Charles R Martin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6021422/publications.pdf

Version: 2024-02-01

174 papers	24,747 citations	9428 76 h-index	7627 156 g-index
177 all docs	177 docs citations	177 times ranked	19455 citing authors

#	Article	IF	Citations
1	Resistiveâ€pulse Sensing of DNA with a Polymeric Nanopore Sensor and Characterization of DNA Translocation. ChemNanoMat, 2022, 8, .	1.5	4
2	The Ionic Composition and Chemistry of Nanopore-Confined Solutions. ACS Nano, 2022, 16, 8338-8346.	7.3	4
3	Electrochemical Investigations of Ionic Transport through Synthetic Nanopore Membranes. ECS Meeting Abstracts, 2022, MA2022-01, 1904-1904.	0.0	0
4	The Cation Role in Ion Transport Selectivity of Gold-Plated Nanotubes. ECS Meeting Abstracts, 2022, MA2022-01, 1935-1935.	0.0	0
5	Electrochemical Analysis of Solutions Confined within Single-Digit Nanopores. ECS Meeting Abstracts, 2021, MA2021-02, 1811-1811.	0.0	0
6	The Role of Cation Hydrophobicity on Ion Transport Selectivity in Nanopore Membranes. ECS Meeting Abstracts, 2021, MA2021-02, 1470-1470.	0.0	0
7	Chemical Sensing and Chemoresponsive Pumping with Conical-Pore Polymeric Membranes. Nanomaterials, 2020, 10, 571.	1.9	15
8	Low-Voltage Flow-Through Electroporation Membrane and Method. Methods in Molecular Biology, 2020, 2050, 43-55.	0.4	1
9	Imaging Cycle-Induced Damage of MnO₂ Microparticles. Journal of the Electrochemical Society, 2020, 167, 132501.	1.3	1
10	Nanomaterial Preparation by Extrusion through Nanoporous Membranes. Small, 2018, 14, e1703493.	5.2	69
11	The Effect of Voltage Charging on the Transport Properties of Gold Nanotube Membranes. Small, 2018, 14, 1703290.	5.2	8
12	Rearranging the Nernst equation to make a dosage-controllable membrane delivery system. Journal of Electroanalytical Chemistry, 2018, 819, 73-77.	1.9	7
13	Microtubeâ€Membrane Methodology for Electrochemical Synthesis and Study of Electroactive and Ionically Conductive Materials, and the Conductivity of MnO₂. ChemElectroChem, 2018, 5, 3113-3120.	1.7	3
14	Chemoresponsive Nanofluidic Pump That Turns Off in the Presence of Lead Ion. Analytical Chemistry, 2018, 90, 7715-7720.	3.2	21
15	Bipolar Electrodeposition of Manganese Dioxide Nanoparticles on Gold Nanotubes. ECS Meeting Abstracts, 2018, , .	0.0	0
16	From Ion Current to Electroosmotic Flow Rectification in Asymmetric Nanopore Membranes. Nanomaterials, 2017, 7, 445.	1.9	32
17	Voltage Charging Gold-Microtube Membranes for Electroporation. ECS Meeting Abstracts, 2017, , .	0.0	0
18	Controlled Ion Flow through Polymeric Anion Exchange Membranes. ECS Meeting Abstracts, 2017, , .	0.0	0

#	Article	IF	Citations
19	Electrocapping Gold Nanopores with Porous Manganese Dioxide. ECS Meeting Abstracts, 2017, , .	0.0	0
20	Nanotube-Based Membrane Systems. , 2017, , 97-126.		0
21	An Alternating Current Electroosmotic Pump Based on Conical Nanopore Membranes. ACS Nano, 2016, 10, 4637-4643.	7.3	84
22	Voltage-Rectified Current and Fluid Flow in Conical Nanopores. Accounts of Chemical Research, 2016, 49, 2605-2613.	7.6	136
23	Low-Voltage Flow-Through Electroporation in Gold-Microtube Membranes. Analytical Chemistry, 2016, 88, 12445-12452.	3.2	10
24	Investigation of Ferricinium Stability Inside the Constrained Geometry of Gold Nanotube Membranes via the Utilization of Argon Plasma. Electrochimica Acta, 2016, 188, 619-624.	2.6	1
25	Electroosmotic Flow Rectification in Membranes with Asymmetrically Shaped Pores: Effects of Current and Pore Density. Journal of Physical Chemistry C, 2015, 119, 16633-16638.	1.5	34
26	Voltage Charging Enhances Ionic Conductivity in Gold Nanotube Membranes. ACS Nano, 2014, 8, 8266-8272.	7.3	36
27	Preparing amorphous hydrophobic drug nanoparticles by nanoporous membrane extrusion. Nanomedicine, 2013, 8, 333-341.	1.7	24
28	Microfluidic capture and release of bacteria in a conical nanopore array. Lab on A Chip, 2012, 12, 558-561.	3.1	43
29	Biosensing with Nanopores and Nanotubes. , 2011, , 165-207.		3
30	Drugâ€Delivery Strategies by Using Templateâ€Synthesized Nanotubes. Chemistry - A European Journal, 2011, 17, 6296-6302.	1.7	54
31	The use of Reactive Ion Etching for obtaining â€œfreeâ€•silica nano test tubes. Applied Surface Science, 2010, 256, 7700-7705.	3.1	16
32	An Adsorption-Based Model for Pulse Duration in Resistive-Pulse Protein Sensing. Journal of the American Chemical Society, 2010, 132, 6755-6763.	6.6	97
33	Electroosmotic Flow Rectification in Pyramidal-Pore Mica Membranes. Journal of the American Chemical Society, 2010, 132, 2118-2119.	6.6	64
34	Controlling the Length of Conical Pores Etched in Ionâ€Tracked Poly(ethylene terephthalate) Membranes. Small, 2009, 5, 2474-2479.	5.2	35
35	Deposition into Templates. Nanostructure Science and Technology, 2009, , 279-320.	0.1	3
36	Nanotube Membranes for Biotechnology. , 2008, , 397-431.		0

#	Article	IF	Citations
37	Antibody-functionalized nano test tubes target breast cancer cells. Nanomedicine, 2008, 3, 283-292.	1.7	22
38	A new drug-sensing paradigm based on ion-current rectification in a conically shaped nanopore. Nanomedicine, 2008, 3, 13-20.	1.7	51
39	Resistive-pulse detection of short dsDNAs using a chemically functionalized conical nanopore sensor. Nanomedicine, 2008, 3, 787-796.	1.7	37
40	Nanomedicine: a great first year and, with your help, a bright future ahead. Nanomedicine, 2007, 2, 265-266.	1.7	124
41	Learning Nature's Way: Biosensing with Synthetic Nanopores. Science, 2007, 317, 331-332.	6.0	255
42	Developing synthetic conical nanopores for biosensing applications. Molecular BioSystems, 2007, 3, 667.	2.9	182
43	Resistive-Pulse Studies of Proteins and Protein/Antibody Complexes Using a Conical Nanotube Sensor. Journal of the American Chemical Society, 2007, 129, 13144-13152.	6.6	216
44	Plasma-Etched Nanopore Polymer Films and Their Use as Templates to Prepare â€œNano Test Tubesâ€• Small, 2007, 3, 106-110.	5.2	21
45	Electroactive Nanotube Membranes and Redox-Gating. Small, 2007, 3, 266-270.	5.2	25
46	A Method for Reproducibly Preparing Synthetic Nanopores for Resistiveâ€Pulse Biosensors. Small, 2007, 3, 1424-1430.	5.2	129
47	Template Synthesis of Carbon Nanotubes with Diamondâ€Shaped Cross Sections. Small, 2007, 3, 1718-1722.	5.2	17
48	Nanomaterials in Li-Ion Battery Electrode Design. Modern Aspects of Electrochemistry, 2007, , 75-126.	0.2	8
49	Template synthesized nanotubes for biomedical delivery applications. Nanomedicine, 2006, 1, 39-50.	1.7	71
50	Conical nanopore membranes: solvent shaping of nanopores. Nanotechnology, 2006, 17, 3951-3956.	1.3	81
51	Biosensing with conically shaped nanopores and nanotubes. Physical Chemistry Chemical Physics, 2006, 8, 4976.	1.3	102
52	Resistive-Pulse DNA Detection with a Conical Nanopore Sensor. Langmuir, 2006, 22, 10837-10843.	1.6	193
53	Corking Nano Test Tubes by Chemical Self-Assembly. Journal of the American Chemical Society, 2006, 128, 4236-4237.	6.6	92
54	Welcome to Nanomedicine. Nanomedicine, 2006, 1, 5-5.	1.7	18

#	Article	IF	Citations
55	Conical Nanopore Membranes: Controlling the Nanopore Shape. Small, 2006, 2, 194-198.	5.2	146
56	MATERIALS SCIENCE: Expanding the Molecular Electronics Toolbox. Science, 2005, 309, 67-68.	6.0	22
57	Biomaterials and Biotechnologies Based on Nanotube Membranes. Critical Reviews in Solid State and Materials Sciences, 2005, 30, 183-205.	6.8	73
58	Nanowell-Array Surfaces Prepared by Argon Plasma Etching through a Nanopore Alumina Mask. Langmuir, 2005, 21, 8429-8438.	1.6	12
59	Template-Synthesized DNA Nanotubes. Journal of the American Chemical Society, 2005, 127, 8586-8587.	6.6	117
60	Template-Synthesized Protein Nanotubes. Nano Letters, 2005, 5, 231-234.	4.5	186
61	Effect of Crown Ether on Ion Currents through Synthetic Membranes Containing a Single Conically Shaped Nanopore. Journal of Physical Chemistry B, 2005, 109, 18400-18407.	1.2	44
62	Detecting Single Porphyrin Molecules in a Conically Shaped Synthetic Nanopore. Nano Letters, 2005, 5, 1824-1829.	4.5	252
63	Protein Biosensors Based on Biofunctionalized Conical Gold Nanotubes. Journal of the American Chemical Society, 2005, 127, 5000-5001.	6.6	491
64	Template Synthesis of Gold Nanotubes in an Anodic Alumina Membrane. Journal of Nanoscience and Nanotechnology, 2004, 4, 605-610.	0.9	54
65	Nanowell-Array Surfaces. Small, 2004, 1, 69-72.	5.2	26
66	Electrokinetic DNA transport in a nanopore membrane. Electrochimica Acta, 2004, 49, 847-850.	2.6	24
67	DNA-Functionalized Nanotube Membranes with Single-Base Mismatch Selectivity. Science, 2004, 305, 984-986.	6.0	309
68	Redox Modulation of Electroosmotic Flow in a Carbon Nanotube Membrane. Journal of the American Chemical Society, 2004, 126, 6226-6227.	6.6	49
69	DNAâ˜Nanotube Artificial Ion Channels. Journal of the American Chemical Society, 2004, 126, 15646-15647.	6.6	253
70	Layer-by-Layer Nanotube Template Synthesis. Journal of the American Chemical Society, 2004, 126, 5674-5675.	6.6	144
71	Electrophoretic Capture and Detection of Nanoparticles at the Opening of a Membrane Pore Using Scanning Electrochemical Microscopy. Analytical Chemistry, 2004, 76, 6108-6115.	3.2	132
72	Template Synthesis of Nano Test Tubes. Nano Letters, 2004, 4, 513-516.	4.5	134

#	Article	IF	Citations
73	Conical Nanopore Membranes. Preparation and Transport Properties. Analytical Chemistry, 2004, 76, 2025-2030.	3.2	126
74	Conical-Nanotube Ion-Current Rectifiers:Â The Role of Surface Charge. Journal of the American Chemical Society, 2004, 126, 10850-10851.	6.6	461
75	The emerging field of nanotube biotechnology. Nature Reviews Drug Discovery, 2003, 2, 29-37.	21.5	733
76	Nano Wheat Fields Prepared by Plasma-Etching Gold Nanowire-Containing Membranes. Nano Letters, 2003, 3, 815-818.	4.5	76
77	Synthetic Single-Nanopore and Nanotube Membranes. Analytical Chemistry, 2003, 75, 6861-6867.	3.2	101
78	A Nanostructured Honeycomb Carbon Anode. Journal of the Electrochemical Society, 2003, 150, A979.	1.3	46
79	Smart nanotubes for biomedical and biotechnological applications. Drug News and Perspectives, 2003, 16, 566.	1.9	17
80	TRANSPORT PROPERTIES OF TEMPLATE-SYNTHESIZED GOLD AND CARBON NANOTUBE MEMBRANES. International Journal of Nanoscience, 2002, 01, 255-268.	0.4	6
81	Electromodulated Molecular Transport in Gold-Nanotube Membranes. Journal of the American Chemical Society, 2002, 124, 11850-11851.	6.6	106
82	Antibody-Based Bio-Nanotube Membranes for Enantiomeric Drug Separations. Science, 2002, 296, 2198-2200.	6.0	612
83	Ion Channel Mimetic Micropore and Nanotube Membrane Sensors. Analytical Chemistry, 2002, 74, 2416-2422.	3.2	149
84	Template synthesized gold nanotube membranes for chemical separations and sensing. Analyst, The, 2002, 127, 871-879.	1.7	71
85	Template-Synthesized Nanotubes for Chemical Separations and Analysis. Chemistry - A European Journal, 2002, 8, 3572.	1.7	60
86	Molecular Sieving and Sensing with Gold Nanotube Membranes. Chemical Record, 2002, 2, 259-267.	2.9	36
87	Size-Based Protein Separations in Poly(ethylene glycol)-Derivatized Gold Nanotubule Membranes. Nano Letters, 2001, 1, 495-498.	4.5	132
88	Electroosmotic Flow in Template-Prepared Carbon Nanotube Membranes. Journal of the American Chemical Society, 2001, 123, 12335-12342.	6.6	239
89	Controlling the Transport Properties of Gold Nanotubule Membranes Using Chemisorbed Thiols. Chemistry of Materials, 2001, 13, 3236-3244.	3.2	55
90	Investigations of the Transport Properties of Gold Nanotubule Membranes. Journal of Physical Chemistry B, 2001, 105, 1925-1934.	1.2	193

#	Article	IF	Citations
91	Investigations of Potential-Dependent Fluxes of Ionic Permeates in Gold Nanotubule Membranes Prepared via the Template Method. Langmuir, 2001, 17, 2753-2759.	1.6	67
92	pH-Switchable, Ion-Permselective Gold Nanotubule Membrane Based on Chemisorbed Cysteine. Analytical Chemistry, 2001, 73, 768-775.	3.2	181
93	A High-Rate, High-Capacity, Nanostructured Sn-Based Anode Prepared Using Sol-Gel Template Synthesis. Journal of the Electrochemical Society, 2001, 148, A164.	1.3	285
94	Electrochemistry of phenothiazine and methylviologen biosensor electron-transfer mediators at nanoelectrode ensembles. Journal of Electroanalytical Chemistry, 2000, 491, 166-174.	1.9	96
95	Rate Capabilities of Nanostructured LiMn[sub 2]O[sub 4] Electrodes in Aqueous Electrolyte. Journal of the Electrochemical Society, 2000, 147, 2044.	1.3	212
96	Resistive-Pulse SensingFrom Microbes to Molecules. Chemical Reviews, 2000, 100, 2575-2594.	23.0	491
97	Effect of Thiol Chemisorption on the Transport Properties of Gold Nanotubule Membranes. Analytical Chemistry, 1999, 71, 4913-4918.	3.2	182
98	Solâ€Gelâ€Based Template Synthesis and Liâ€Insertion Rate Performance of Nanostructured Vanadium Pentoxide. Journal of the Electrochemical Society, 1999, 146, 3176-3180.	1.3	194
99	Using Template-Synthesized Micro- and Nanowires as Building Blocks for Self-Assembly of Supramolecular Architectures. Chemistry of Materials, 1999, 11, 1183-1185.	3.2	73
100	An Electrochemically Driven Actuator Based on a Nanostructured Carbon Material. Analytical Chemistry, 1999, 71, 3187-3191.	3.2	18
101	Highly Sensitive Methods for Electroanalytical Chemistry Based on Nanotubule Membranes. Analytical Chemistry, 1999, 71, 3665-3672.	3.2	69
102	Metal-Nanocluster-Filled Carbon Nanotubes:Â Catalytic Properties and Possible Applications in Electrochemical Energy Storage and Production. Langmuir, 1999, 15, 750-758.	1.6	405
103	COMPARISON OF THE LIPOPHILIC REDOX-RECYCLABLE EXTRACTANT[Fe(Î·⁵-C₅H₃(s-C₇H₁₅)₂)₂][NO WITH [N(n-C₇H₁₅)₄][NO₃] FOR LIQUID-LIQUID ANION-EXCHANGE OF AQUEOUS⁹⁹TcO₄^{â^'}. Solvent Extraction and Ion Exchange, 1999, 17, 553-584.	0.8	5
104	Carbon nanotubule membranes for electrochemical energy storage and production. Nature, 1998, 393, 346-349.	13.7	1,757
105	Electrochemical Preparation and Characterization of an Anion-Permselective Composite Membrane for Sensor Technology. Electroanalysis, 1998, 10, 1168-1173.	1.5	11
106	Nitrate Biosensor Based on the Ultrathin-Film Composite Membrane Concept. Analytical Chemistry, 1998, 70, 2163-2166.	3.2	73
107	Toward Colloidal Dispersions of Template-Synthesized Polypyrrole Nanotubules. Chemistry of Materials, 1998, 10, 1738-1741.	3.2	72
108	Selectively-Permeable Ultrathin Film Composite Membranes Based on Molecularly-Imprinted Polymers. Chemistry of Materials, 1998, 10, 1029-1033.	3.2	60

#	Article	IF	Citations
109	Peer Reviewed: Nanomaterials in Analytical Chemistry. Analytical Chemistry, 1998, 70, 322A-327A.	3.2	169
110	Preparation and Stability of Template-Synthesized Metal Nanorod Sols in Organic Solvents. Journal of Physical Chemistry B, 1998, 102, 9985-9990.	1.2	202
111	A Strategy for Separating and Recovering Aqueous Ions:â€‰ Redox-Recyclable Ion-Exchange Materials Containing a Physisorbed, Redox-Active, Organometallic Complex. Analytical Chemistry, 1998, 70, 757-765.	3.2	14
112	Introducing Chemical Transport Selectivity into Gold Nanotubule Membranes. Journal of the American Chemical Society, 1998, 120, 6603-6604.	6.6	204
113	Fabrication and characterization of concentric-tubular composite micro- and nanostructures using the template-synthesis method. Journal of Materials Research, 1998, 13, 3070-3080.	1.2	57
114	Preparation and characterization of concentric-tubular composite microstructures using the template synthesis method. Materials Research Society Symposia Proceedings, 1997, 501, 143.	0.1	0
115	Template Synthesis of Polypyrroleâ€Coated Spinel LiMn2â€‰Oâ€‰4 Nanotubules and Their Properties as Cathode Active Materials for Lithium Batteries. Journal of the Electrochemical Society, 1997, 144, 1923-1927.	1.3	201
116	Changes in the Shape and Optical Properties of Gold Nanoparticles Contained within Alumina Membranes Due to Low-Temperature Annealing. Journal of Physical Chemistry B, 1997, 101, 7727-7731.	1.2	42
117	Unusual Gas-Transport Selectivity in a Partially Oxidized Form of the Conductive Polymer Polypyrrole. Chemistry of Materials, 1997, 9, 560-566.	3.2	40
118	Chemical Strategies for Template Syntheses of Composite Micro- and Nanostructures. Chemistry of Materials, 1997, 9, 1065-1067.	3.2	108
119	Solâ^'Gel Template Synthesis of Semiconductor Nanostructures. Chemistry of Materials, 1997, 9, 857-862.	3.2	646
120	Solâ^'Gel Template Synthesis of Semiconductor Oxide Micro- and Nanostructures. Chemistry of Materials, 1997, 9, 2544-2550.	3.2	694
121	Nanotubule-Based Molecular-Filtration Membranes. Science, 1997, 278, 655-658.	6.0	574
122	Chemicalâ€Vapor Depositionâ€Based Template Synthesis of Microtubular TiS2 Battery Electrodes. Journal of the Electrochemical Society, 1997, 144, 4296-4302.	1.3	102
123	A general template-based method for the preparation of nanomaterials. Journal of Materials Chemistry, 1997, 7, 1075-1087.	6.7	1,022
124	Fabrication, Characterization, and Optical Properties of Gold Nanoparticle/Porous Alumina Composites:â€‰ The Nonscattering Maxwellâ^'Garnett Limit. Journal of Physical Chemistry B, 1997, 101, 1548-1555.	1.2	272
125	Enantioseparation using apoenzymes immobilized in a porous polymeric membrane. Nature, 1997, 388, 758-760.	13.7	174
126	Toward a molecular CoulterÂ® counter type device. Journal of Electroanalytical Chemistry, 1997, 431, 29-33.	1.9	22

#	Article	IF	Citations
127	Membrane-Based Synthesis of Nanomaterials. Chemistry of Materials, 1996, 8, 1739-1746.	3.2	1,464
128	Investigation of Molecular and Supermolecular Structure in Template-Synthesized Polypyrrole Tubules and Fibrils. Chemistry of Materials, 1996, 8, 2382-2390.	3.2	192
129	Ion-Exchange Voltammetry at Polymer Film-Coated Nanoelectrode Ensembles. Analytical Chemistry, 1996, 68, 4160-4165.	3.2	86
130	Template preparation of nanoelectrode ensembles. Achieving the â€˜pure-radialâ€™ electrochemical-response limiting case. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4029-4032.	1.7	55
131	Enzyme and chemical encapsulation in polymeric microcapsules. Journal of Applied Polymer Science, 1996, 62, 875-886.	1.3	40
132	Polymeric microcapsule arrays. Advanced Materials, 1995, 7, 487-488.	11.1	36
133	Template synthesis of graphitic nanotubules. Advanced Materials, 1995, 7, 896-897.	11.1	147
134	High-pressure conductivity study of template synthesized poly pyrrole: Observation of a crossover from three-to one-dimensional variable range hopping. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1995, 71, 929-940.	0.6	6
135	Fabrication and Evaluation of Nanoelectrode Ensembles. Analytical Chemistry, 1995, 67, 1920-1928.	3.2	697
136	Template Synthesis of Electronically Conductive Polymer Nanostructures. Accounts of Chemical Research, 1995, 28, 61-68.	7.6	892
137	Plasma Polymerization of Sulfonated Fluorochlorocarbon Ionomer Films. Journal of the Electrochemical Society, 1994, 141, 2273-2279.	1.3	31
138	Template synthesis of metal microtubule ensembles utilizing chemical, electrochemical, and vacuum deposition techniques. Journal of Materials Research, 1994, 9, 1174-1183.	1.2	152
139	Biosensors Based on Ultrathin Film Composite Membranes. ACS Symposium Series, 1994, , 158-168.	0.5	3
140	Synthesis of polymeric microcapsule arrays and their use for enzyme immobilization. Nature, 1994, 369, 298-301.	13.7	323
141	Optically transparent nanometal composite membranes. Advanced Materials, 1993, 5, 135-136.	11.1	55
142	Chemical preparation of conductive polypyrroleâ€“polytetrafluoroethene composites. Polymers for Advanced Technologies, 1993, 4, 124-132.	1.6	23
143	Influence of the sulfonate countercation on the thermal stability of nafion perfluorosulfonate membranes. Journal of Polymer Science, Part B: Polymer Physics, 1993, 31, 953-957.	2.4	49
144	Transition Metal Chelateâ€Fulleride Compounds: Electrocrystallization of Semiconducting â€‰[â€‰Ruâ€‰(â€‰bpyâ€‰)â€‰3â€‰]â€‰â€‰(â€‰â€‰Câ€‰60â€‰)â€‰2. Journal of the Electrochemical Society, 1993	1.3	22

#	Article	IF	Citations
145	Electrochemical fabrication of cadmium chalcogenide microdiode arrays. Chemistry of Materials, 1993, 5, 902-904.	3.2	245
146	A Simple Chemical Procedure for Extending the Conductive State of Polypyrrole to More Negative Potentials. Journal of the Electrochemical Society, 1993, 140, 2754-2759.	1.3	15
147	Nearâ€IR Absorption Spectra for the Buckminsterfullerene Anions: an Experimental and Theoretical Study. Journal of the Electrochemical Society, 1992, 139, L68-L71.	1.3	137
148	Optical properties of composite membranes containing arrays of nanoscopic gold cylinders. The Journal of Physical Chemistry, 1992, 96, 7497-7499.	2.9	204
149	Template Synthesis and Optical Properties of Small Metal Particle Composite Materials: Effects of Particle Shape and Orientation On Plasmon Resonance Maxima.. Materials Research Society Symposia Proceedings, 1992, 286, 431.	0.1	4
150	Concerted Ion and Electron Transfer Across Electronically Conductive Polymer Membranes. Materials Research Society Symposia Proceedings, 1992, 293, 153.	0.1	0
151	Temperature Dependence of the Electrode Kinetics of Oxygen Reduction at the Platinum/NafionÂ® Interfaceâ€"A Microelectrode Investigation. Journal of the Electrochemical Society, 1992, 139, 2530-2537.	1.3	635
152	Pressure Dependence of the Oxygen Reduction Reaction at the Platinum Microelectrode/Nafion Interface: Electrode Kinetics and Mass Transport. Journal of the Electrochemical Society, 1992, 139, 2856-2862.	1.3	191
153	Investigations of the â€‰Oâ€‰2 Reduction Reaction at the Platinum/NafionÂ® Interface Using a Solidâ€State Electrochemical Cell. Journal of the Electrochemical Society, 1991, 138, 916-921.	1.3	237
154	Template synthesis of metal microtubules. Journal of the American Chemical Society, 1991, 113, 3174-3175.	6.6	252
155	Composite membranes from photochemical synthesis of ultrathin polymer films. Nature, 1991, 352, 50-52.	13.7	86
156	Template synthesis of polymeric and metal microtubules. Advanced Materials, 1991, 3, 457-459.	11.1	244
157	Electroreleasing Composite Membranes for Delivery of Insulin and Other Biomacromolecules. Journal of the Electrochemical Society, 1990, 137, 2005-2006.	1.3	7
158	New Electrorelease Systems Based on Microporous Membranes. Journal of the Electrochemical Society, 1990, 137, 3789-3793.	1.3	26
159	Electrochemical investigations of electronically conductive polymers. 4. Controlling the supermolecular structure allows charge transport rates to be enhanced. Langmuir, 1990, 6, 1118-1123.	1.6	116
160	Ionâ€Transporting Composite Membranes: III . Selectivity and Rate of Ion Transport in Nafionâ€Impregnated Goreâ€Tex Membranes Prepared by a Highâ€Temperature Solution Casting Method. Journal of the Electrochemical Society, 1990, 137, 3114-3120.	1.3	36
161	Template synthesis of organic microtubules. Journal of the American Chemical Society, 1990, 112, 8976-8977.	6.6	215
162	Ion Transporting Composite Membranes: II . Ion Transport Mechanism in Nafionâ€Impregnated Goreâ€Tex Membranes. Journal of the Electrochemical Society, 1990, 137, 510-515.	1.3	50

#	Article	IF	Citations
163	Measuring Conductivities of Highly Conductive Membranes. Journal of the Electrochemical Society, 1989, 136, 3356-3361.	1.3	6
164	Ion exchange voltammetry with electroactive ionomers. Electroanalysis, 1989, 1, 93-95.	1.5	16
165	Ultramicroelectrode ensembles. Comparison of experimental and theoretical responses and evaluation of electroanalytical detection limits. Analytical Chemistry, 1989, 61, 762-766.	3.2	88
166	Ultramicrodisk electrode ensembles prepared by incorporating carbon paste into a microporous host membrane. Analytical Chemistry, 1988, 60, 2163-2165.	3.2	59
167	Ionomer Film-Coated Electrodes as Electrochemical Sensors. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 160, 359-376.	0.3	2
168	Preparation and electrochemical characterization of ultramicroelectrode ensembles. Analytical Chemistry, 1987, 59, 2625-2630.	3.2	307
169	Controlling the Morphology of Electronically Conductive Polymers. Journal of the Electrochemical Society, 1986, 133, 2206-2207.	1.3	148
170	Electronically Conductive Composite Polymer Membranes. Journal of the Electrochemical Society, 1986, 133, 310-315.	1.3	99
171	Ion Transporting Composite Membranes: I . Nafionâ€Impregnated Goreâ€Tex. Journal of the Electrochemical Society, 1985, 132, 514-515.	1.3	76
172	Chemical Properties and Film Casting of Radiationâ€Grafted Ion Containing Polymers. Journal of the Electrochemical Society, 1984, 131, 1652-1657.	1.3	10
173	The heterogeneous rate constant for the Ru(bpy)33+/2+ couple at a glassy carbon electrode in aqueous solution. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1983, 151, 267-271.	0.3	24
174	Current trends in ion-selective electrodes. TrAC - Trends in Analytical Chemistry, 1982, 1, 175-179.	5.8	9