

Charles R Martin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6021422/charles-r-martin-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Carbon nanotubule membranes for electrochemical energy storage and production. <i>Nature</i> , 1998 , 393, 346-349	50.4	1604
161	Membrane-Based Synthesis of Nanomaterials. <i>Chemistry of Materials</i> , 1996 , 8, 1739-1746	9.6	1322
160	A general template-based method for the preparation of nanomaterials. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1075-1087		933
159	Template Synthesis of Electronically Conductive Polymer Nanostructures. <i>Accounts of Chemical Research</i> , 1995 , 28, 61-68	24.3	813
158	The emerging field of nanotube biotechnology. <i>Nature Reviews Drug Discovery</i> , 2003 , 2, 29-37	64.1	670
157	Sol-gel Template Synthesis of Semiconductor Oxide Micro- and Nanostructures. <i>Chemistry of Materials</i> , 1997 , 9, 2544-2550	9.6	631
156	Fabrication and Evaluation of Nanoelectrode Ensembles. <i>Analytical Chemistry</i> , 1995 , 67, 1920-1928	7.8	618
155	Sol-gel Template Synthesis of Semiconductor Nanostructures. <i>Chemistry of Materials</i> , 1997 , 9, 857-862	9.6	574
154	Antibody-based bio-nanotube membranes for enantiomeric drug separations. <i>Science</i> , 2002 , 296, 2198-2003	39.3	559
153	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
152	Nanotubule-Based Molecular-Filtration Membranes. <i>Science</i> , 1997 , 278, 655-658	33.3	521
151	Protein biosensors based on biofunctionalized conical gold nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5000-1	16.4	452
150	Resistive-Pulse Sensing-From Microbes to Molecules. <i>Chemical Reviews</i> , 2000 , 100, 2575-2594	68.1	438
149	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
148	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
147	DNA-functionalized nanotube membranes with single-base mismatch selectivity. <i>Science</i> , 2004 , 305, 984-6	33.3	294
146	Synthesis of polymeric microcapsule arrays and their use for enzyme immobilization. <i>Nature</i> , 1994 , 369, 298-301	50.4	278

145	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
144	Preparation and electrochemical characterization of ultramicroelectrode ensembles. <i>Analytical Chemistry</i> , 1987 , 59, 2625-2630	7.8	250
143	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
142	Detecting single porphyrin molecules in a conically shaped synthetic nanopore. <i>Nano Letters</i> , 2005 , 5, 1824-9	11.5	241
141	Chemistry. Learning nature's way: biosensing with synthetic nanopores. <i>Science</i> , 2007 , 317, 331-2	33.3	233
140	DNA-nanotube artificial ion channels. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15646-7	16.4	229
139	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
138	Electroosmotic flow in template-prepared carbon nanotube membranes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12335-42	16.4	218
137	Electrochemical fabrication of cadmium chalcogenide microdiode arrays. <i>Chemistry of Materials</i> , 1993 , 5, 902-904	9.6	214
136	Template synthesis of metal microtubules. <i>Journal of the American Chemical Society</i> , 1991 , 113, 3174-3175	16.4	214
135	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
134	Introducing Chemical Transport Selectivity into Gold Nanotubule Membranes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6603-6604	16.4	193
133	Rate Capabilities of Nanostructured LiMn ₂ O ₄ Electrodes in Aqueous Electrolyte. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 2044	3.9	188
132	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
131	Template synthesis of organic microtubules. <i>Journal of the American Chemical Society</i> , 1990 , 112, 8976-8977	16.4	182
130	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
129	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
128	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

127	Resistive-pulse DNA detection with a conical nanopore sensor. <i>Langmuir</i> , 2006 , 22, 10837-43	4	177
126	Template-synthesized protein nanotubes. <i>Nano Letters</i> , 2005 , 5, 231-4	11.5	176
125	Optical properties of composite membranes containing arrays of nanoscopic gold cylinders. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 7497-7499		173
124	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
123	Investigations of the Transport Properties of Gold Nanotubule Membranes. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1925-1934	3.4	171
122	Developing synthetic conical nanopores for biosensing applications. <i>Molecular BioSystems</i> , 2007 , 3, 667-85		165
121	Effect of thiol chemisorption on the transport properties of gold nanotubule membranes. <i>Analytical Chemistry</i> , 1999 , 71, 4913-8	7.8	165
120	Enantioseparation using apoenzymes immobilized in a porous polymeric membrane. <i>Nature</i> , 1997 , 388, 758-60	50.4	160
119	pH-switchable, ion-permselective gold nanotubule membrane based on chemisorbed cysteine. <i>Analytical Chemistry</i> , 2001 , 73, 768-75	7.8	156
118	Peer reviewed: nanomaterials in analytical chemistry. <i>Analytical Chemistry</i> , 1998 , 70, 322A-7A	7.8	154
117	Layer-by-layer nanotube template synthesis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5674-516.4	51.6.4	136
116	Conical nanopore membranes: controlling the nanopore shape. <i>Small</i> , 2006 , 2, 194-8	11	135
115	Ion channel mimetic micropore and nanotube membrane sensors. <i>Analytical Chemistry</i> , 2002 , 74, 2416-27.8	27.8	134
114	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
113	Template synthesis of graphitic nanotubules*. <i>Advanced Materials</i> , 1995 , 7, 896-897	24	129
112	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
111	Template Synthesis of Nano Test Tubes. <i>Nano Letters</i> , 2004 , 4, 513-516	11.5	126
110	Controlling the Morphology of Electronically Conductive Polymers. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 2206-2207	3.9	125

109	Size-Based Protein Separations in Poly(ethylene glycol)-Derivatized Gold Nanotubule Membranes. <i>Nano Letters</i> , 2001 , 1, 495-498	11.5	123
108	A method for reproducibly preparing synthetic nanopores for resistive-pulse biosensors. <i>Small</i> , 2007 , 3, 1424-30	11	118
107	Conical nanopore membranes. Preparation and transport properties. <i>Analytical Chemistry</i> , 2004 , 76, 2025-30		118
106	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
105	Template-synthesized DNA nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8586-7	16.4	113
104	Nanomedicine: a great first year and, with your help, a bright future ahead. <i>Nanomedicine</i> , 2007 , 2, 265-266		107
103	Voltage-Rectified Current and Fluid Flow in Conical Nanopores. <i>Accounts of Chemical Research</i> , 2016 , 49, 2605-2613	24.3	107
102	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
101	Electromodulated molecular transport in gold-nanotube membranes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11850-1	16.4	98
100	Synthetic single-nanopore and nanotube membranes. <i>Analytical Chemistry</i> , 2003 , 75, 6861-7	7.8	97
99	Biosensing with conically shaped nanopores and nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 4976-88	3.6	95
98	Chemical Strategies for Template Syntheses of Composite Micro- and Nanostructures. <i>Chemistry of Materials</i> , 1997 , 9, 1065-1067	9.6	94
97	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
96	Corking nano test tubes by chemical self-assembly. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4236-7	16.4	86
95	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
94	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
93	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
92	Conical nanopore membranes: solvent shaping of nanopores. <i>Nanotechnology</i> , 2006 , 17, 3951-3956	3.4	77

91	Electronically Conductive Composite Polymer Membranes. <i>Journal of the Electrochemical Society</i> , 1986 , 133, 310-315	3.9	76
90	Ion-exchange voltammetry at polymer film-coated nanoelectrode ensembles. <i>Analytical Chemistry</i> , 1996 , 68, 4160-5	7.8	75
89	Composite membranes from photochemical synthesis of ultrathin polymer films. <i>Nature</i> , 1991 , 352, 50-52	10.4	73
88	Nano Wheat Fields Prepared by Plasma-Etching Gold Nanowire-Containing Membranes. <i>Nano Letters</i> , 2003 , 3, 815-818	11.5	69
87	Biomaterials and Biotechnologies Based on Nanotube Membranes. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2005 , 30, 183-205	10.1	68
86	Template synthesized gold nanotube membranes for chemical separations and sensing. <i>Analyst, The</i> , 2002 , 127, 871-9	5	68
85	An Alternating Current Electroosmotic Pump Based on Conical Nanopore Membranes. <i>ACS Nano</i> , 2016 , 10, 4637-43	16.7	65
84	Ion Transporting Composite Membranes: I. Nafion-Impregnated Gore-Tex. <i>Journal of the Electrochemical Society</i> , 1985 , 132, 514-515	3.9	64
83	Highly sensitive methods for electroanalytical chemistry based on nanotubule membranes. <i>Analytical Chemistry</i> , 1999 , 71, 3665-72	7.8	63
82	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
81	Nitrate Biosensor Based on the Ultrathin-Film Composite Membrane Concept. <i>Analytical Chemistry</i> , 1998 , 70, 2163-2166	7.8	61
80	Toward Colloidal Dispersions of Template-Synthesized Polypyrrole Nanotubules. <i>Chemistry of Materials</i> , 1998 , 10, 1738-1741	9.6	61
79	Template synthesized nanotubes for biomedical delivery applications. <i>Nanomedicine</i> , 2006 , 1, 39-50	5.6	60
78	Electroosmotic flow rectification in pyramidal-pore mica membranes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2118-9	16.4	59
77	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
76	Template-synthesized nanotubes for chemical separations and analysis. <i>Chemistry - A European Journal</i> , 2002 , 8, 3572-8	4.8	54
75	Selectively-Permeable Ultrathin Film Composite Membranes Based on Molecularly-Imprinted Polymers. <i>Chemistry of Materials</i> , 1998 , 10, 1029-1033	9.6	52
74	Controlling the Transport Properties of Gold Nanotubule Membranes Using Chemisorbed Thiols. <i>Chemistry of Materials</i> , 2001 , 13, 3236-3244	9.6	50

73	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
72	Template synthesis of gold nanotubes in an anodic alumina membrane. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 605-10	1.3	48
71	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
70	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
69	Ultramicrodisk electrode ensembles prepared by incorporating carbon paste into a microporous host membrane. <i>Analytical Chemistry</i> , 1988 , 60, 2163-2165	7.8	45
68	Drug-delivery strategies by using template-synthesized nanotubes. <i>Chemistry - A European Journal</i> , 2011 , 17, 6296-302	4.8	43
67	A Nanostructured Honeycomb Carbon Anode. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A979	3.9	43
66	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
65	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
64	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
63	Nanomaterial Preparation by Extrusion through Nanoporous Membranes. <i>Small</i> , 2018 , 14, e1703493	11	39
62	Microfluidic capture and release of bacteria in a conical nanopore array. <i>Lab on A Chip</i> , 2012 , 12, 558-61	7.2	38
61	Enzyme and chemical encapsulation in polymeric microcapsules. <i>Journal of Applied Polymer Science</i> , 1996 , 62, 875-886	2.9	37
60	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
59	Molecular sieving and sensing with gold nanotube membranes. <i>Chemical Record</i> , 2002 , 2, 259-67	6.6	36
58	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
57	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
56	Resistive-pulse detection of short dsDNAs using a chemically functionalized conical nanopore sensor. <i>Nanomedicine</i> , 2008 , 3, 787-96	5.6	33

55	Voltage charging enhances ionic conductivity in gold nanotube membranes. <i>ACS Nano</i> , 2014 , 8, 8266-72	16.7	30
54	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
53	Controlling the length of conical pores etched in ion-tracked poly(ethylene terephthalate) membranes. <i>Small</i> , 2009 , 5, 2474-9	11	29
52	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
51	From Ion Current to Electroosmotic Flow Rectification in Asymmetric Nanopore Membranes. <i>Nanomaterials</i> , 2017 , 7,	5.4	26
50	Electroactive nanotube membranes and redox-gating. <i>Small</i> , 2007 , 3, 266-70	11	25
49	Nanowell-array surfaces. <i>Small</i> , 2005 , 1, 69-72	11	25
48	Plasma Polymerization of Sulfonated Fluorochlorocarbon Ionomer Films. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 2273-2279	3.9	25
47	New Electrorelease Systems Based on Microporous Membranes. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 3789-3793	3.9	25
46	Electrokinetic DNA transport in a nanopore membrane. <i>Electrochimica Acta</i> , 2004 , 49, 847-850	6.7	23
45	Antibody-functionalized nano test tubes target breast cancer cells. <i>Nanomedicine</i> , 2008 , 3, 283-92	5.6	22
44	Plasma-etched nanopore polymer films and their use as templates to prepare "nano test tubes". <i>Small</i> , 2007 , 3, 106-10	11	21
43	Chemical preparation of conductive polypyrrole/polytetrafluoroethene composites. <i>Polymers for Advanced Technologies</i> , 1993 , 4, 124-132	3.2	21
42	Preparing amorphous hydrophobic drug nanoparticles by nanoporous membrane extrusion. <i>Nanomedicine</i> , 2013 , 8, 333-41	5.6	20
41	Materials science. Expanding the molecular electronics toolbox. <i>Science</i> , 2005 , 309, 67-8	33.3	20
40	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
39	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
38	Toward a molecular Coulter counter type device. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 431, 29-31		18

37	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
36	Template synthesis of carbon nanotubes with diamond-shaped cross sections. <i>Small</i> , 2007 , 3, 1718-22	11	16
35	Welcome to Nanomedicine. <i>Nanomedicine</i> , 2006 , 1, 5-5	5.6	16
34	Smart nanotubes for biomedical and biotechnological applications. <i>Drug News and Perspectives</i> , 2003 , 16, 566-73		16
33	Ion exchange voltammetry with electroactive ionomers. <i>Electroanalysis</i> , 1989 , 1, 93-95	3	15
32	Chemoresponsive Nanofluidic Pump That Turns Off in the Presence of Lead Ion. <i>Analytical Chemistry</i> , 2018 , 90, 7715-7720	7.8	15
31	An electrochemically driven actuator based on a nanostructured carbon material. <i>Analytical Chemistry</i> , 1999 , 71, 3187-91	7.8	14
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	Nanowell-array surfaces prepared by argon plasma etching through a nanopore alumina mask. <i>Langmuir</i> , 2005 , 21, 8429-38	4	12
28	Electrochemical Preparation and Characterization of an Anion-Permselective Composite Membrane for Sensor Technology. <i>Electroanalysis</i> , 1998 , 10, 1168-1173	3	11
27	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
26	Chemical Sensing and Chemoresponsive Pumping with Conical-Pore Polymeric Membranes. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
25	Low-Voltage Flow-Through Electroporation in Gold-Microtube Membranes. <i>Analytical Chemistry</i> , 2016 , 88, 12445-12452	7.8	8
24	The Effect of Voltage Charging on the Transport Properties of Gold Nanotube Membranes. <i>Small</i> , 2018 , 14, e1703290	11	6
23	TRANSPORT PROPERTIES OF TEMPLATE-SYNTHESIZED GOLD AND CARBON NANOTUBE MEMBRANES. <i>International Journal of Nanoscience</i> , 2002 , 01, 255-268	0.6	6
22	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
21	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
20	Nanomaterials in Li-Ion Battery Electrode Design. <i>Modern Aspects of Electrochemistry</i> , 2007 , 75-126		6

19	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
18	COMPARISON OF THE LIPOPHILIC REDOX-RECYCLABLE EXTRACTANT[Fe(β -C ₅ H ₃ (s-C ₇ H ₁₅) ₂) ₂][NO ₃] WITH [N(n-C ₇ H ₁₅) ₄][NO ₃] FOR LIQUID-LIQUID ANION-EXCHANGE OF AQUEOUS ⁹⁹ TcO ₄ <i>Solvent Extraction and Ion Exchange</i> , 1999 , 17, 553-584	2.5	5
17	Electroreleasing Composite Membranes for Delivery of Insulin and Other Biomacromolecules. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 2005-2006	3.9	4
16	Current trends in ion-selective electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 1982 , 1, 175-179	14.6	4
15	Biosensing with Nanopores and Nanotubes 2011 , 165-207		3
14	Deposition into Templates. <i>Nanostructure Science and Technology</i> , 2009 , 279-320	0.9	3
13	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
12	Measuring Conductivities of Highly Conductive Membranes. <i>Journal of the Electrochemical Society</i> , 1989 , 136, 3356-3361	3.9	3
11	Biosensors Based on Ultrathin Film Composite Membranes. <i>ACS Symposium Series</i> , 1994 , 158-168	0.4	2
10	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
9	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
8	Imaging Cycle-Induced Damage of MnO ₂ Microparticles. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 132501	3.9	1
7	Low-Voltage Flow-Through Electroporation Membrane and Method. <i>Methods in Molecular Biology</i> , 2020 , 2050, 43-55	1.4	1
6	Preparation and Characterization of Concentric-tubular Composite Microstructures Using the Template Synthesis Method. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 501, 143		
5	Nanotube Membranes for Biotechnology 2008 , 397-431		
4	Concerted Ion and Electron Transfer Across Electronically Conductive Polymer Membranes. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 293, 153		
3	Ionomer Film-Coated Electrodes as Electrochemical Sensors. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988 , 160, 359-376		
2	Electrochemical Analysis of Solutions Confined within Single-Digit Nanopores. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-02, 1811-1811	0	

- 1 Nanotube-Based Membrane Systems **2017**, 97-126