

Charles R Martin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162
papers

22,182
citations

74
h-index

148
g-index

177
ext. papers

23,191
ext. citations

10.6
avg, IF

6.97
L-index

#	Paper	IF	Citations
162	Electrochemical Analysis of Solutions Confined within Single-Digit Nanopores. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-02, 1811-1811	0	
161	Chemical Sensing and Chemoresponsive Pumping with Conical-Pore Polymeric Membranes. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
160	Imaging Cycle-Induced Damage of MnO ₂ Microparticles. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 132501	3.9	1
159	Low-Voltage Flow-Through Electroporation Membrane and Method. <i>Methods in Molecular Biology</i> , 2020 , 2050, 43-55	1.4	1
158	Nanomaterial Preparation by Extrusion through Nanoporous Membranes. <i>Small</i> , 2018 , 14, e1703493	11	39
157	The Effect of Voltage Charging on the Transport Properties of Gold Nanotube Membranes. <i>Small</i> , 2018 , 14, e1703290	11	6
156	Rearranging the Nernst equation to make a dosage-controllable membrane delivery system. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 819, 73-77	4.1	5
155	Microtube-Membrane Methodology for Electrochemical Synthesis and Study of Electroactive and Ionically Conductive Materials, and the Conductivity of MnO ₂ . <i>ChemElectroChem</i> , 2018 , 5, 3113-3120	4.3	2
154	Chemoresponsive Nanofluidic Pump That Turns Off in the Presence of Lead Ion. <i>Analytical Chemistry</i> , 2018 , 90, 7715-7720	7.8	15
153	From Ion Current to Electroosmotic Flow Rectification in Asymmetric Nanopore Membranes. <i>Nanomaterials</i> , 2017 , 7,	5.4	26
152	Nanotube-Based Membrane Systems 2017 , 97-126		
151	Low-Voltage Flow-Through Electroporation in Gold-Microtube Membranes. <i>Analytical Chemistry</i> , 2016 , 88, 12445-12452	7.8	8
150	Investigation of Ferricinium Stability Inside the Constrained Geometry of Gold Nanotube Membranes via the Utilization of Argon Plasma. <i>Electrochimica Acta</i> , 2016 , 188, 619-624	6.7	1
149	An Alternating Current Electroosmotic Pump Based on Conical Nanopore Membranes. <i>ACS Nano</i> , 2016 , 10, 4637-43	16.7	65
148	Voltage-Rectified Current and Fluid Flow in Conical Nanopores. <i>Accounts of Chemical Research</i> , 2016 , 49, 2605-2613	24.3	107
147	Electroosmotic Flow Rectification in Membranes with Asymmetrically Shaped Pores: Effects of Current and Pore Density. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16633-16638	3.8	27
146	Voltage charging enhances ionic conductivity in gold nanotube membranes. <i>ACS Nano</i> , 2014 , 8, 8266-72	16.7	30

145	Preparing amorphous hydrophobic drug nanoparticles by nanoporous membrane extrusion. <i>Nanomedicine</i> , 2013 , 8, 333-41	5.6	20
144	Microfluidic capture and release of bacteria in a conical nanopore array. <i>Lab on A Chip</i> , 2012 , 12, 558-61	7.2	38
143	Biosensing with Nanopores and Nanotubes 2011 , 165-207		3
142	Drug-delivery strategies by using template-synthesized nanotubes. <i>Chemistry - A European Journal</i> , 2011 , 17, 6296-302	4.8	43
141	An adsorption-based model for pulse duration in resistive-pulse protein sensing. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6755-63	16.4	85
140	Electroosmotic flow rectification in pyramidal-pore mica membranes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2118-9	16.4	59
139	The use of Reactive Ion Etching for obtaining free silica nano test tubes. <i>Applied Surface Science</i> , 2010 , 256, 7700-7705	6.7	16
138	Controlling the length of conical pores etched in ion-tracked poly(ethylene terephthalate) membranes. <i>Small</i> , 2009 , 5, 2474-9	11	29
137	Deposition into Templates. <i>Nanostructure Science and Technology</i> , 2009 , 279-320	0.9	3
136	Nanotube Membranes for Biotechnology 2008 , 397-431		
135	Antibody-functionalized nano test tubes target breast cancer cells. <i>Nanomedicine</i> , 2008 , 3, 283-92	5.6	22
134	A new drug-sensing paradigm based on ion-current rectification in a conically shaped nanopore. <i>Nanomedicine</i> , 2008 , 3, 13-20	5.6	49
133	Resistive-pulse detection of short dsDNAs using a chemically functionalized conical nanopore sensor. <i>Nanomedicine</i> , 2008 , 3, 787-96	5.6	33
132	Resistive-pulse studies of proteins and protein/antibody complexes using a conical nanotube sensor. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13144-52	16.4	194
131	Plasma-etched nanopore polymer films and their use as templates to prepare "nano test tubes". <i>Small</i> , 2007 , 3, 106-10	11	21
130	Electroactive nanotube membranes and redox-gating. <i>Small</i> , 2007 , 3, 266-70	11	25
129	A method for reproducibly preparing synthetic nanopores for resistive-pulse biosensors. <i>Small</i> , 2007 , 3, 1424-30	11	118
128	Template synthesis of carbon nanotubes with diamond-shaped cross sections. <i>Small</i> , 2007 , 3, 1718-22	11	16

127	Nanomedicine: a great first year and, with your help, a bright future ahead. <i>Nanomedicine</i> , 2007 , 2, 265-266	366	107
126	Chemistry. Learning nature's way: biosensing with synthetic nanopores. <i>Science</i> , 2007 , 317, 331-2	33.3	233
125	Developing synthetic conical nanopores for biosensing applications. <i>Molecular BioSystems</i> , 2007 , 3, 667-85		165
124	Nanomaterials in Li-Ion Battery Electrode Design. <i>Modern Aspects of Electrochemistry</i> , 2007 , 75-126		6
123	Template synthesized nanotubes for biomedical delivery applications. <i>Nanomedicine</i> , 2006 , 1, 39-50	5.6	60
122	Conical nanopore membranes: solvent shaping of nanopores. <i>Nanotechnology</i> , 2006 , 17, 3951-3956	3.4	77
121	Biosensing with conically shaped nanopores and nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 4976-88	3.6	95
120	Resistive-pulse DNA detection with a conical nanopore sensor. <i>Langmuir</i> , 2006 , 22, 10837-43	4	177
119	Corking nano test tubes by chemical self-assembly. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4236-7	16.4	86
118	Welcome to Nanomedicine. <i>Nanomedicine</i> , 2006 , 1, 5-5	5.6	16
117	Conical nanopore membranes: controlling the nanopore shape. <i>Small</i> , 2006 , 2, 194-8	11	135
116	Biomaterials and Biotechnologies Based on Nanotube Membranes. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2005 , 30, 183-205	10.1	68
115	Nanowell-array surfaces prepared by argon plasma etching through a nanopore alumina mask. <i>Langmuir</i> , 2005 , 21, 8429-38	4	12
114	Template-synthesized DNA nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8586-7	16.4	113
113	Template-synthesized protein nanotubes. <i>Nano Letters</i> , 2005 , 5, 231-4	11.5	176
112	Effect of crown ether on ion currents through synthetic membranes containing a single conically shaped nanopore. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18400-7	3.4	42
111	Detecting single porphyrin molecules in a conically shaped synthetic nanopore. <i>Nano Letters</i> , 2005 , 5, 1824-9	11.5	241
110	Protein biosensors based on biofunctionalized conical gold nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5000-1	16.4	452

109	Nanowell-array surfaces. <i>Small</i> , 2005 , 1, 69-72	11	25
108	Materials science. Expanding the molecular electronics toolbox. <i>Science</i> , 2005 , 309, 67-8	33.3	20
107	Template synthesis of gold nanotubes in an anodic alumina membrane. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 605-10	1.3	48
106	Electrokinetic DNA transport in a nanopore membrane. <i>Electrochimica Acta</i> , 2004 , 49, 847-850	6.7	23
105	DNA-functionalized nanotube membranes with single-base mismatch selectivity. <i>Science</i> , 2004 , 305, 984-6	33.3	294
104	Redox modulation of electroosmotic flow in a carbon nanotube membrane. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6226-7	16.4	45
103	DNA-nanotube artificial ion channels. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15646-7	16.4	229
102	Layer-by-layer nanotube template synthesis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5674-516.4	16.4	136
101	Electrophoretic capture and detection of nanoparticles at the opening of a membrane pore using scanning electrochemical microscopy. <i>Analytical Chemistry</i> , 2004 , 76, 6108-15	7.8	128
100	Template Synthesis of Nano Test Tubes. <i>Nano Letters</i> , 2004 , 4, 513-516	11.5	126
99	Conical nanopore membranes. Preparation and transport properties. <i>Analytical Chemistry</i> , 2004 , 76, 2025-30	11.8	118
98	Conical-nanotube ion-current rectifiers: the role of surface charge. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10850-1	16.4	415
97	The emerging field of nanotube biotechnology. <i>Nature Reviews Drug Discovery</i> , 2003 , 2, 29-37	64.1	670
96	Nano Wheat Fields Prepared by Plasma-Etching Gold Nanowire-Containing Membranes. <i>Nano Letters</i> , 2003 , 3, 815-818	11.5	69
95	Synthetic single-nanopore and nanotube membranes. <i>Analytical Chemistry</i> , 2003 , 75, 6861-7	7.8	97
94	A Nanostructured Honeycomb Carbon Anode. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A979	3.9	43
93	Smart nanotubes for biomedical and biotechnological applications. <i>Drug News and Perspectives</i> , 2003 , 16, 566-73		16
92	Template-synthesized nanotubes for chemical separations and analysis. <i>Chemistry - A European Journal</i> , 2002 , 8, 3572-8	4.8	54

91	Molecular sieving and sensing with gold nanotube membranes. <i>Chemical Record</i> , 2002 , 2, 259-67	6.6	36
90	TRANSPORT PROPERTIES OF TEMPLATE-SYNTHESIZED GOLD AND CARBON NANOTUBE MEMBRANES. <i>International Journal of Nanoscience</i> , 2002 , 01, 255-268	0.6	6
89	Electromodulated molecular transport in gold-nanotube membranes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11850-1	16.4	98
88	Antibody-based bio-nanotube membranes for enantiomeric drug separations. <i>Science</i> , 2002 , 296, 2198-2003	3.3	559
87	Ion channel mimetic micropore and nanotube membrane sensors. <i>Analytical Chemistry</i> , 2002 , 74, 2416-22.8	2.8	134
86	Template synthesized gold nanotube membranes for chemical separations and sensing. <i>Analyst, The</i> , 2002 , 127, 871-9	5	68
85	Size-Based Protein Separations in Poly(ethylene glycol)-Derivatized Gold Nanotubule Membranes. <i>Nano Letters</i> , 2001 , 1, 495-498	11.5	123
84	Electroosmotic flow in template-prepared carbon nanotube membranes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12335-42	16.4	218
83	Controlling the Transport Properties of Gold Nanotubule Membranes Using Chemisorbed Thiols. <i>Chemistry of Materials</i> , 2001 , 13, 3236-3244	9.6	50
82	Investigations of the Transport Properties of Gold Nanotubule Membranes. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1925-1934	3.4	171
81	Investigations of Potential-Dependent Fluxes of Ionic Permeates in Gold Nanotubule Membranes Prepared via the Template Method. <i>Langmuir</i> , 2001 , 17, 2753-2759	4	58
80	pH-switchable, ion-permselective gold nanotubule membrane based on chemisorbed cysteine. <i>Analytical Chemistry</i> , 2001 , 73, 768-75	7.8	156
79	A High-Rate, High-Capacity, Nanostructured Sn-Based Anode Prepared Using Sol-Gel Template Synthesis. <i>Journal of the Electrochemical Society</i> , 2001 , 148, A164	3.9	270
78	Electrochemistry of phenothiazine and methylviologen biosensor electron-transfer mediators at nanoelectrode ensembles. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 491, 166-174	4.1	83
77	Rate Capabilities of Nanostructured LiMn[sub 2]O[sub 4] Electrodes in Aqueous Electrolyte. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 2044	3.9	188
76	Resistive-Pulse Sensing-From Microbes to Molecules. <i>Chemical Reviews</i> , 2000 , 100, 2575-2594	68.1	438
75	Effect of thiol chemisorption on the transport properties of gold nanotubule membranes. <i>Analytical Chemistry</i> , 1999 , 71, 4913-8	7.8	165
74	Sol-Gel-Based Template Synthesis and Li-Insertion Rate Performance of Nanostructured Vanadium Pentoxide. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 3176-3180	3.9	183

73	Using Template-Synthesized Micro- and Nanowires as Building Blocks for Self-Assembly of Supramolecular Architectures. <i>Chemistry of Materials</i> , 1999 , 11, 1183-1185	9.6	62
72	An electrochemically driven actuator based on a nanostructured carbon material. <i>Analytical Chemistry</i> , 1999 , 71, 3187-91	7.8	14
71	Highly sensitive methods for electroanalytical chemistry based on nanotubule membranes. <i>Analytical Chemistry</i> , 1999 , 71, 3665-72	7.8	63
70	Metal-Nanocluster-Filled Carbon Nanotubes: Catalytic Properties and Possible Applications in Electrochemical Energy Storage and Production. <i>Langmuir</i> , 1999 , 15, 750-758	4	355
69	COMPARISON OF THE LIPOPHILIC REDOX-RECYCLABLE EXTRACTANT[Fe(B-C5H3(s-C7H15)2)2][NO3] WITH [N(n-C7H15)4][NO3] FOR LIQUID-LIQUID ANION-EXCHANGE OF AQUEOUS 99TcO4 ⁻ . <i>Solvent Extraction and Ion Exchange</i> , 1999 , 17, 553-584	2.5	5
68	Carbon nanotubule membranes for electrochemical energy storage and production. <i>Nature</i> , 1998 , 393, 346-349	50.4	1604
67	Electrochemical Preparation and Characterization of an Anion-Permselective Composite Membrane for Sensor Technology. <i>Electroanalysis</i> , 1998 , 10, 1168-1173	3	11
66	Nitrate Biosensor Based on the Ultrathin-Film Composite Membrane Concept. <i>Analytical Chemistry</i> , 1998 , 70, 2163-2166	7.8	61
65	Toward Colloidal Dispersions of Template-Synthesized Polypyrrole Nanotubules. <i>Chemistry of Materials</i> , 1998 , 10, 1738-1741	9.6	61
64	Selectively-Permeable Ultrathin Film Composite Membranes Based on Molecularly-Imprinted Polymers. <i>Chemistry of Materials</i> , 1998 , 10, 1029-1033	9.6	52
63	Peer reviewed: nanomaterials in analytical chemistry. <i>Analytical Chemistry</i> , 1998 , 70, 322A-7A	7.8	154
62	Preparation and Stability of Template-Synthesized Metal Nanorod Sols in Organic Solvents. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 9985-9990	3.4	178
61	A Strategy for Separating and Recovering Aqueous Ions: Redox-Recyclable Ion-Exchange Materials Containing a Physisorbed, Redox-Active, Organometallic Complex. <i>Analytical Chemistry</i> , 1998 , 70, 757-765	7.8	11
60	Introducing Chemical Transport Selectivity into Gold Nanotubule Membranes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6603-6604	16.4	193
59	Fabrication and characterization of concentric-tubular composite micro- and nanostructures using the template-synthesis method. <i>Journal of Materials Research</i> , 1998 , 13, 3070-3080	2.5	48
58	Preparation and Characterization of Concentric-tubular Composite Microstructures Using the Template Synthesis Method. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 501, 143		
57	Template Synthesis of Polypyrrole-Coated Spinel LiMn ₂ O ₄ Nanotubules and Their Properties as Cathode Active Materials for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 1923-1927	3.9	180
56	Changes in the Shape and Optical Properties of Gold Nanoparticles Contained within Alumina Membranes Due to Low-Temperature Annealing. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 7727-7731	3.4	35

55	Unusual Gas-Transport Selectivity in a Partially Oxidized Form of the Conductive Polymer Polypyrrole. <i>Chemistry of Materials</i> , 1997 , 9, 560-566	9.6	35
54	Chemical Strategies for Template Syntheses of Composite Micro- and Nanostructures. <i>Chemistry of Materials</i> , 1997 , 9, 1065-1067	9.6	94
53	Sol-Gel Template Synthesis of Semiconductor Nanostructures. <i>Chemistry of Materials</i> , 1997 , 9, 857-862	9.6	574
52	Sol-Gel Template Synthesis of Semiconductor Oxide Micro- and Nanostructures. <i>Chemistry of Materials</i> , 1997 , 9, 2544-2550	9.6	631
51	Nanotubule-Based Molecular-Filtration Membranes. <i>Science</i> , 1997 , 278, 655-658	33.3	521
50	Chemical-Vapor Deposition-Based Template Synthesis of Microtubular TiS ₂ Battery Electrodes. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 4296-4302	3.9	91
49	A general template-based method for the preparation of nanomaterials. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1075-1087		933
48	Fabrication, Characterization, and Optical Properties of Gold Nanoparticle/Porous Alumina Composites: The Nonscattering Maxwell Garnett Limit. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 1548-1555	3.4	244
47	Enantioseparation using apoenzymes immobilized in a porous polymeric membrane. <i>Nature</i> , 1997 , 388, 758-60	50.4	160
46	Toward a molecular Coulter counter type device. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 431, 29-33	3.1	18
45	Membrane-Based Synthesis of Nanomaterials. <i>Chemistry of Materials</i> , 1996 , 8, 1739-1746	9.6	1322
44	Investigation of Molecular and Supermolecular Structure in Template-Synthesized Polypyrrole Tubules and Fibrils. <i>Chemistry of Materials</i> , 1996 , 8, 2382-2390	9.6	179
43	Ion-exchange voltammetry at polymer film-coated nanoelectrode ensembles. <i>Analytical Chemistry</i> , 1996 , 68, 4160-5	7.8	75
42	Template preparation of nanoelectrode ensembles. Achieving the pure-radial electrochemical-response limiting case. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 4029-4032		43
41	Enzyme and chemical encapsulation in polymeric microcapsules. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 875-886	2.9	37
40	High-pressure conductivity study of template synthesized poly pyrrole: Observation of a crossover from three-to one-dimensional variable range hopping. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995 , 71, 929-940		6
39	Fabrication and Evaluation of Nanoelectrode Ensembles. <i>Analytical Chemistry</i> , 1995 , 67, 1920-1928	7.8	618
38	Template Synthesis of Electronically Conductive Polymer Nanostructures. <i>Accounts of Chemical Research</i> , 1995 , 28, 61-68	24.3	813

37	Template synthesis of graphitic nanotubules*. <i>Advanced Materials</i> , 1995 , 7, 896-897	24	129
36	Plasma Polymerization of Sulfonated Fluorochlorocarbon Ionomer Films. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 2273-2279	3.9	25
35	Template synthesis of metal microtubule ensembles utilizing chemical, electrochemical, and vacuum deposition techniques. <i>Journal of Materials Research</i> , 1994 , 9, 1174-1183	2.5	134
34	Biosensors Based on Ultrathin Film Composite Membranes. <i>ACS Symposium Series</i> , 1994 , 158-168	0.4	2
33	Synthesis of polymeric microcapsule arrays and their use for enzyme immobilization. <i>Nature</i> , 1994 , 369, 298-301	50.4	278
32	Transition Metal Chelate-Fulleride Compounds: Electrocrystallization of Semiconducting [Ru (bpy) 3] (C 60) 2. <i>Journal of the Electrochemical Society</i> , 1993 , 140, L84-L86	3.9	20
31	Electrochemical fabrication of cadmium chalcogenide microdiode arrays. <i>Chemistry of Materials</i> , 1993 , 5, 902-904	9.6	214
30	A Simple Chemical Procedure for Extending the Conductive State of Polypyrrole to More Negative Potentials. <i>Journal of the Electrochemical Society</i> , 1993 , 140, 2754-2759	3.9	14
29	Chemical preparation of conductive polypyrrole/polytetrafluoroethene composites. <i>Polymers for Advanced Technologies</i> , 1993 , 4, 124-132	3.2	21
28	Influence of the sulfonate counteraction on the thermal stability of nafion perfluorosulfonate membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1993 , 31, 953-957	2.6	40
27	Near-IR Absorption Spectra for the Buckminsterfullerene Anions: an Experimental and Theoretical Study. <i>Journal of the Electrochemical Society</i> , 1992 , 139, L68-L71	3.9	117
26	Optical properties of composite membranes containing arrays of nanoscopic gold cylinders. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 7497-7499		173
25	Template Synthesis and Optical Properties of Small Metal Particle Composite Materials: Effects of Particle Shape and Orientation on Plasmon Resonance Maxima. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 286, 431		3
24	Concerted Ion and Electron Transfer Across Electronically Conductive Polymer Membranes. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 293, 153		
23	Temperature Dependence of the Electrode Kinetics of Oxygen Reduction at the Platinum/Nafion [®] Interface: A Microelectrode Investigation. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 2530-2537	3.9	553
22	Pressure Dependence of the Oxygen Reduction Reaction at the Platinum Microelectrode/Nafion [®] Interface: Electrode Kinetics and Mass Transport. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 2856-2862	3.9	172
21	Composite membranes from photochemical synthesis of ultrathin polymer films. <i>Nature</i> , 1991 , 352, 50-52	50.4	73
20	Investigations of the O ₂ Reduction Reaction at the Platinum/Nafion [®] Interface Using a Solid-State Electrochemical Cell. <i>Journal of the Electrochemical Society</i> , 1991 , 138, 916-921	3.9	220

19	Template synthesis of metal microtubules. <i>Journal of the American Chemical Society</i> , 1991 , 113, 3174-3175.	5.4	214
18	Electroreleasing Composite Membranes for Delivery of Insulin and Other Biomacromolecules. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 2005-2006	3.9	4
17	New Electrorelease Systems Based on Microporous Membranes. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 3789-3793	3.9	25
16	Electrochemical investigations of electronically conductive polymers. 4. Controlling the supermolecular structure allows charge transport rates to be enhanced. <i>Langmuir</i> , 1990 , 6, 1118-1123	4	101
15	Ion-Transporting Composite Membranes: III . Selectivity and Rate of Ion Transport in Nafion-Impregnated Gore-Tex Membranes Prepared by a High-Temperature Solution Casting Method. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 3114-3120	3.9	30
14	Template synthesis of organic microtubules. <i>Journal of the American Chemical Society</i> , 1990 , 112, 8976-8977.	7.4	182
13	Ion Transporting Composite Membranes: II . Ion Transport Mechanism in Nafion-Impregnated Gore-Tex Membranes. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 510-515	3.9	37
12	Measuring Conductivities of Highly Conductive Membranes. <i>Journal of the Electrochemical Society</i> , 1989 , 136, 3356-3361	3.9	3
11	Ion exchange voltammetry with electroactive ionomers. <i>Electroanalysis</i> , 1989 , 1, 93-95	3	15
10	Ultramicroelectrode ensembles. Comparison of experimental and theoretical responses and evaluation of electroanalytical detection limits. <i>Analytical Chemistry</i> , 1989 , 61, 762-766	7.8	79
9	Ultramicrodisk electrode ensembles prepared by incorporating carbon paste into a microporous host membrane. <i>Analytical Chemistry</i> , 1988 , 60, 2163-2165	7.8	45
8	Ionomer Film-Coated Electrodes as Electrochemical Sensors. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988 , 160, 359-376		
7	Preparation and electrochemical characterization of ultramicroelectrode ensembles. <i>Analytical Chemistry</i> , 1987 , 59, 2625-2630	7.8	250
6	Electronically Conductive Composite Polymer Membranes. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 310-315	3.9	76
5	Controlling the Morphology of Electronically Conductive Polymers. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 2206-2207	3.9	125
4	Ion Transporting Composite Membranes: I . Nafion-Impregnated Gore-Tex. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 514-515	3.9	64
3	Chemical Properties and Film Casting of Radiation-Grafted Ion Containing Polymers. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 1652-1657	3.9	6
2	The heterogeneous rate constant for the Ru(bpy) ₃ ^{3+/2+} couple at a glassy carbon electrode in aqueous solution. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983 , 151, 267-271		19

- 1 Current trends in ion-selective electrodes. *TrAC - Trends in Analytical Chemistry*, **1982**, 1, 175-179 14.6 4