Michael V Mirkin

List of Publications by Year
in descending order

159	11,275	22099	31759
papers	citations	h-index	g-index

165	165	165	5257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stabilizing the heavily-doped and metallic phase of MoS₂ monolayers with surface functionalization. 2D Materials, 2022, 9, 015033.	2.0	5
2	Decoupling Through-Tip Illumination from Scanning in Nanoscale Photo-SECM. Analytical Chemistry, 2022, 94, 7169-7173.	3.2	6
3	Metalâ€Organicâ€Frameworkâ€Based Electrochemical Nanosensor for Hydrogen Peroxide. ChemElectroChem, 2022, 9, .	1.7	4
4	Design of Ru-Ni diatomic sites for efficient alkaline hydrogen oxidation. Science Advances, 2022, 8, .	4.7	89
5	Electrochemical microscopy at the nanoscale. Frontiers of Nanoscience, 2021, 18, 129-202.	0.3	5
6	Scanning Electrochemical and Photoelectrochemical Microscopy on Finder Grids: Toward Correlative Multitechnique Imaging of Surfaces. Analytical Chemistry, 2021, 93, 5377-5382.	3.2	9
7	Mediated Charge Transfer at Nanoelectrodes: A New Approach to Electrochemical Reactivity Mapping and Nanosensing. Journal of the American Chemical Society, 2021, 143, 8547-8551.	6.6	22
8	Voltage-Driven Molecular Catalysis of Electrochemical Reactions. Journal of the American Chemical Society, 2021, 143, 17344-17347.	6.6	8
9	Probing Activities of Individual Catalytic Nanoflakes by Tunneling Mode of Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2021, 125, 25525-25532.	1.5	7
10	Thin layer cell behavior of CNT yarn and cavity carbon nanopipette electrodes: Effect on catecholamine detection. Electrochimica Acta, 2020, 361, 137032.	2.6	18
11	Nitride MXenes: Basal Plane Hydrogen Evolution Activity from Mixed Metal Nitride MXenes Measured by Scanning Electrochemical Microscopy (Adv. Funct. Mater. 47/2020). Advanced Functional Materials, 2020, 30, 2070313.	7.8	3
12	The double life of conductive nanopipette: a nanopore and an electrochemical nanosensor. Chemical Science, 2020, 11, 9056-9066.	3.7	33
13	Correlating Molecule Count and Release Kinetics with Vesicular Size Using Open Carbon Nanopipettes. Journal of the American Chemical Society, 2020, 142, 16910-16914.	6.6	39
14	Basal Plane Hydrogen Evolution Activity from Mixed Metal Nitride MXenes Measured by Scanning Electrochemical Microscopy. Advanced Functional Materials, 2020, 30, 2001136.	7.8	63
15	Nanoelectrodes for intracellular measurements of reactive oxygen and nitrogen species in single living cells. Current Opinion in Electrochemistry, 2020, 22, 44-50.	2.5	35
16	Light-Controlled Nanoparticle Collision Experiments. Journal of Physical Chemistry Letters, 2020, 11, 2972-2976.	2.1	11
17	Resistive-Pulse Sensing Inside Single Living Cells. Journal of the American Chemical Society, 2020, 142, 5778-5784.	6.6	90
18	Ostraka: Secure Blockchain Scaling by Node Sharding. , 2020, , .		28

#	Article	IF	Citations
19	Theory and Simulations for the Electron Transfer/Ion Transfer Mode of SECM with Electroactive Species Present in Both Liquid Phases. ChemElectroChem, 2019, 6, 189-194.	1.7	2
20	Ultrasensitive Detection of Dopamine with Carbon Nanopipets. Analytical Chemistry, 2019, 91, 12935-12941.	3.2	33
21	Photo-Scanning Electrochemical Microscopy on the Nanoscale with Through-Tip Illumination. Analytical Chemistry, 2019, 91, 12601-12605.	3.2	23
22	Nanoscale mapping of hydrogen evolution on metallic and semiconducting MoS₂ nanosheets. Nanoscale Horizons, 2019, 4, 619-624.	4.1	46
23	Direct high-resolution mapping of electrocatalytic activity of semi-two-dimensional catalysts with single-edge sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11618-11623.	3.3	65
24	Editorial Overview: Physical and Nanoelectrochemistry: Physical and nanoelectrochemistry with a personal touch. Current Opinion in Electrochemistry, 2019, 13, A5-A6.	2.5	0
25	Electrochemical Measurements of Reactive Oxygen and Nitrogen Species inside Single Phagolysosomes of Living Macrophages. Journal of the American Chemical Society, 2019, 141, 4564-4568.	6.6	117
26	Surface-Charge Effects on Voltammetry in Carbon Nanocavities. Analytical Chemistry, 2019, 91, 5530-5536.	3.2	20
27	Cavity Carbon-Nanopipette Electrodes for Dopamine Detection. Analytical Chemistry, 2019, 91, 4618-4624.	3.2	72
28	TEM-Assisted Fabrication of Sub-10 nm Scanning Electrochemical Microscopy Tips. Analytical Chemistry, 2019, 91, 15355-15359.	3.2	16
29	Electrochemical Resistive-Pulse Sensing. Journal of the American Chemical Society, 2019, 141, 19555-19559.	6.6	59
30	Tunneling Mode of Scanning Electrochemical Microscopy: Probing Electrochemical Processes at Single Nanoparticles. Angewandte Chemie, 2018, 130, 7585-7589.	1.6	1
31	Tunneling Mode of Scanning Electrochemical Microscopy: Probing Electrochemical Processes at Single Nanoparticles. Angewandte Chemie - International Edition, 2018, 57, 7463-7467.	7.2	28
32	Ultrasensitive Electroanalysis: Femtomolar Determination of Lead, Cobalt, and Nickel. Analytical Chemistry, 2018, 90, 1142-1146.	3.2	16
33	Processes at nanoelectrodes: general discussion. Faraday Discussions, 2018, 210, 235-265.	1.6	1
34	Dynamics of nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 451-479.	1.6	4
35	Processes at nanopores and bio-nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 145-171.	1.6	3
36	Energy conversion at nanointerfaces: general discussion. Faraday Discussions, 2018, 210, 333-351.	1.6	0

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37	Toward the Detection and Identification of Single Bacteria by Electrochemical Collision Technique. Analytical Chemistry, 2018, 90, 12123-12130.	3.2	57
38	Electrochemical Evaluation of the Number of Au Atoms in Polymeric Gold Thiolates by Single Particle Collisions. Analytical Chemistry, 2018, 90, 8285-8289.	3.2	5
39	Electrochemistry at a single nanoparticle: from bipolar regime to tunnelling. Faraday Discussions, 2018, 210, 173-188.	1.6	15
40	Catalytic Amplification of Au 144 Nanocluster Collisions by Hydrogen Evolution Reaction. ChemElectroChem, 2018, 5, 2991-2994.	1.7	5
41	Theory and Simulations for the Electronâ€Transfer/Ionâ€Transfer Mode of Scanning Electrochemical Microscopy in the Presence or Absence of Homogenous Kinetics. ChemElectroChem, 2017, 4, 240-240.	1.7	0
42	Resistive-pulse and rectification sensing with glass and carbon nanopipettes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160931.	1.0	42
43	Collisions of Ir Oxide Nanoparticles with Carbon Nanopipettes: Experiments with One Nanoparticle. Analytical Chemistry, 2017, 89, 2880-2885.	3.2	51
44	Electrochemical Size Measurement and Characterization of Electrodeposited Platinum Nanoparticles at Nanometer Resolution with Scanning Electrochemical Microscopy. Nano Letters, 2017, 17, 4354-4358.	4.5	36
45	Diffuse Layer Effect on Electron-Transfer Kinetics Measured by Scanning Electrochemical Microscopy (SECM). Journal of Physical Chemistry Letters, 2017, 8, 1338-1342.	2.1	21
46	Direct Electrochemical Measurements of Reactive Oxygen and Nitrogen Species in Nontransformed and Metastatic Human Breast Cells. Journal of the American Chemical Society, 2017, 139, 13055-13062.	6.6	162
47	Electron-Transfer Gated Ion Transport in Carbon Nanopipets. Journal of the American Chemical Society, 2017, 139, 11654-11657.	6.6	41
48	Dissolution of Pt during Oxygen Reduction Reaction Produces Pt Nanoparticles. Analytical Chemistry, 2017, 89, 12618-12621.	3.2	24
49	Theory and Simulations for the Electronâ€Transfer/Ionâ€Transfer Mode of Scanning Electrochemical Microscopy in the Presence or Absence of Homogenous Kinetics. ChemElectroChem, 2017, 4, 287-295.	1.7	5
50	Scanning Electrochemical Microscopy Study of Electron-Transfer Kinetics and Catalysis at Nanoporous Electrodes. Journal of Physical Chemistry C, 2016, 120, 20651-20658.	1.5	21
51	Toward More Reliable Measurements of Electron-Transfer Kinetics at Nanoelectrodes: Next Approximation. Analytical Chemistry, 2016, 88, 11758-11766.	3.2	33
52	Electrochemistry at One Nanoparticle. Accounts of Chemical Research, 2016, 49, 2328-2335.	7.6	111
53	Kinetics of Quantized Charging of Au 144 Nanoclusters. Electroanalysis, 2016, 28, 2288-2292.	1.5	2
54	Recessed Nanoelectrodes for Nanogap Voltammetry. ChemElectroChem, 2016, 3, 2043-2047.	1.7	11

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55	Focused-Ion-Beam-Milled Carbon Nanoelectrodes for Scanning Electrochemical Microscopy. Journal of the Electrochemical Society, 2016, 163, H3032-H3037.	1.3	45
56	Scanning Electrochemical Microscopy Study of Permeability of a Thiolated Aryl Multilayer and Imaging of Single Nanocubes Anchored to It. Langmuir, 2016, 32, 2500-2508.	1.6	44
57	Imaging Local Electric Field Distribution by Plasmonic Impedance Microscopy. Analytical Chemistry, 2016, 88, 1547-1552.	3.2	29
58	Resistive-Pulse Measurements with Nanopipettes: Detection of Vascular Endothelial Growth Factor C (VEGF-C) Using Antibody-Decorated Nanoparticles. Analytical Chemistry, 2015, 87, 6403-6410.	3.2	39
59	Scanning Electrochemical Microscopy of Single Spherical Nanoparticles: Theory and Particle Size Evaluation. Analytical Chemistry, 2015, 87, 7446-7453.	3.2	47
60	Cleaning Nanoelectrodes with Air Plasma. Analytical Chemistry, 2015, 87, 4092-4095.	3.2	28
61	Nanoelectrochemical Approach To Detecting Short-Lived Intermediates of Electrocatalytic Oxygen Reduction. Journal of the American Chemical Society, 2015, 137, 6517-6523.	6.6	59
62	Surface Patterning Using Diazonium Ink Filled Nanopipette. Analytical Chemistry, 2015, 87, 10956-10962.	3.2	17
63	Delivery of Single Nanoparticles from Nanopipettes under Resistiveâ€Pulse Control. ChemElectroChem, 2015, 2, 343-347.	1.7	31
64	Electrochemistry and Electrocatalysis at Single Gold Nanoparticles Attached to Carbon Nanoelectrodes. ChemElectroChem, 2015, 2, 58-63.	1.7	85
65	Scanning Electrochemical Microscopy of Individual Catalytic Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 14120-14123.	7.2	150
66	Nucleation and growth of mercury on Pt nanoelectrodes at different overpotentials. Chemical Science, 2014, 5, 189-194.	3.7	39
67	Open Carbon Nanopipettes as Resistive-Pulse Sensors, Rectification Sensors, and Electrochemical Nanoprobes. Analytical Chemistry, 2014, 86, 8897-8901.	3.2	57
68	Carbon Pipette-Based Electrochemical Nanosampler. Analytical Chemistry, 2014, 86, 3365-3372.	3.2	62
69	Dissolution of Pt at Moderately Negative Potentials during Oxygen Reduction in Water and Organic Media. Langmuir, 2013, 29, 1346-1350.	1.6	44
70	Platinized carbon nanoelectrodes as potentiometric and amperometric SECM probes. Journal of Solid State Electrochemistry, 2013, 17, 2971-2977.	1.2	37
71	Electron transfer/ion transfer mode of scanning electrochemical microscopy (SECM): a new tool for imaging and kinetic studies. Chemical Science, 2013, 4, 3606.	3.7	47
72	Resistive-pulse measurements with nanopipettes: detection of Au nanoparticles and nanoparticle-bound anti-peanut IgY. Chemical Science, 2013, 4, 655-663.	3.7	90

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73	Fabrication, characterization, and chemical etching of Ag nanoelectrodes. Journal of Solid State Electrochemistry, 2013, 17, 385-389.	1.2	20
74	Atomic Force Microscopy of Electrochemical Nanoelectrodes. Analytical Chemistry, 2012, 84, 5192-5197.	3.2	53
75	Nucleation and growth of metal on nanoelectrodes. Chemical Science, 2012, 3, 3307.	3.7	81
76	Nanoelectrodes for determination of reactive oxygen and nitrogen species inside murine macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11534-11539.	3.3	199
77	Polished Nanopipets: New Probes for High-Resolution Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 671-673.	3.2	39
78	Scanning electrochemical microscopy in the 21st century. Update 1: five years after. Physical Chemistry Chemical Physics, 2011, 13, 21196.	1.3	133
79	Kinetics of Chargeâ€Transfer Reactions at Nanoscopic Electrochemical Interfaces. Israel Journal of Chemistry, 2010, 50, 291-305.	1.0	40
80	Fabrication of Nanoelectrodes and Metal Clusters by Electrodeposition. ChemPhysChem, 2010, 11, 3011-3017.	1.0	27
81	Electrochemistry through glass. Nature Chemistry, 2010, 2, 498-502.	6.6	39
82	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
83	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
84	Kinetics of Ion Transfer at the Ionic Liquid/Water Nanointerface. Journal of the American Chemical Society, 2010, 132, 16945-16952.	6.6	42
85	Adsorption/Desorption of Hydrogen on Pt Nanoelectrodes: Evidence of Surface Diffusion and Spillover. Journal of the American Chemical Society, 2009, 131, 14756-14760.	6.6	170
86	Nanoscale Imaging of Surface Topography and Reactivity with the Scanning Electrochemical Microscope. Analytical Chemistry, 2009, 81, 3143-3150.	3.2	95
87	Scanning Electrochemical Microscopy with Gold Nanotips: The Effect of Electrode Material on Electron Transfer Rates. Journal of Physical Chemistry C, 2009, 113, 459-464.	1.5	122
88	Scanning Electrochemical Microscopy. Annual Review of Analytical Chemistry, 2008, 1, 95-131.	2.8	381
89	Electrochemistry of Individual Molecules in Zeptoliter Volumes. Journal of the American Chemical Society, 2008, 130, 8241-8250.	6.6	146
90	Effect of Mechanical Stress on the Kinetics of Heterogeneous Electron Transfer. Langmuir, 2008, 24, 9941-9944.	1.6	28

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91	Nanoelectrochemistry of mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 443-448.	3.3	207
92	Electrochemical attosyringe. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11895-11900.	3.3	161
93	Determination of Electrode Kinetics. , 2007, , 639-660.		8
94	Role of Trace Amounts of Water in Transfers of Hydrophilic and Hydrophobic Ions to Low-Polarity Organic Solvents. Journal of the American Chemical Society, 2007, 129, 12410-12411.	6.6	43
95	Scanning Electrochemical Microscopy with Slightly Recessed Nanotips. Analytical Chemistry, 2007, 79, 5809-5816.	3.2	66
96	Scanning electrochemical microscopy in the 21st century. Physical Chemistry Chemical Physics, 2007, 9, 802-823.	1.3	276
97	Electrochemical detection of lateral charge transport in metal complex-DNA monolayers synthesized on Si(111) electrodes. Journal of Electroanalytical Chemistry, 2007, 603, 67-80.	1.9	25
98	SECM Study of Solute Partitioning and Electron Transfer at the Ionic Liquid/Water Interface. Langmuir, 2006, 22, 10705-10710.	1.6	23
99	Kinetics of Electron-Transfer Reactions at Nanoelectrodes. Analytical Chemistry, 2006, 78, 6526-6534.	3.2	356
100	Electrochemical Studies of the Lateral Diffusion of TEMPO in the Aqueous Liquid/Vapor Interfacial Region. Journal of Physical Chemistry B, 2006, 110, 6101-6109.	1.2	9
101	Electron Transfer Kinetics at Polarized Nanoscopic Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2006, 128, 171-179.	6.6	32
102	Shuttling Mechanism of Ion Transfer at the Interface between Two Immiscible Liquids. Journal of the American Chemical Society, 2006, 128, 15019-15025.	6.6	47
103	Scanning Electrochemical Microscopy Beyond Imaging. , 2006, , 431-467.		1
104	An Electrochiroptical Molecular Switch:Â Mechanistic and Kinetic Studies. Inorganic Chemistry, 2005, 44, 7652-7660.	1.9	27
105	Ion Transfer at Nanointerfaces between Water and Neat Organic Solvents. Journal of the American Chemical Society, 2005, 127, 8596-8597.	6.6	28
106	Scanning Electrochemical Microscopy: Detection of Human Breast Cancer Cells by Redox Environment. Journal of Mammary Gland Biology and Neoplasia, 2004, 9, 375-382.	1.0	33
107	SECM Measurement of the Fast Electron Transfer Dynamics between Au381+ Nanoparticles and Aqueous Redox Species at a Liquid/Liquid Interface. Nano Letters, 2004, 4, 1763-1767.	4.5	48
108	Electron Transfer at Self-Assembled Monolayers Measured by Scanning Electrochemical Microscopy. Journal of the American Chemical Society, 2004, 126, 1485-1492.	6.6	201

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109	Comparative Study of Electron Transfer Reactions at the Ionic Liquid/Water and Organic/Water Interfaces. Journal of the American Chemical Society, 2004, 126, 15380-15381.	6.6	44
110	Probing Rapid Ion Transfer Across a Nanoscopic Liquidâ"Liquid Interface. Journal of Physical Chemistry B, 2004, 108, 17872-17878.	1.2	85
111	Scanning Electrochemical Microscopy of Living Cells. 5. Imaging of Fields of Normal and Metastatic Human Breast Cells. Analytical Chemistry, 2003, 75, 4148-4154.	3.2	79
112	[10] Probing redox activity of human breast cells by scanning electrochemical microscopy. Methods in Enzymology, 2002, 352, 112-122.	0.4	9
113	Scanning Electrochemical Microscopy of Living Cells. 4. Mechanistic Study of Charge Transfer Reactions in Human Breast Cells. Analytical Chemistry, 2002, 74, 6340-6348.	3.2	63
114	Steady-State Limiting Currents at Finite Conical Microelectrodes. Analytical Chemistry, 2002, 74, 1986-1992.	3.2	118
115	Scanning Electrochemical Microscopy of Living Cells. 3.Rhodobactersphaeroides. Analytical Chemistry, 2002, 74, 114-119.	3.2	106
116	Electron Transfer at Liquid/Liquid Interfaces. The Effects of Ionic Adsorption, Electrolyte Concentration, and Spacer Length on the Reaction Rate. Journal of Physical Chemistry B, 2002, 106, 3933-3940.	1.2	27
117	Peer Reviewed: Charge Transfer Reactions at the Liquid/Liquid Interface.. Analytical Chemistry, 2001, 73, 670 A-677 A.	3.2	30
118	Scanning electrochemical microscopy of living cells. Journal of Electroanalytical Chemistry, 2001, 500, 590-597.	1.9	94
119	Electrochemistry at Microscopic Liquid-Liquid Interfaces. Electroanalysis, 2000, 12, 1433-1446.	1.5	69
120	Electroanalytical measurements using the scanning electrochemical microscope. Analytica Chimica Acta, 2000, 406, 119-146.	2.6	183
121	Scanning electrochemical microscopy of living cells: Different redox activities of nonmetastatic and metastatic human breast cells. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9855-9860.	3.3	185
122	Dual-Pipet Techniques for Probing Ionic Reactions. Analytical Chemistry, 2000, 72, 510-519.	3.2	36
123	Electrochemistry at Microscopic Liquidâ€"Liquid Interfaces. , 2000, 12, 1433.		2
124	High resolution studies of heterogeneous processes with the scanning electrochemical microscope. Mikrochimica Acta, 1999, 130, 127-153.	2.5	58
125	Potential-Independent Electron Transfer Rate at the Liquid/Liquid Interface. Journal of the American Chemical Society, 1999, 121, 8352-8355.	6.6	84
126	Evidence for a potential-dependent reversible inactivation of urease adsorbed on a gold electrode. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1115-1118.	1.7	16

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127	Cation Binding to DNA Studied by Ion-Transfer Voltammetry at Micropipets. Analytical Chemistry, 1998, 70, 4653-4660.	3.2	53
128	Studying Ionic Reactions by a New Generation/Collection Technique. Journal of the American Chemical Society, 1998, 120, 12700-12701.	6.6	38
129	Probing Ion Transfer at the Liquid/Liquid Interface by Scanning Electrochemical Microscopy (SECM). Journal of Physical Chemistry B, 1998, 102, 9915-9921.	1.2	186
130	Voltammetry at Micropipet Electrodes. Analytical Chemistry, 1998, 70, 3155-3161.	3.2	120
131	Voltammetric and Scanning Electrochemical Microscopic Studies of the Adsorption Kinetics and Selfâ€Assembly of nâ€Alkanethiol Monolayers on Gold. Israel Journal of Chemistry, 1997, 37, 155-163.	1.0	79
132	Nanometer-Sized Electrochemical Sensors. Analytical Chemistry, 1997, 69, 1627-1634.	3.2	265
133	Liquid/Liquid Interface as a Model System for Studying Electrochemical Catalysis in Microemulsions. Reduction of trans-1,2-Dibromocyclohexane with Vitamin B12. Journal of Physical Chemistry B, 1997, 101, 3202-3208.	1.2	80
134	Long-Range Electron Transfer through a Lipid Monolayer at the Liquid/Liquid Interface. Journal of the American Chemical Society, 1997, 119, 10785-10792.	6.6	145
135	Fast Kinetic Measurements with Nanometer-Sized Pipets. Transfer of Potassium Ion from Water into Dichloroethane Facilitated by Dibenzo-18-crown-6. Journal of the American Chemical Society, 1997, 119, 8103-8104.	6.6	158
136	Scanning electrochemical microscopy (SECM) of facilitated ion transfer at the liquid|liquid interface. Journal of Electroanalytical Chemistry, 1997, 439, 137-143.	1.9	77
137	Peer Reviewed: Recent Advances in Scanning Electrochemical Microscopy. Analytical Chemistry, 1996, 68, 177A-182A.	3.2	74
138	Scanning Electrochemical Microscopy. 34. Potential Dependence of the Electron-Transfer Rate and Film Formation at the Liquid/Liquid Interface. The Journal of Physical Chemistry, 1996, 100, 17881-17888.	2.9	159
139	Polymer Films on Electrodes. 26. Study of Ion Transport and Electron Transfer at Polypyrrole Films by Scanning Electrochemical Microscopy. The Journal of Physical Chemistry, 1995, 99, 5040-5050.	2.9	94
140	Scanning Electrochemical Microscopy. 31. Application of SECM to the Study of Charge Transfer Processes at the Liquid/Liquid Interface. The Journal of Physical Chemistry, 1995, 99, 16033-16042.	2.9	330
141	Polymer Films on Electrodes. 25. Effect of Polymer Resistance on the Electrochemistry of Poly(vinylferrocene): Scanning Electrochemical Microscopic, Chronoamperometric, and Cyclic Voltammetric Studies. The Journal of Physical Chemistry, 1994, 98, 1475-1481.	2.9	62
142	Scanning Electrochemical Microscopy. 25. Application to Investigation of the Kinetics of Heterogeneous Electron Transfer at Semiconductor (WSe2 and Si) Electrodes. The Journal of Physical Chemistry, 1994, 98, 9106-9114.	2.9	86
143	Scanning Electrochemical Microscopy. 27. Application of a Simplified Treatment of an Irreversible Homogeneous Reaction following Electron Transfer to the Oxidative Dimerization of 4-Nitrophenolate in Acetonitrile. The Journal of Physical Chemistry, 1994, 98, 5751-5757.	2.9	53
144	Scanning electrochemical microscopy. 19. Ion-selective potentiometric microscopy. Analytical Chemistry, 1993, 65, 1213-1224.	3.2	206

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145	Determination of the kinetic parameters for the electroreduction of fullerene C60 by scanning electrochemical microscopy and fast scan cyclic voltammetry. Journal of the American Chemical Society, 1993, 115, 201-204.	6.6	75
146	Scanning electrochemical microscopy. 20. Steady-state measurements of the fast heterogeneous kinetics in the ferrocene/acetonitrile system. The Journal of Physical Chemistry, 1993, 97, 7672-7677.	2.9	123
147	Scanning electrochemical microscopy. 22. Examination of thin solid silver(I) bromide films: ion diffusion in the film and heterogeneous kinetics at the film/solution interface. The Journal of Physical Chemistry, 1993, 97, 10790-10795.	2.9	47
148	Scanning Electrochemical Microscopy 18: Thin Layer Cell Formation with a Mercury Pool Substrate. Journal of the Electrochemical Society, 1992, 139, 3535-3539.	1.3	26
149	Simple analysis of quasi-reversible steady-state voltammograms. Analytical Chemistry, 1992, 64, 2293-2302.	3.2	236
150	Direct Electrochemical Measurements Inside a 2000 Angstrom Thick Polymer Film by Scanning Electrochemical Microscopy. Science, 1992, 257, 364-366.	6.0	94
151	Borohydride Oxidation at a Gold Electrode. Journal of the Electrochemical Society, 1992, 139, 2212-2217.	1.3	182
152	Scanning electrochemical microscopy. 12. Theory and experiment of the feedback mode with finite heterogeneous electron-transfer kinetics and arbitrary substrate size. The Journal of Physical Chemistry, 1992, 96, 1861-1868.	2.9	309
153	Multidimensional integral equations. Journal of Electroanalytical Chemistry, 1992, 323, 1-27.	1.9	54
154	Multidimensional integral equations: a new approach to solving microelectrode diffusion problems. Journal of Electroanalytical Chemistry, 1992, 323, 29-51.	1.9	52
155	Scanning electrochemical microscopy part 13. Evaluation of the tip shapes of nanometer size microelectrodes. Journal of Electroanalytical Chemistry, 1992, 328, 47-62.	1.9	254
156	Voltammetric method for the determination of borohydride concentration in alkaline aqueous solutions. Analytical Chemistry, 1991, 63, 532-533.	3.2	51
157	Computer modeling 3-D nucleation and growth. Computers & Chemistry, 1991, 15, 169-174.	1.2	2
158	Direct determination of diffusion coefficients by chronoamperometry at microdisk electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 308, 27-38.	0.3	272
159	Chapter 1. Nanoelectrochemistry at the liquid/liquid interfaces. SPR Electrochemistry, 0, , 1-43.	0.7	8