Angewandte Chemie - International Edition, 2015, 54, 15134-15137.	7.2	49
41A Generalized Model for Apparently & CorNon-Nernstlan&-Equilibrium Responses of lonophore Based Ion-Selective Electrodes. 1. Independent Complexation of the lonophore with Phinary and Secondary5.24242Ion-Transfer Voltammetry of Perfluoroalkanesulfonates and Perfluoroalkanecarboxylates: Procondar Detection Limit and High Lipophilicity. Analytical Chemistry, 2004, 86, 11230-11237.8.24143Ion Permeability of the Nuclear Pore Complex and Ion-induced Macromolecular Permeation as Studied by Scanning Electrochemical and Fluorescence Microscopy. Analytical Chemistry, 2004, 86, 2090-2098.8.24144Chronoamperometry at Micropipet Electrodes for Determination of Diffusion Coefficients and 	40	Focused-Ion-Beam-Milled Carbon Nanoelectrodes for Scanning Electrochemical Microscopy. Journal of the Electrochemical Society, 2016, 163, H3032-H3037.	1.3	45
42Ion-Transfer Voltammetry of Perfluoroalianesulfonates and Perfluoroalianecarboxylates: Picomolar Detection Limit and High Lipophilicity. Analytical Chemistry, 2014, 86, 11230-11237.3.24143Ion Permeability of the Nuclear Pore Complex and Ion-Induced Macromolecular Permeation as Studied by Scanning Electrochemical and Fluorescence Microscopy. Analytical Chemistry, 2014, 86, 2090-2098.3.24144Chronoamperometry at Micropipet Electrodes for Determination of Diffusion Coefficients and Transferred Charges at Liquid/Liquid Interfaces. Analytical Chemistry, 2004, 76, 5570-5578.3.24045Electrochemical Recognition of Synthetic Heparin Mimetic at Liquid/Liquid Microinterfaces. Journal of the American Chemical Society, 2008, 130, 7436-7442.6.63846Subnanomolar Detection Limit of Stripping Voltammetric Casup>2+c/sup>-Selective Electrode: Effects of Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 7939-7946.3.23647Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Microscopy: Contamination Not Adsorption. Analytical Chemistry, 2016, 88, 8323-8331.3.23248Local Feedback Mode of Scanning Electrochemical Microscopy of Electrochemical Characterization of One-Dimensional Nanostructure A Theory and Esperiment with Nanoband Electrode as Model substrate. Analytical Chemistry, 2006, 78, 1946-1957.3.23249Voltammetric Mechanism of Multilon Detection with Thin Ionophore-Based Polymetric Membrane. Analytical Chemistry, 2006, 78, 1946-1957.3.23041Substrate. Analytical Chemistry, 2006, 78, 1946-1957.3.23042Substrate. Analytical	41	A Generalized Model for Apparently "Non-Nernstian―Equilibrium Responses of Ionophore-Based Ion-Selective Electrodes. 1. Independent Complexation of the Ionophore with Primary and Secondary Ions. Analytical Chemistry, 2003, 75, 3329-3339.	3.2	42
43Ion Permeability of the Nuclear Pore Complex and Ion-Induced Macromolecular Permeation as Studied by Scanning Electrochemical and Fluorescence Microscopy, Analytical Chemistry, 2014, 86, 2090-2098.3.24144Chronoamperometry at Micropipet Electrodes for Determination of Diffusion Coefficients and fransferred Charges at Liquid/Liquid Interfaces. Analytical Chemistry, 2004, 76, 5570-5578.3.24045Electrochemical Recognition of Synthetic Heparin Minetic at Liquid/Liquid Microinterfaces. Journal of the American Chemical Society, 2008, 130, 7436-7442.6.63846Subnanomolar Detection Limit of Stripping Voltammetric Ca <sup>2+</sup> -Selective Electrode: Effects of Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 7939-7946.3.23647Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Substrate. Analytical Chemistry, 2016, 88, 8823-8331.3.23248bocal Feedback Mode of Scanning Electrochemical Microscopy for Electrochemical Characterization of One-Dimensional NanostructureA Theory and Experiment with Nanoband Electrode as Model 	42	Ion-Transfer Voltammetry of Perfluoroalkanesulfonates and Perfluoroalkanecarboxylates: Picomolar Detection Limit and High Lipophilicity. Analytical Chemistry, 2014, 86, 11230-11237.	3.2	41
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45Electrochemical Recognition of Synthetic Heparin Mimetic at Liquid/Liquid Microinterfaces. Journal6.63846Subnanomolar Detection Limit of Stripping Voltammetric Ca <sup>2+ </sup> -Selective Electrode: Effects of Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 7939-7946.3.23647Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Microscopy: Contamination Not Adsorption. Analytical Chemistry, 2016, 88, 8323-8331.3.23348Local Feedback Mode of Scanning Electrochemical Microscopy for Electrochemical Characterization of One-Dimensional Nanostructure? Theory and Experiment with Nanoband Electrode as Model Substrate. Analytical Chemistry, 2016, 88, 5827-5834.3.23249Voltammetric Mechanism of Multion Detection with Thin Ionophore-Based Polymeric Membrane. Analytical Chemistry, 2016, 88, 5827-5834.3.23050Fabrication and characterization of conical microelectrode probes templated by selectively etched of 15-620.3.23051Ceneralized Theory for Nanoscale Voltammetric Measurements of Heterogeneous Electron-Transfer Kinetics at Macroscopic Substrates by Scanning Electrochemical Microscopy. Analytical Chemistry, 2016, 49, 2007-2014.3.23052Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical 1,2-0hchoroethane,Water Interfaces, Langmuir, 2009, 25, 13653-13660.1.628	44	Chronoamperometry at Micropipet Electrodes for Determination of Diffusion Coefficients and Transferred Charges at Liquid/Liquid Interfaces. Analytical Chemistry, 2004, 76, 5570-5578.	3.2	40
46Subnanomolar Detection Limit of Stripping Voltammetric Ca <sup>2+</sup> .Selective Electrode: Effects of Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 7939-7946.3.23647Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Microscopy: Contamination Not Adsorption. Analytical Chemistry, 2016, 88, 8323-8331.3.23348Local Feedback Mode of Scanning Electrochemical Microscopy for Electrochemical Characterization of One-Dimensional Nanostructure. A Theory and Experiment with Nanoband Electrode as Model Substrate. Analytical Chemistry, 2006, 78, 1946-1957.3.23249Voltammetric Mechanism of Multion Detection with Thin Ionophore-Based Polymeric Membrane. Analytical Chemistry, 2016, 88, 5827-5834.3.23250Fabrication and characterization of conical microelectrode probes templated by selectively etched optical fibers for scanning electrochemical Microscopy. Electrochemistry Communications, 2004, 6, 615-620.3.33051Generalized Theory for Nanoscale Voltammetric Measurements of Heterogeneous Electron-Transfer X011, 83, 5928-5935.3.23052Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical Research, 2016, 49, 2007-2014.7.62953Voltammetric Extraction of Heparin and Low-Molecular-Weight Heparin across 1,2-Dichloroethane/Water Interfaces. Langmuir, 2009, 25, 13653-13660.1.628	45	Electrochemical Recognition of Synthetic Heparin Mimetic at Liquid/Liquid Microinterfaces. Journal of the American Chemical Society, 2008, 130, 7436-7442.	6.6	38
17Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Microscopy: Contamination Not Adsorption. Analytical Chemistry, 2016, 88, 8323-8331.3.233148Local Feedback Mode of Scanning Electrochemical Microscopy for Electrochemical Characterization of One-Dimensional Nanostructure. A Theory and Experiment with Nanoband Electrode as Model Substrate. Analytical Chemistry, 2006, 78, 1946-1957.3.232149Voltammetric Mechanism of Multion Detection with Thin Ionophore-Based Polymeric Membrane. Analytical Chemistry, 2016, 88, 5827-5834.3.23250Fabrication and characterization of conical microelectrode probes templated by selectively etched optical fibers for scanning electrochemical microscopy. Electrochemistry Communications, 2004, 6, 615-620.2.33051Generalized Theory for Nanoscale Voltammetric Measurements of Heterogeneous Electron-Transfer Kinetics at Macroscopic Substrates by Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 5928-5935.3052Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical Research, 2016, 49, 2007-2014.7.62953Voltammetric Extraction of Heparin and Low-Molecular-Weight Heparin across 1,2-Dicheloroethane/Water Interfaces. Langmuir, 2009, 25, 13653-13660.1.628	46	Subnanomolar Detection Limit of Stripping Voltammetric Ca <sup>2+</sup> -Selective Electrode: Effects of Analyte Charge and Sample Contamination. Analytical Chemistry, 2014, 86, 7939-7946.	3.2	36
48bocal Feedback Mode of Scanning Electrochemical Microscopy for Electrochemical Characterization of One-Dimensional Nanostructure: A Theory and Experiment with Nanoband Electrode as Model3.23249Voltammetric Mechanism of Multion Detection with Thin Ionophore-Based Polymeric Membrane. Analytical Chemistry, 2016, 88, 5827-5834.3.23250Fabrication and characterization of conical microelectrode probes templated by selectively etched optical fibers for scanning electrochemical microscopy. Electrochemistry Communications, 2004, 6, 	47	Origin of Asymmetry of Paired Nanogap Voltammograms Based on Scanning Electrochemical Microscopy: Contamination Not Adsorption. Analytical Chemistry, 2016, 88, 8323-8331.	3.2	33
49Voltammetric Mechanism of Multion Detection with Thin Ionophore-Based Polymeric Membrane.3.23250Fabrication and characterization of conical microelectrode probes templated by selectively etched optical fibers for scanning electrochemical microscopy. Electrochemistry Communications, 2004, 6, 615-620.2.33051Generalized Theory for Nanoscale Voltammetric Measurements of Heterogeneous Electron-Transfer X011, 83, 5928-5935.3.23052Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical 	48	Local Feedback Mode of Scanning Electrochemical Microscopy for Electrochemical Characterization of One-Dimensional Nanostructure:Â Theory and Experiment with Nanoband Electrode as Model Substrate. Analytical Chemistry, 2006, 78, 1946-1957.	3.2	32
50Fabrication and characterization of conical microelectrode probes templated by selectively etched 615-620.2.33051Generalized Theory for Nanoscale Voltammetric Measurements of Heterogeneous Electron-Transfer Kinetics at Macroscopic Substrates by Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 5928-5935.3.23052Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical Research, 2016, 49, 2007-2014.7.62953Voltammetric Extraction of Heparin and Low-Molecular-Weight Heparin across 1,2-Dichloroethane/Water Interfaces. Langmuir, 2009, 25, 13653-13660.1.628	49	Voltammetric Mechanism of Multiion Detection with Thin Ionophore-Based Polymeric Membrane. Analytical Chemistry, 2016, 88, 5827-5834.	3.2	32
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52Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical Research, 2016, 49, 2007-2014.7.62953Voltammetric Extraction of Heparin and Low-Molecular-Weight Heparin across 1,2-Dichloroethane/Water Interfaces. Langmuir, 2009, 25, 13653-13660.1.628	51	Generalized Theory for Nanoscale Voltammetric Measurements of Heterogeneous Electron-Transfer Kinetics at Macroscopic Substrates by Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 5928-5935.	3.2	30
53Voltammetric Extraction of Heparin and Low-Molecular-Weight Heparin across1.628531,2-Dichloroethane/Water Interfaces. Langmuir, 2009, 25, 13653-13660.1.628	52	Scanning Electrochemical Microscopy of Carbon Nanomaterials and Graphite. Accounts of Chemical Research, 2016, 49, 2007-2014.	7.6	29
	53	Voltammetric Extraction of Heparin and Low-Molecular-Weight Heparin across 1,2-Dichloroethane/Water Interfaces. Langmuir, 2009, 25, 13653-13660.	1.6	28

54 Potentiometric Ion-Selective Electrodes. , 2007, , 261-294.

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#	Article	IF	CITATIONS
55	Characterization of Nanopipet-Supported ITIES Tips for Scanning Electrochemical Microscopy of Single Solid-State Nanopores. Analytical Chemistry, 2017, 89, 9946-9952.	3.2	24
56	In Situ Detection of the Adsorbed Fe(II) Intermediate and the Mechanism of Magnetite Electrodeposition by Scanning Electrochemical Microscopy. Journal of the American Chemical Society, 2017, 139, 15891-15899.	6.6	23
57	Ultraflat, Pristine, and Robust Carbon Electrode for Fast Electron-Transfer Kinetics. Analytical Chemistry, 2017, 89, 13532-13540.	3.2	22
58	Voltammetric Measurement of Adsorption Isotherm for Ferrocene Derivatives on Highly Oriented Pyrolytic Graphite. Analytical Chemistry, 2018, 90, 13632-13639.	3.2	21
59	Spatially Resolved Detection of a Nanometer-Scale Gap by Scanning Electrochemical Microscopy. Analytical Chemistry, 2009, 81, 4788-4791.	3.2	19
60	Double-Polymer-Modified Pencil Lead for Stripping Voltammetry of Perchlorate in Drinking Water. Journal of Chemical Education, 2012, 89, 1323-1326.	1.1	19
61	Voltammetric Characterization of Ion–Ionophore Complexation Using Thin Polymeric Membranes: Asymmetric Thin-Layer Responses. Analytical Chemistry, 2015, 87, 8564-8572.	3.2	19
62	Self-Inhibitory Electron Transfer of the Co(III)/Co(II)-Complex Redox Couple at Pristine Carbon Electrode. Analytical Chemistry, 2018, 90, 11115-11123.	3.2	19
63	Scanning electrochemical microscopy of one-dimensional nanostructure: Effects of nanostructure dimensions on the tip feedback current under unbiased conditions. Journal of Electroanalytical Chemistry, 2009, 629, 78-86.	1.9	18
64	Channel Mimetic Sensing Membranes for Nucleotides Based on Multitopic Hydrogen Bonding. Israel Journal of Chemistry, 1997, 37, 267-275.	1.0	17
65	Extraction or Adsorption? Voltammetric Assessment of Protamine Transfer at Ionophore-Based Polymeric Membranes. Analytical Chemistry, 2015, 87, 5348-5355.	3.2	16
66	Voltammetric Ion Selectivity of Thin Ionophore-Based Polymeric Membranes: Kinetic Effect of Ion Hydrophilicity. Analytical Chemistry, 2016, 88, 8893-8901.	3.2	14
67	Adsorption and Electronâ€Transfer Mechanisms of Ferrocene Carboxylates and Sulfonates at Highly Oriented Pyrolytic Graphite. ChemElectroChem, 2019, 6, 5651-5660.	1.7	14
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