

Hidetoshi Matsumoto

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Functionality in Electrospun Nanofibrous Membranes Based on Fiber's Size, Surface Area, and Molecular Orientation. <i>Membranes</i> , 2011, 1, 249-264.	3.0	168
2	Nanomaterial-Enhanced All-Solid Flexible Zinc-Carbon Batteries. <i>ACS Nano</i> , 2010, 4, 2730-2734.	14.6	148
3	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.	13.7	142
4	Control of diameter, morphology, and structure of PVDF nanofiber fabricated by electrospray deposition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 779-786.	2.1	108
5	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.	21.0	97
6	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.	9.4	88
7	Electrospun Composite Nanofiber Yarns Containing Oriented Graphene Nanoribbons. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6225-6231.	8.0	83
8	High performance ambipolar organic field-effect transistors based on indigo derivatives. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9311-9317.	5.5	80
9	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.	9.4	78
10	Photoelectrochemical cell using dye sensitized zinc oxide nanowires grown on carbon fibers. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	76
11	Rational Design of High-Mobility Semicrystalline Conjugated Polymers with Tunable Charge Polarity: Beyond Benzobisthiadiazole-Based Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1604608.	14.9	74
12	A Quaternary Poly(ethylene carbonate)-Lithium Bis(trifluoromethanesulfonyl)imide-Ionic Liquid-Silica Fiber Composite Polymer Electrolyte for Lithium Batteries. <i>Electrochimica Acta</i> , 2015, 175, 134-140.	5.2	73
13	Significant Difference in Semiconducting Properties of Isomeric All-Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11893-11902.	13.8	68
14	Interaction of proteins with weak amphoteric charged membrane surfaces: effect of pH. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 82-88.	9.4	59
15	Effect of Proton on Potassium Ion in Countertransport across Fine Porous Charged Membranes. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5011-5016.	2.6	56
16	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
17	Facile fabrication of transparent and conductive nanowire networks by wet chemical etching with an electrospun nanofiber mask template. <i>Materials Letters</i> , 2014, 115, 187-189.	2.6	54
18	New Semiconducting Polymers Based on Benzobisthiadiazole Analogues: Tuning of Charge Polarity in Thin Film Transistors via Heteroatom Substitution. <i>Macromolecules</i> , 2015, 48, 4012-4023.	4.8	54

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19	Phenolic Resin-Based Carbon Thin Fibers Prepared by Electrospinning: Additive Effects of Poly(vinyl Tj ETQq1 1 0.784314 rgBTj/Overloc	2.7	53
20	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.	5.4	51
21	Formation of β -Phase Crystalline Structure of PVDF Nanofiber by Electrospray Deposition: Additive Effect of Ionic Fluorinated Surfactant. <i>Polymer Journal</i> , 2007, 39, 670-674.	2.7	50
22	Preparation of ion-exchange fiber fabrics by electrospray deposition. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 143-150.	9.4	49
23	D π -A π Backbone Strategy for Benzobisthiadiazole Based n-Channel Organic Transistors: Clarifying the Selenium Substitution Effect on the Molecular Packing and Charge Transport Properties in Electron Deficient Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1701486.	14.9	47
24	Molecularly Imprinted Nanofiber Membranes from Carboxylated Polysulfone by Electrospray Deposition. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2100-2105.	3.9	45
25	Characterization of chitosan nanofiber fabric by electrospray deposition: Electrokinetic and adsorption behavior. <i>Journal of Colloid and Interface Science</i> , 2007, 310, 678-681.	9.4	45
26	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.	8.0	45
27	Correlation of mobility and molecular packing in organic transistors based on cycloalkyl naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5395.	5.5	45
28	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.	14.9	45
29	Polyelectrolyte membranes based on hydrocarbon polymer containing fullerene. <i>Journal of Power Sources</i> , 2008, 176, 16-22.	7.8	43
30	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.	3.9	42
31	Novel poly(ethylene glycol) derivatives with carboxylic acid pendant groups: synthesis and their protection and enhancing effect on non-viral gene transfection systems. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 515-531.	3.5	37
32	Preparation of Carbon Fiber Fabrics from Phenolic Resin by Electrospray Deposition. <i>Polymer Journal</i> , 2007, 39, 1128-1134.	2.7	37
33	Control over Internal Structure of Liquid Crystal Polymer Nanofibers by Electrospinning. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1641-1645.	3.9	36
34	Molecularly imprinted nanofiber membranes. <i>Current Opinion in Chemical Engineering</i> , 2011, 1, 18-26.	7.8	36
35	Design and structure-property relationship of benzothienoisindigo in organic field effect transistors. <i>RSC Advances</i> , 2015, 5, 61035-61043.	3.6	36
36	Preparation of Polysaccharide Nanofiber Fabrics by Electrospray Deposition: Additive Effects of Poly(ethylene oxide). <i>Polymer Journal</i> , 2005, 37, 391-398.	2.7	35

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37	Control over wettability of textured surfaces by electrospray deposition. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3811-3817.	2.6	35
38	ZnO Nanowire and WS_2 Nanotube Electronics. <i>IEEE Transactions on Electron Devices</i> , 2008, 55, 2988-3000.	3.0	35
39	The impact of molecular planarity on electronic devices in thienoindigo-based organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10455-10467.	5.5	35
40	Dual Imide-Functionalized Unit-Based Regioregular $\text{A}1\text{A}2$ Polymers for Efficient Unipolar n-Channel Organic Transistors and All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22583-22594.	8.0	35
41	Preparation of Porous PVDF Nanofiber from PVDF/PVP Blend by Electrospray Deposition. <i>Polymer Journal</i> , 2007, 39, 1060-1064.	2.7	33
42	Ambipolar organic transistors based on isoindigo derivatives. <i>Organic Electronics</i> , 2016, 35, 95-100.	2.6	33
43	An iodine effect in ambipolar organic field-effect transistors based on indigo derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8612-8617.	5.5	32
44	Fine structure of PVDF nanofiber fabricated by electrospray deposition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 558-563.	2.1	31
45	Filling the Gaps between Graphene Oxide: A General Strategy toward Nanolayered Oxides. <i>Advanced Functional Materials</i> , 2015, 25, 5683-5690.	14.9	31
46	Water transport phenomena through membranes consisting of vertically-aligned double-walled carbon nanotube array. <i>Carbon</i> , 2017, 120, 358-365.	10.3	31
47	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.	3.3	31
48	Organic/inorganic hybrid nano-microstructured coatings on insulated substrates by electrospray deposition. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 414-416.	9.4	30
49	Effect of ion-exchange nanofiber fabrics on water splitting in bipolar membrane. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 442-445.	9.4	29
50	Nanosize effects of sulfonated carbon nanofiber fabrics for high capacity ion-exchanger. <i>RSC Advances</i> , 2012, 2, 3109.	3.6	29
51	Membrane Potential across Low-Water-Content Charged Membranes: Effect of Ion Pairing. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14130-14136.	2.6	28
52	Preparation of PVDF/PMMA Blend Nanofibers by Electrospray Deposition: Effects of Blending Ratio and Humidity. <i>Polymer Journal</i> , 2009, 41, 402-406.	2.7	27
53	A highly conducting organic metal derived from an organic-transistor material: benzothienobenzothiophene. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17818.	2.8	27
54	Permeation of n-butane, 1-butene and 1,3-butadiene through anhydrous Ag^+ -doped perfluorocarbon-type ion-exchange membranes. <i>Polymer</i> , 1998, 39, 2315-2323.	3.8	26

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55	N-Unsubstituted thienoisoindigos: preparation, molecular packing and ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2509-2512.	5.5	25
56	Thiadiazole-fused Quinoxalineimide as an Electron-deficient Building Block for N-type Organic Semiconductors. <i>Organic Letters</i> , 2017, 19, 3275-3278.	4.6	25
57	Membrane potential across reverse osmosis membranes under pressure gradient. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 272-278.	9.4	24
58	Enhancing the Effect of the Nanofiber Network Structure on Thermoresponsive Wettability Switching. <i>Langmuir</i> , 2011, 27, 14716-14720.	3.5	24
59	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.	2.9	24
60	Nanofibers as novel platform for high-efficiency ion exchangers. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2791-2803.	3.2	23
61	Charge effectiveness of sulfonated polymer membranes under low-water-content condition. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 461-468.	6.1	22
62	Structure changes during tensile deformation and mechanical properties of a twisted carbon nanotube yarn. <i>Carbon</i> , 2013, 60, 193-201.	10.3	22
63	Diketopyrrolopyrrole- <i>thiophene</i> -methoxythiophene based random copolymers for organic field effect transistor applications. <i>Organic Electronics</i> , 2020, 87, 105986.	2.6	22
64	Radical scavenging reaction kinetics with multiwalled carbon nanotubes. <i>Carbon</i> , 2015, 83, 232-239.	10.3	21
65	Manganese dioxide nanowires on carbon nanofiber frameworks for efficient electrochemical device electrodes. <i>RSC Advances</i> , 2017, 7, 12351-12358.	3.6	21
66	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.	4.3	21
67	Membrane Potentials across Cation-Exchange Membranes with a Low Water Content. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10506-10512.	2.6	19
68	Ionic Liquid-Based Electrolytes Containing Surface-Functionalized Inorganic Nanofibers for Quasisolid Lithium Batteries. <i>ACS Omega</i> , 2017, 2, 835-841.	3.5	19
69	Ionic Transport Behavior across Charged Membranes with Low Water Content. I. Theoretical Aspect of Membrane Potentials in Membranes Having Inhomogeneously Distributed Fixed-Charge Groups. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10615-10622.	2.6	18
70	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.	3.7	18
71	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.	4.4	18
72	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.	3.2	18

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73	Transport and high-selectivity mechanisms of C 4 hydrocarbons through anhydrous Ag +-doped perfluorocarbon-type ion-exchange membranes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 665.	1.7	16
74	Preparation and Characterization of Novel Weak Amphoteric Charged Membrane Containing Cysteine Residues. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 467-474.	9.4	16
75	Temperature compensation of pressure-sensitive luminescent polymer sensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1960-1966.	7.8	16
76	Polyelectrolyte Composite Membranes Containing Electrospun Ion-Exchange Nanofibers: Effect of Nanofiber Surface Charges on Ionic Transport. <i>Langmuir</i> , 2018, 34, 13035-13040.	3.5	16
77	Characterization of Insulin Adsorption Behavior on Amphoteric Charged Membranes. <i>Polymer Journal</i> , 2008, 40, 837-841.	2.7	14
78	Carbon nanotubes on carbon fabrics for flexible field emitter arrays. <i>Applied Physics Letters</i> , 2008, 93, 053107.	3.3	14
79	Inkjet Printing of Graphene Nanoribbons for Organic Field-Effect Transistors. <i>Applied Physics Express</i> , 2011, 4, 115101.	2.4	14
80	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.	0.4	14
81	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.	4.8	14
82	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 542-551.	4.4	14
83	Characterization of Novel Weak Amphoteric Charged Membranes Using ζ -Potential Measurements: Δ Effect of Dipolar Ion Structure. <i>Langmuir</i> , 2001, 17, 3375-3381.	3.5	13
84	Membrane potential across anion-exchange membranes in acidic solution system. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 288-293.	9.4	13
85	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.	2.6	13
86	Light scattering assisted surface plasmon resonance at electrospun nanofiber-coated gold surfaces. <i>Applied Physics Letters</i> , 2011, 98, 241109.	3.3	13
87	Ion-conductive and mechanical properties of polyether/silica thin fiber composite electrolytes. <i>Reactive and Functional Polymers</i> , 2014, 81, 40-44.	4.1	13
88	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.	4.8	13
89	Development of Fiber and Textile-Shaped Organic Solar Cells for Smart Textiles. <i>Journal of Fiber Science and Technology</i> , 2017, 73, 336-342.	0.4	13
90	Wettability of Al₂O₃ by Liquid Cu as Influenced by Additives and Partial Transient Liquid-Phase Bonding of Al₂O₃. <i>Materials Transactions, JIM</i> , 1995, 36, 555-564.	0.9	12

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91	Interaction of Organic Molecules with Weak Amphoteric Charged Membrane Surfaces: Effect of Interfacial Charge Structure. <i>Langmuir</i> , 2002, 18, 3698-3703.	3.5	12
92	Membrane potentials across nanofiltration membranes: effect of nanoscaled cavity structure. <i>Journal of Molecular Structure</i> , 2005, 739, 99-104.	3.6	12
93	Composite poly(ethylene carbonate) electrolytes with electrospun silica nanofibers. <i>Polymers for Advanced Technologies</i> , 2018, 29, 820-824.	3.2	12
94	Improvement in semipermeable membrane performance of wholly aromatic polyamide through an additive processing strategy. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1275-1281.	2.3	11
95	Semipermeable membranes based on polybenzimidazole: Simultaneous improvement in water flux and salt rejection by facile cross-linking. <i>Desalination</i> , 2016, 395, 1-7.	8.2	11
96	Ambipolar organic field-effect transistors based on N-Unsubstituted thienoisindigo derivatives. <i>Dyes and Pigments</i> , 2020, 180, 108418.	3.7	11
97	Absence of HOMO/LUMO Transition in Charge-Transfer Complexes of Thienoacenes. <i>Journal of Physical Chemistry A</i> , 2021, 125, 146-153.	2.5	11
98	Improved stability of organic field-effect transistor performance in oligothiophenes including β -isomers. <i>Tetrahedron</i> , 2012, 68, 2790-2798.	1.9	10
99	Influence of structure-property relationships of two structural isomers of thiophene-flanked diazaisindigo on carrier-transport properties. <i>RSC Advances</i> , 2016, 6, 109434-109441.	3.6	10
100	Tuning Backbone Planarity in Thiadiazolobenzotriazole-Bis(thienothiophenyl)ethylene Copolymers for Organic Field-Effect Transistors. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2302-2312.	4.4	10
101	Control over Color of Nanotextured Coatings by Electrospray Deposition. <i>Journal of Fiber Science and Technology</i> , 2008, 64, 1-4.	0.0	10
102	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.	3.9	9
103	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.	2.7	9
104	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.	10.3	8
105	High-performance structure of a coil-shaped soft-actuator consisting of polymer threads and carbon nanotube yarns. <i>AIP Advances</i> , 2018, 8, .	1.3	8
106	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. <i>ACS Applied Electronic Materials</i> , 2019, 1, 764-771.	4.3	8
107	Preparation of Perfluorosulfonated Ionomer Nanofibers by Solution Blow Spinning. <i>Membranes</i> , 2021, 11, 389.	3.0	8
108	Shift of ??? transformation temperature of cobalt with thermal cycling. <i>Journal of Materials Science Letters</i> , 1993, 12, 969-970.	0.5	7

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109	Significant Difference in Semiconducting Properties of Isomeric All-acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie</i> , 2019, 131, 12019-12028.	2.0	7
110	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.	3.6	7
111	De Novo Ion-Exchange Membranes Based on Nanofibers. <i>Membranes</i> , 2021, 11, 652.	3.0	7
112	Ambipolar Organic Field-Effect Transistors Based on Indigo Derivatives. <i>Engineering Journal</i> , 2015, 19, 61-74.	1.0	7
113	Intermediate phase on rapidly quenched Ni ₄₉ Ti ₅₀ Al ₁ . <i>Journal of Materials Science Letters</i> , 1999, 18, 1853-1854.	0.5	6
114	Synthesis of transparent and thermally stable polycyanurates and their thermal rearrangement. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3950-3955.	2.3	6
115	Enhancing water flux through semipermeable polybenzimidazole membranes by adding surfactant-treated CNTs. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45875.	2.6	6
116	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.	10.3	6
117	Fabrication Technology of Nanofiber by Electro Spray Deposition. <i>Kobunshi</i> , 2003, 52, 829-832.	0.0	5
118	Phase transformation behavior of Ti-rich NiTi alloy by a calorimetric method. <i>Journal of Materials Science</i> , 2004, 39, 4391-4392.	3.7	5
119	Insulin transport across porous charged membranes: Effect of the electrostatic interaction. <i>Biotechnology Progress</i> , 2009, 25, 1379-1386.	2.6	5
120	Solution-Processed Nanowire Coating for Light Management in Organic Solar Cells. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-7.	3.4	5
121	Effect of primary structure on permselectivity of ultrathin semipermeable polybenzimidazole membrane. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	5
122	Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. <i>Chemistry Letters</i> , 2015, 44, 1128-1130.	1.3	5
123	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
124	Optical Waveguide Biosensors for Highly Sensitive and High-Throughput Applications. <i>MRS Advances</i> , 2016, 1, 755-760.	0.9	5
125	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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127	Effect of hydrogen-deuterium exchange in amide linkages on properties of electrospun polyamide nanofibers. <i>Polymer</i> , 2021, 229, 123994.	3.8	5
128	Insulin adsorption into porous charged membranes: Effect of the electrostatic interaction. <i>Biotechnology Progress</i> , 2009, 25, 1115-1121.	2.6	4
129	Highly Sensitive Local Surface Plasmon Resonance in Anisotropic Au Nanoparticles Deposited on Nanofibers. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	4
130	Cross-Linking of Poly(arylenebutadiynylene)s and Its Effect on Charge Carrier Mobilities in Thin-Film Transistors. <i>Macromolecules</i> , 2021, 54, 4351-4362.	4.8	4
131	Reaction Products Affecting the PEFC Catalyst Ink Property. <i>Journal of the Electrochemical Society</i> , 0, , .	2.9	4
132	Effect of Fixed Charge Groups and Counter Ions on the Transport Phenomena of Paraffin and Olefin across Anhydrous Negatively Charged Membranes. <i>Journal of Colloid and Interface Science</i> , 1998, 208, 310-318.	9.4	3
133	Pore-surface characterization of amphoteric charged membranes by means of zeta potential measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 222, 165-173.	4.7	3
134	Electrospun Nanofiber Networks for Electronics and Optics. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1240, 1.	0.1	3
135	Development of β^2 -linked quaterthiophene and tetrathiafulvalene dimers as new organic semiconductors. <i>Physica B: Condensed Matter</i> , 2010, 405, S373-S377.	2.7	3
136	Preparation of Perfluorosulfonate Ionomeric Hollow Thin Fibers by Two-Fluid Electrospinning. <i>Kobunshi Ronbunshu</i> , 2014, 71, 319-324.	0.2	3
137	Design of Fullerene-Free Electron-Acceptor Materials Containing Peryleneimide Units for Solution-Processed Organic Electronic Devices. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1083-1093.	3.2	3
138	Nanostructural Evolution during Catalyst Layer Formation Studied via Cryo-Electron Microscopy. <i>ECS Transactions</i> , 2017, 80, 253-258.	0.5	3
139	Time-Resolved Nanostructural Analysis of Catalyst Layer Formation Process by Synchrotron X-ray Scattering. <i>ECS Transactions</i> , 2017, 80, 269-273.	0.5	3
140	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.	0.5	3
141	Bulky Phenylalkyl Substitutions to Bisthienoisatins and Thienoisindigos. <i>Crystal Growth and Design</i> , 2020, 20, 3293-3303.	3.0	3
142	Persistent Water Repellency of Syndiotactic Polymethylene with Perfluoroethyl Hexyloxycarbonyl Side Chains. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100311.	3.9	3
143	[2+2] Cycloaddition-retroelectrocyclization reactivity and thin film transistor performances of carbazole-based platinum polyynes. <i>Materials Chemistry and Physics</i> , 2022, 281, 125861.	4.0	3
144	Antimicrobial Activity of Ultra-fine Fiber Nonwoven Fabrics Produced by Electrospinning. <i>Seikei-Kakou</i> , 2009, 21, 287-290.	0.0	2

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145	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. <i>Journal of Polymer Science Part A</i> , 2014, 52, n/a-n/a.	2.3	2
146	Synthesis of Fullerene Polymers and Preparation of Electrospun Microfibers Thereof. <i>Kobunshi Ronbunshu</i> , 2016, 73, 258-261.	0.2	2
147	Zero percolation threshold in electric conductivity of aluminum nanowire network fabricated by chemical etching using an electrospun nanofiber mask. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 095002.	1.5	2
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