

Hidetoshi Matsumoto

List of Publications by Year in descending order

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183
papers

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citations

109264

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docs citations

191
times ranked

4917
citing authors

#	ARTICLE	IF	CITATIONS
1	[2+2] Cycloaddition-retroelectrocyclization reactivity and thin film transistor performances of carbazole-based platinum polyyne polymers. <i>Materials Chemistry and Physics</i> , 2022, 281, 125861.	2.0	3
2	Emerging Functions of Porous Separation Membranes Based on Nanofibers and Nanomaterials. <i>Membrane</i> , 2021, 46, 215-219.	0.0	0
3	Absence of HOMO/LUMO Transition in Charge-Transfer Complexes of Thienoacenes. <i>Journal of Physical Chemistry A</i> , 2021, 125, 146-153.	1.1	11
4	Updating Online Meeting 1/2 Toward the 2021 Annual Meeting. <i>Journal of Fiber Science and Technology</i> , 2021, 77, P-149-P-149.	0.0	0
5	Cross-Linking of Poly(arylenebutadiynylene)s and Its Effect on Charge Carrier Mobilities in Thin-Film Transistors. <i>Macromolecules</i> , 2021, 54, 4351-4362.	2.2	4
6	Low-temperature graphitization of poly(acrylonitrile) densely grafted onto a silica core surface. <i>Polymer</i> , 2021, 225, 123768.	1.8	1
7	Preparation of Perfluorosulfonated Ionomer Nanofibers by Solution Blow Spinning. <i>Membranes</i> , 2021, 11, 389.	1.4	8
8	Microstructure Investigation of Polymer Electrolyte Fuel Cell Catalyst Layers Containing Perfluorosulfonated Ionomer. <i>Membranes</i> , 2021, 11, 466.	1.4	2
9	Persistent Water Repellency of Syndiotactic Polymethylene with Perfluoroethyl Hexyloxycarbonyl Side Chains. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100311.	2.0	3
10	Tension Sensor Based on Fluorescence Resonance Energy Transfer Reveals Fiber Diameter-Dependent Mechanical Factors During Myelination. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 685044.	1.8	0
11	De Novo Ion-Exchange Membranes Based on Nanofibers. <i>Membranes</i> , 2021, 11, 652.	1.4	7
12	Effect of hydrogen-deuterium exchange in amide linkages on properties of electrospun polyamide nanofibers. <i>Polymer</i> , 2021, 229, 123994.	1.8	5
13	Tuning the Charge Carrier Polarity of Organic Transistors by Varying the Electron Affinity of the Flanked Units in Diketopyrrolopyrrole-Based Copolymers. <i>Advanced Functional Materials</i> , 2020, 30, 1907452.	7.8	45
14	Diketopyrrolopyrrole-thiophene-methoxythiophene based random copolymers for organic field effect transistor applications. <i>Organic Electronics</i> , 2020, 87, 105986.	1.4	22
15	Quinoidal bithienoisatin based semiconductors: Synthesis, characterization, and carrier transport property. <i>Nano Select</i> , 2020, 1, 334-345.	1.9	2
16	Diketopyrrolopyrrole-Based Dual-Acceptor Copolymers to Realize Tunable Charge Carrier Polarity of Organic Field-Effect Transistors and High-Performance Nonvolatile Ambipolar Flash Memories. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1609-1618.	2.0	21
17	High-Quality Nanofibrous Nonwoven Air Filters: Additive Effect of Water-Jet Nanofibrillated Celluloses on Their Performance. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2830-2838.	2.0	18
18	Mesoporous Hydrated Graphene Nanoribbon Electrodes for Efficient Supercapacitors: Effect of Nanoribbon Dispersion on Pore Structure. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1268-1274.	2.0	18

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19	Ambipolar organic field-effect transistors based on N-Unsubstituted thienoisindigo derivatives. <i>Dyes and Pigments</i> , 2020, 180, 108418.	2.0	11
20	Bulky Phenylalkyl Substitutions to Bisthienoisatins and Thienoisindigos. <i>Crystal Growth and Design</i> , 2020, 20, 3293-3303.	1.4	3
21	Direct Laser Writing of Graphene Nanoribbon Thin Films for Supercapacitor Electrodes. <i>Electrochemistry</i> , 2020, 88, 413-417.	0.6	0
22	Effect of Reaction Products on the PEFC Catalyst Ink Property and Catalyst Layer Quality. <i>ECS Transactions</i> , 2020, 98, 61-65.	0.3	2
23	Effect of Reaction Products on the PEFC Catalyst Ink Property and Catalyst Layer Quality. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2137-2137.	0.0	0
24	Tuning Backbone Planarity in Thiadiazolobenzotriazole-Bis(thienothiophenyl)ethylene Copolymers for Organic Field-Effect Transistors. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2302-2312.	2.0	10
25	Organic Liquid Impregnation Behavior into Nanofibrous Membranes: Quantitative Analysis of the Effects of Structural Parameters. <i>ACS Omega</i> , 2019, 4, 15856-15861.	1.6	2
26	Significant Improvement of Unipolar n-Type Transistor Performances by Manipulating the Coplanar Backbone Conformation of Electron-Deficient Polymers via Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2019, 141, 3566-3575.	6.6	142
27	Ink Degradation and Its Effects on the Crack Formation of Fuel Cell Catalyst Layers. <i>Journal of the Electrochemical Society</i> , 2019, 166, F89-F92.	1.3	24
28	Significant Difference in Semiconducting Properties of Isomeric All- π -Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11893-11902.	7.2	68
29	Significant Difference in Semiconducting Properties of Isomeric All- π -Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie</i> , 2019, 131, 12019-12028.	1.6	7
30	Dual Imide-Functionalized Unit-Based Regioregular A ₁ -A ₂ Polymers for Efficient Unipolar n-Channel Organic Transistors and All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22583-22594.	4.0	35
31	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. <i>ACS Applied Electronic Materials</i> , 2019, 1, 764-771.	2.0	8
32	Structure-sound absorption property relationships of electrospun thin silica fiber sheets: Quantitative analysis based on acoustic models. <i>Applied Acoustics</i> , 2019, 152, 13-20.	1.7	31
33	Fluorination and chlorination effects on quinoxalineimides as an electron-deficient building block for n-channel organic semiconductors. <i>RSC Advances</i> , 2019, 9, 10807-10813.	1.7	5
34	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 542-551.	2.0	14
35	Temperature dependence of pressure-driven water permeation through membranes consisting of vertically-aligned double-walled carbon nanotube arrays. <i>Carbon</i> , 2019, 146, 785-788.	5.4	6
36	Assembly of reduced graphene oxides into a three-dimensional porous structure <i>via</i> confinement within robust cellulose oligomer networks. <i>RSC Advances</i> , 2019, 9, 38848-38854.	1.7	7

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37	Uniaxial alignment of nematic liquid crystals filling vacant spaces in surface-treated nanofibre nonwoven. <i>Liquid Crystals</i> , 2019, 46, 1241-1245.	0.9	1
38	Alteration and degradation reaction in fuel cell catalyst ink fabrication. <i>The Proceedings of the Thermal Engineering Conference</i> , 2019, 2019, 0162.	0.0	0
39	High-performance channel Organic Transistors Using High-molecular-weight Electron-deficient Copolymers and Amine-tailed Self-assembled Monolayers. <i>Advanced Materials</i> , 2018, 30, e1707164.	11.1	97
40	Large-area, transferable sub-10 nm polymer membranes at the air-water interface. <i>Nano Research</i> , 2018, 11, 3833-3843.	5.8	2
41	Composite poly(ethylene carbonate) electrolytes with electrospun silica nanofibers. <i>Polymers for Advanced Technologies</i> , 2018, 29, 820-824.	1.6	12
42	Structure-Property Relationships of Random Aromatic Copolyamide Membranes by the Partial Methylation of Amide Linkages. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700522.	1.1	2
43	Nanofibers as novel platform for high-functional ion exchangers. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2791-2803.	1.6	23
44	Enhancing water flux through semipermeable polybenzimidazole membranes by adding surfactant-treated CNTs. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45875.	1.3	6
45	Temperature compensation of pressure-sensitive luminescent polymer sensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1960-1966.	4.0	16
46	Ink Degradation Phenomena and Its Impact on Crack Formation of Fuel Cell Catalyst. <i>ECS Transactions</i> , 2018, 86, 151-156.	0.3	2
47	Investigation of Drying Process of Catalyst Ink for Polymer Electrolyte Fuel Cells by Grazing-Incidence X-Ray Scattering. <i>ECS Transactions</i> , 2018, 86, 157-161.	0.3	3
48	Polyelectrolyte Composite Membranes Containing Electrospun Ion-Exchange Nanofibers: Effect of Nanofiber Surface Charges on Ionic Transport. <i>Langmuir</i> , 2018, 34, 13035-13040.	1.6	16
49	High-performance structure of a coil-shaped soft-actuator consisting of polymer threads and carbon nanotube yarns. <i>AIP Advances</i> , 2018, 8, .	0.6	8
50	Direct Observation and Quantitative Analysis of the Fiber Formation Process during Electrospinning by a High-Speed Camera. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12122-12126.	1.8	18
51	Investigation of Drying Process of Catalyst Ink for Polymer Electrolyte Fuel Cells By Grazing-Incidence X-Ray Scattering. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	1
52	Endeavors towards Function Exploration of Nanofibrous Materials. <i>Journal of Fiber Science and Technology</i> , 2018, 74, P-39-P-43.	0.0	0
53	Ink Degradation Phenomena and Its Impact on Crack Formation of Fuel Cell Catalyst. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
54	Trial Manufacture of Nanofibers Made from a Main-Chain Liquid-Crystalline Elastomer Composed of Bibenzoate Mesogens. <i>Journal of Fiber Science and Technology</i> , 2018, 74, 89-94.	0.2	0

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55	Bioinspired Microenvironments: Rational Design of High-Mobility Semicrystalline Conjugated Polymers with Tunable Charge Polarity: Beyond Benzobisthiadiazole-Based Polymers (Adv. Funct. Tj ETQq1 1 0.784314 rgBT φOverloc		
56	Manganese dioxide nanowires on carbon nanofiber frameworks for efficient electrochemical device electrodes. RSC Advances, 2017, 7, 12351-12358.	1.7	21
57	Ionic Liquid-Based Electrolytes Containing Surface-Functionalized Inorganic Nanofibers for Quasisolid Lithium Batteries. ACS Omega, 2017, 2, 835-841.	1.6	19
58	N-Unsubstituted thienoisindigos: preparation, molecular packing and ambipolar organic field-effect transistors. Journal of Materials Chemistry C, 2017, 5, 2509-2512.	2.7	25
59	Water transport phenomena through membranes consisting of vertically-aligned double-walled carbon nanotube array. Carbon, 2017, 120, 358-365.	5.4	31
60	Thiadiazole-fused Quinoxalineimide as an Electron-deficient Building Block for N-type Organic Semiconductors. Organic Letters, 2017, 19, 3275-3278.	2.4	25
61	Organic Transistors: D-A1-D-A2 Backbone Strategy for Benzobisthiadiazole Based n-Channel Organic Transistors: Clarifying the Selenium-Substitution Effect on the Molecular Packing and Charge		

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73	Semipermeable membranes based on polybenzimidazole: Simultaneous improvement in water flux and salt rejection by facile cross-linking. <i>Desalination</i> , 2016, 395, 1-7.	4.0	11
74	Ambipolar organic transistors based on isoindigo derivatives. <i>Organic Electronics</i> , 2016, 35, 95-100.	1.4	33
75	Optical Waveguide Biosensors for Highly Sensitive and High-Throughput Applications. <i>MRS Advances</i> , 2016, 1, 755-760.	0.5	5
76	ESA-CF Synthesis of Linear and Cyclic Polymers Having Densely Appended Perylene Units and Topology Effects on Their Thin-Film Electron Mobility. <i>Macromolecules</i> , 2016, 49, 5831-5840.	2.2	13
77	Influence of structure-property relationships of two structural isomers of thiophene-flanked diazaisoindigo on carrier-transport properties. <i>RSC Advances</i> , 2016, 6, 109434-109441.	1.7	10
78	An ultra-narrow bandgap derived from thienoisindigo polymers: structural influence on reducing the bandgap and self-organization. <i>Polymer Chemistry</i> , 2016, 7, 1181-1190.	1.9	42
79	Triggered Structural Control of Dynamic Covalent Aromatic Polyamides: Effects of Thermal Reorganization Behavior in Solution and Solid States. <i>Macromolecules</i> , 2016, 49, 2153-2161.	2.2	14
80	Observation and Analysis of Nafion Solution By Frozen TEM Technology. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
81	The Origin of Low-Energy Gap Derived from Thienoisindigo-Based Polymers. <i>Journal of Fiber Science and Technology</i> , 2016, 72, P-337-P-338.	0.0	0
82	Time-Resolved Nanostructural Analysis of Thin-Film Formation Process from Nafion Solution by Synchrotron X-Ray Scattering. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
83	Forefront of Nanofibers: High Strength Fibers and Optoelectronic Applications. , 2016, , 313-323.		1
84	Effect of primary structure on permselectivity of ultrathin semipermeable polybenzimidazole membrane. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
85	Enhancement of Salt Rejection and Water Flux by Crosslinking-Induced Microstructure Change of N-substituted Polybenzimidazole Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1745, 16.	0.1	1
86	Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. <i>Chemistry Letters</i> , 2015, 44, 1128-1130.	0.7	5
87	Simulation Study on Optical Absorption Property of Fiber- and Fabric-Shaped Organic Thin-Film Solar Cells with Resin Sealing Layer. <i>Journal of Fiber Science and Technology</i> , 2015, 71, 121-126.	0.0	5
88	Highly Sensitive Local Surface Plasmon Resonance in Anisotropic Au Nanoparticles Deposited on Nanofibers. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	1.5	4
89	Differentiation of chemical reaction activity of various carbon nanotubes using redox potential: Classification by physical and chemical structures. <i>Carbon</i> , 2015, 95, 302-308.	5.4	8
90	Design and structure-property relationship of benzothienoisindigo in organic field effect transistors. <i>RSC Advances</i> , 2015, 5, 61035-61043.	1.7	36

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91	An iodine effect in ambipolar organic field-effect transistors based on indigo derivatives. Journal of Materials Chemistry C, 2015, 3, 8612-8617.	2.7	32
92	New Semiconducting Polymers Based on Benzobisthiadiazole Analogues: Tuning of Charge Polarity in Thin Film Transistors via Heteroatom Substitution. Macromolecules, 2015, 48, 4012-4023.	2.2	54
93	A Quaternary Poly(ethylene carbonate)-Lithium Bis(trifluoromethanesulfonyl)imide-Ionic Liquid-Silica Fiber Composite Polymer Electrolyte for Lithium Batteries. Electrochimica Acta, 2015, 175, 134-140.	2.6	73
94	Filling the Gaps between Graphene Oxide: A General Strategy toward Nanolayered Oxides. Advanced Functional Materials, 2015, 25, 5683-5690.	7.8	31
95	Radical scavenging reaction kinetics with multiwalled carbon nanotubes. Carbon, 2015, 83, 232-239.	5.4	21
96	Ambipolar Organic Field-Effect Transistors Based on Indigo Derivatives. Engineering Journal, 2015, 19, 61-74.	0.5	7
97	Improvement in semipermeable membrane performance of wholly aromatic polyamide through an additive processing strategy. Journal of Polymer Science Part A, 2014, 52, 1275-1281.	2.5	11
98	Facile fabrication of transparent and conductive nanowire networks by wet chemical etching with an electrospun nanofiber mask template. Materials Letters, 2014, 115, 187-189.	1.3	54
99	The impact of molecular planarity on electronic devices in thienoisindigo-based organic semiconductors. Journal of Materials Chemistry C, 2014, 2, 10455-10467.	2.7	35
100	High performance ambipolar organic field-effect transistors based on indigo derivatives. Journal of Materials Chemistry C, 2014, 2, 9311-9317.	2.7	80
101	Ion-conductive and mechanical properties of polyether/silica thin fiber composite electrolytes. Reactive and Functional Polymers, 2014, 81, 40-44.	2.0	13
102	Preparation of Perfluorosulfonate Ionomeric Hollow Thin Fibers by Two-Fluid Electrospinning. Kobunshi Ronbunshu, 2014, 71, 319-324.	0.2	3
103	Design of Fullerene-Free Electron-Acceptor Materials Containing Perylenediimide Units for Solution-Processed Organic Electronic Devices. Bulletin of the Chemical Society of Japan, 2014, 87, 1083-1093.	2.0	3
104	Effect of <i>N</i> -methyl amide linkage on hydrogen bonding behavior and water transport properties of partially <i>N</i> -methylated random aromatic copolyamides. Journal of Polymer Science Part A, 2014, 52, n/a-n/a.	2.5	2
105	Electrospun Composite Nanofiber Yarns Containing Oriented Graphene Nanoribbons. ACS Applied Materials & Interfaces, 2013, 5, 6225-6231.	4.0	83
106	A highly conducting organic metal derived from an organic-transistor material: benzothienobenzothiophene. Physical Chemistry Chemical Physics, 2013, 15, 17818.	1.3	27
107	Structure changes during tensile deformation and mechanical properties of a twisted carbon nanotube yarn. Carbon, 2013, 60, 193-201.	5.4	22
108	Correlation of mobility and molecular packing in organic transistors based on cycloalkyl naphthalene diimides. Journal of Materials Chemistry C, 2013, 1, 5395.	2.7	45

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109	Synthesis of transparent and thermally stable polycyanurates and their thermal rearrangement. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3950-3955.	2.5	6
110	Optical Nanofibers. , 2013, , 1-4.		1
111	ROS evaluation for a series of CNTs and their derivatives using an ESR method with DMPO. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012029.	0.3	14
112	Electrochemical Properties of Sulfonated Syndiotactic Polystyrene Membranes. <i>Kobunshi Ronbunshu</i> , 2013, 70, 102-107.	0.2	1
113	Shape-memory properties of electrospun non-woven fabrics prepared from degradable polyesterurethanes containing poly(ϵ -pentadecalactone) hard segments. <i>European Polymer Journal</i> , 2012, 48, 1866-1874.	2.6	51
114	Nanosize effects of sulfonated carbon nanofiber fabrics for high capacity ion-exchanger. <i>RSC Advances</i> , 2012, 2, 3109.	1.7	29
115	Solution-Processed Nanowire Coating for Light Management in Organic Solar Cells. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-7.	1.5	5
116	Preparation of poly(β -benzyl-L-glutamate) nanofibers by electrospinning from isotropic and biphasic liquid crystal solutions. <i>Polymer Journal</i> , 2012, 44, 360-365.	1.3	9
117	Improved stability of organic field-effect transistor performance in oligothiophenes including β -isomers. <i>Tetrahedron</i> , 2012, 68, 2790-2798.	1.0	10
118	Current Status and Future Prospects on Nanofibers' Technology Development. <i>Seikei-Kakou</i> , 2012, 24, 121-126.	0.0	0
119	Top-Down Process Based on Electrospinning, Twisting, and Heating for Producing One-Dimensional Carbon Nanotube Assembly. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 469-475.	4.0	45
120	Enhancing the Effect of the Nanofiber Network Structure on Thermoresponsive Wettability Switching. <i>Langmuir</i> , 2011, 27, 14716-14720.	1.6	24
121	Molecularly imprinted nanofiber membranes. <i>Current Opinion in Chemical Engineering</i> , 2011, 1, 18-26.	3.8	36
122	Functionality in Electrospun Nanofibrous Membranes Based on Fiber's Size, Surface Area, and Molecular Orientation. <i>Membranes</i> , 2011, 1, 249-264.	1.4	168
123	Light scattering assisted surface plasmon resonance at electrospun nanofiber-coated gold surfaces. <i>Applied Physics Letters</i> , 2011, 98, 241109.	1.5	13
124	Inkjet Printing of Graphene Nanoribbons for Organic Field-Effect Transistors. <i>Applied Physics Express</i> , 2011, 4, 115101.	1.1	14
125	Nanofibrous Membranes – Preparation and Application of Electrospun Membranes –. <i>Membrane</i> , 2010, 35, 113-118.	0.0	1
126	Control over Internal Structure of Liquid Crystal Polymer Nanofibers by Electrospinning. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1641-1645.	2.0	36

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127	Development of β^2 -linked quaterthiophene and tetrathiafulvalene dimers as new organic semiconductors. <i>Physica B: Condensed Matter</i> , 2010, 405, S373-S377.	1.3	3
128	Nanomaterial-Enhanced All-Solid Flexible Zinc ²⁺ Carbon Batteries. <i>ACS Nano</i> , 2010, 4, 2730-2734.	7.3	148
129	Antimicrobial Activity of Ultra-fine Fiber Nonwoven Fabrics Produced by Electrospinning. <i>Seikei-Kakou</i> , 2009, 21, 287-290.	0.0	2
130	Electrospun Nanofiber Networks for Electronics and Optics. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1240, 1.	0.1	3
131	Efficient Carbon Nanotube Field Emitter using Electrospun Carbon Nanofibers as a Flexible Electrode. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1173, 7.	0.1	0
132	PVDF/PMMA composite nanofiber fabricated by electrospray deposition: Crystallization of PVDF induced by solvent extraction of PMMA component. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1868-1872.	1.3	13
133	Insulin adsorption into porous charged membranes: Effect of the electrostatic interaction. <i>Biotechnology Progress</i> , 2009, 25, 1115-1121.	1.3	4
134	Insulin transport across porous charged membranes: Effect of the electrostatic interaction. <i>Biotechnology Progress</i> , 2009, 25, 1379-1386.	1.3	5
135	Simulation study on the influence of an electric field on water evaporation. <i>Computational and Theoretical Chemistry</i> , 2009, 904, 83-90.	1.5	56
136	Preparation of PVDF/PMMA Blend Nanofibers by Electro Spray Deposition: Effects of Blending Ratio and Humidity. <i>Polymer Journal</i> , 2009, 41, 402-406.	1.3	27
137	Phenolic Resin-Based Carbon Thin Fibers Prepared by Electrospinning: Additive Effects of Poly(vinyl Tj ETQq1 1 0.784314 rgBJ/Overlo	1.3	33
138	Synthesis and characterization of carbon nanotube grown on flexible and conducting carbon fiber sheet for field emitter. <i>Diamond and Related Materials</i> , 2009, 18, 341-344.	1.8	9
139	Polyelectrolyte membranes based on hydrocarbon polymer containing fullerene. <i>Journal of Power Sources</i> , 2008, 176, 16-22.	4.0	43
140	Fine structure of PVDF nanofiber fabricated by electrospray deposition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 558-563.	2.4	31
141	Characterization of Insulin Adsorption Behavior on Amphoteric Charged Membranes. <i>Polymer Journal</i> , 2008, 40, 837-841.	1.3	14
142	ZnO Nanowire and WS_2 Nanotube Electronics. <i>IEEE Transactions on Electron Devices</i> , 2008, 55, 2988-3000.	1.6	35
143	Carbon nanotubes on carbon fabrics for flexible field emitter arrays. <i>Applied Physics Letters</i> , 2008, 93, 053107.	1.5	14
144	Photoelectrochemical cell using dye sensitized zinc oxide nanowires grown on carbon fibers. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	76

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145	Control over Color of Nanotextured Coatings by Electro spray Deposition. Journal of Fiber Science and Technology, 2008, 64, 1-4.	0.0	10
146	Control over wettability of textured surfaces by electro spray deposition. Journal of Applied Polymer Science, 2007, 103, 3811-3817.	1.3	35
147	Molecularly Imprinted Nanofiber Membranes from Carboxylated Polysulfone by Electro spray Deposition. Macromolecular Rapid Communications, 2007, 28, 2100-2105.	2.0	45
148	Membrane potential across reverse osmosis membranes under pressure gradient. Journal of Colloid and Interface Science, 2007, 309, 272-278.	5.0	24
149	Characterization of chitosan nanofiber fabric by electro spray deposition: Electrokinetic and adsorption behavior. Journal of Colloid and Interface Science, 2007, 310, 678-681.	5.0	45
150	Formation of β -Phase Crystalline Structure of PVDF Nanofiber by Electro spray Deposition: Additive Effect of Ionic Fluorinated Surfactant. Polymer Journal, 2007, 39, 670-674.	1.3	50
151	Preparation of Porous PVDF Nanofiber from PVDF/PVP Blend by Electro spray Deposition. Polymer Journal, 2007, 39, 1060-1064.	1.3	33
152	Preparation of Carbon Fiber Fabrics from Phenolic Resin by Electro spray Deposition. Polymer Journal, 2007, 39, 1128-1134.	1.3	37
153	Morphology and Activity of Biological Fabrics Prepared by Electro spray Deposition Method. ACS Symposium Series, 2006, , 343-352.	0.5	0
154	Control of diameter, morphology, and structure of PVDF nanofiber fabricated by electro spray deposition. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 779-786.	2.4	108
155	Preparation of ion-exchange fiber fabrics by electro spray deposition. Journal of Colloid and Interface Science, 2006, 293, 143-150.	5.0	49
156	Effect of ion-exchange nanofiber fabrics on water splitting in bipolar membrane. Journal of Colloid and Interface Science, 2006, 300, 442-445.	5.0	29
157	Membrane potentials across nanofiltration membranes: effect of nanoscaled cavity structure. Journal of Molecular Structure, 2005, 739, 99-104.	1.8	12
158	Membrane potential across anion-exchange membranes in acidic solution system. Journal of Colloid and Interface Science, 2005, 286, 288-293.	5.0	13
159	Organic/inorganic hybrid nano-microstructured coatings on insulated substrates by electro spray deposition. Journal of Colloid and Interface Science, 2005, 286, 414-416.	5.0	30
160	Preparation of Polysaccharide Nanofiber Fabrics by Electro spray Deposition: Additive Effects of Poly(ethylene oxide). Polymer Journal, 2005, 37, 391-398.	1.3	35
161	Membrane Potential across Low-Water-Content Charged Membranes: Effect of Ion Pairing. Journal of Physical Chemistry B, 2005, 109, 14130-14136.	1.2	28
162	Phase transformation behavior of Ti-rich NiTi alloy by a calorimetric method. Journal of Materials Science, 2004, 39, 4391-4392.	1.7	5

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163	Surface morphology and biological activity of protein thin films produced by electrospray deposition. <i>Journal of Colloid and Interface Science</i> , 2004, 269, 336-340.	5.0	88
164	Charge effectiveness of sulfonated polymer membranes under low-water-content condition. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 461-468.	2.8	22
165	Poly(ethylene oxide) thin films produced by electrospray deposition: morphology control and additive effects of alcohols on nanostructure. <i>Journal of Colloid and Interface Science</i> , 2004, 279, 484-492.	5.0	78
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