Yoshiko Miura

List of Publications by Year
in descending order

174 papers	5,510 citations	117571 34 h-index	91828 69 g-index
178 all docs	178 docs citations	178 times ranked	5735 citing authors

#	Article	IF	Citations
1	Self-organization of supramolecular helical dendrimers into complex electronic materials. Nature, 2002, 419, 384-387.	13.7	938
2	Self-assembly of amphiphilic dendritic dipeptides into helical pores. Nature, 2004, 430, 764-768.	13.7	613
3	Glycopolymer Nanobiotechnology. Chemical Reviews, 2016, 116, 1673-1692.	23.0	249
4	Synthesis and biological application of glycopolymers. Journal of Polymer Science Part A, 2007, 45, 5031-5036.	2.5	132
5	Amyloid-Î² detection with saccharide immobilized gold nanoparticle on carbon electrode. Bioelectrochemistry, 2008, 74, 118-123.	2.4	129
6	Reversible Absorption of CO₂ Triggered by Phase Transition of Amine-Containing Micro- and Nanogel Particles. Journal of the American Chemical Society, 2012, 134, 18177-18180.	6.6	129
7	A polymer nanoparticle with engineered affinity for a vascular endothelial growth factor (VEGF165). Nature Chemistry, 2017, 9, 715-722.	6.6	125
8	Design and synthesis of well-defined glycopolymers for the control of biological functionalities. Polymer Journal, 2012, 44, 679-689.	1.3	123
9	Self-Assembly of Semifluorinated Dendrons Attached to Electron-Donor Groups Mediates Their Ï€-Stacking via a Helical Pyramidal Column. Chemistry - A European Journal, 2006, 12, 6298-6314.	1.7	116
10	Formation of Oriented Helical Peptide Layers on a Gold Surface Due to the Self-Assembling Properties of Peptides. Langmuir, 1998, 14, 6935-6940.	1.6	109
11	Inhibition of Alzheimer Amyloid Aggregation with Sulfated Glycopolymers. Biomacromolecules, 2007, 8, 2129-2134.	2.6	92
12	Chemoenzymatically Synthesized Glycoconjugate Polymersâ€. Biomacromolecules, 2003, 4, 410-415.	2.6	82
13	Self-Assembly of Semifluorinated Minidendrons Attached to Electron-Acceptor Groups into Pyramidal Columns. Chemistry - A European Journal, 2007, 13, 3330-3345.	1.7	74
14	Control of Protein-Binding Kinetics on Synthetic Polymer Nanoparticles by Tuning Flexibility and Inducing Conformation Changes of Polymer Chains. Journal of the American Chemical Society, 2012, 134, 15209-15212.	6.6	73
15	Preparation of glycopolymerâ€substituted gold nanoparticles and their molecular recognition. Journal of Polymer Science Part A, 2009, 47, 1412-1421.	2.5	72
16	Temperatureâ€Responsive Microgel Films as Reversible Carbon Dioxide Absorbents in Wet Environment. Angewandte Chemie - International Edition, 2014, 53, 2654-2657.	7.2	71
17	Polymer-modified gold nanoparticles via RAFT polymerization: a detailed study for a biosensing application. Polymer Chemistry, 2014, 5, 931-939.	1.9	70
18	Protecting-Group-Free Synthesis of Glycopolymers Bearing Sialyloligosaccharide and Their High Binding with the Influenza Virus. ACS Macro Letters, 2014, 3, 1074-1078.	2.3	60

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19	Self-assembled monolayers of globotriaosylceramide (Gb3) mimics: surface-specific affinity with shiga toxins. Analytical Biochemistry, 2002, 310, 27-35.	1.1	55
20	Design of Synthetic Polymer Nanoparticles That Facilitate Resolubilization and Refolding of Aggregated Positively Charged Lysozyme. Journal of the American Chemical Society, 2016, 138, 4282-4285.	6.6	55
21	Thermocells Driven by Phase Transition of Hydrogel Nanoparticles. Journal of the American Chemical Society, 2020, 142, 17318-17322.	6.6	54
22	Design of Glycopolymers Carrying Sialyl Oligosaccharides for Controlling the Interaction with the Influenza Virus. Biomacromolecules, 2017, 18, 4385-4392.	2.6	52
23	Helical Porous Protein Mimics Self-Assembled from Amphiphilic Dendritic Dipeptides. Australian Journal of Chemistry, 2005, 58, 472.	0.5	47
24	Rational Design of Synthetic Nanoparticles with a Large Reversible Shift of Acid Dissociation Constants: Proton Imprinting in Stimuli Responsive Nanogel Particles. Advanced Materials, 2014, 26, 3718-3723.	11.1	46
25	Dendritic sugar-microarrays by click chemistry. Thin Solid Films, 2009, 518, 880-888.	0.8	43
26	Controlling the lectin recognition of glycopolymersviadistance arrangement of sugar blocks. Chemical Communications, 2018, 54, 82-85.	2.2	43
27	Metal Mesh Device Sensor Immobilized with a Trimethoxysilane-Containing Glycopolymer for Label-Free Detection of Proteins and Bacteria. ACS Applied Materials & Interfaces, 2014, 6, 13234-13241.	4.0	40
28	Design rationale of thermally responsive microgel particle films that reversibly absorb large amounts of CO₂: fine tuning the pK_a of ammonium ions in the particles. Chemical Science, 2015, 6, 6112-6123.	3.7	40
29	Synthesis and properties of a wellâ€defined glycopolymer via living radical polymerization. Polymers for Advanced Technologies, 2007, 18, 647-651.	1.6	37
30	Selective Protein Separation Using Siliceous Materials with a Trimethoxysilane-Containing Glycopolymer. ACS Applied Materials & Interfaces, 2012, 4, 411-417.	4.0	37
31	Biotinylation of Silicon and Nickel Surfaces and Detection of Streptavidin as Biosensor. Langmuir, 2013, 29, 9457-9463.	1.6	36
32	Topological Design of Star Glycopolymers for Controlling the Interaction with the Influenza Virus. Bioconjugate Chemistry, 2019, 30, 1192-1198.	1.8	36
33	Self-Assembly of Î±-Helix Peptide/Crown Ether Conjugate upon Complexation with Ammonium-Terminated Alkanethiolate. Langmuir, 1998, 14, 2761-2767.	1.6	35
34	Patterned Adsorption of Protein onto a Carbohydrate Monolayer Immobilized on Si. Langmuir, 2003, 19, 9107-9109.	1.6	35
35	Charge transport in hexagonal columnar liquid crystals self-organized from supramolecular cylinders based on acene-functionalized dendrons. Physical Review B, 2003, 67, .	1.1	34
36	Micropatterned Carbohydrate Displays by Self-Assembly of Glycoconjugate Polymers on Hydrophobic Templates on Silicon. Biomacromolecules, 2004, 5, 1708-1713.	2.6	34

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37	Biological specific recognition of glycopolymer- modified interfaces by RAFT living radical polymerization. Polymer Journal, 2010, 42, 172-178.	1.3	34
38	Synthesis of Highly Biocompatible and Temperature-Responsive Physical Gels for Cryopreservation and 3D Cell Culture. ACS Applied Bio Materials, 2018, 1, 356-366.	2.3	33
39	A specific inhibitory effect of multivalent trehalose toward AÎ²(1-40) aggregation. Polymer Chemistry, 2011, 2, 1822.	1.9	32
40	Interaction between synthetic particles and biomacromolecules: fundamental study of nonspecific interaction and design of nanoparticles that recognize target molecules. Polymer Journal, 2014, 46, 537-545.	1.3	32
41	The self-assembled monolayer of saccharide via click chemistry: Formation and protein recognition. Thin Solid Films, 2008, 516, 2443-2449.	0.8	31
42	Aggregation of Alzheimer Amyloid Î² Peptide (1â^'42) on the Multivalent Sulfonated Sugar Interface. Bioconjugate Chemistry, 2010, 21, 1079-1086.	1.8	31
43	Sequestering and inhibiting a vascular endothelial growth factor in vivo by systemic administration of a synthetic polymer nanoparticle. Journal of Controlled Release, 2019, 295, 13-20.	4.8	29
44	Chemoenzymatic synthesis of glycoconjugate polymers: greening the synthesis of biomaterials. Green Chemistry, 2003, 5, 610.	4.6	28
45	Surface Modification of Siliceous Materials Using Maleimidation and Various Functional Polymers Synthesized by Reversible Additionâ€“Fragmentation Chain Transfer Polymerization. ACS Applied Materials & Interfaces, 2012, 4, 5125-5133.	4.0	28
46	Design of multi-functional linear polymers that capture and neutralize a toxic peptide: a comparison with cross-linked nanoparticles. Journal of Materials Chemistry B, 2015, 3, 1706-1711.	2.9	28
47	Signal amplified two-dimensional photonic crystal biosensor immobilized with glyco-nanoparticles. Journal of Materials Chemistry B, 2014, 2, 3324-3332.	2.9	27
48	Inhibition of Bacterial Adhesion on Hydroxyapatite Model Teeth by Surface Modification with PEGMA-Phosmer Copolymers. ACS Biomaterials Science and Engineering, 2016, 2, 205-212.	2.6	26
49	Replacing Cu(II)Br₂ with Me₆-TREN in Biphasic Cu(0)/TREN Catalyzed SET-LRP Reveals the Mixed-Ligand Effect. Biomacromolecules, 2020, 21, 250-261.	2.6	26
50	Homogeneous Oligomeric Ligands Prepared via Radical Polymerization that Recognize and Neutralize a Target Peptide. Angewandte Chemie - International Edition, 2020, 59, 679-683.	7.2	26
51	A Micropatterned Multifunctional Carbohydrate Display by an Orthogonal Self-Assembling Strategy. Biomacromolecules, 2007, 8, 753-756.	2.6	25
52	Interaction Analyses of Amyloid Î² Peptide (1â€“40) with Glycosaminoglycan Model Polymers. Bulletin of the Chemical Society of Japan, 2010, 83, 1004-1009.	2.0	25
53	Effect of Physical Properties of Nanogel Particles on the Kinetic Constants of Multipoint Protein Recognition Process. Biomacromolecules, 2014, 15, 541-547.	2.6	25
54	Measuring Protein Binding to Individual Hydrogel Nanoparticles with Single-Nanoparticle Surface Plasmon Resonance Imaging Microscopy. Journal of Physical Chemistry C, 2016, 120, 16843-16849.	1.5	25

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55	Development of glycosaminoglycan mimetics using glycopolymers. Polymer Journal, 2016, 48, 229-237.	1.3	25
56	Preparation of Glycopolymer-Modified Gold Nanoparticles and a New Approach for a Lateral Flow Assay. Bulletin of the Chemical Society of Japan, 2011, 84, 466-470.	2.0	24
57	Optimization of Poly(N-isopropylacrylamide) as an Artificial Amidase. Biomacromolecules, 2015, 16, 411-421.	2.6	24
58	Controlled polymerization for the development of bioconjugate polymers and materials. Journal of Materials Chemistry B, 2020, 8, 2010-2019.	2.9	24
59	Chemoenzymatic synthesis of glycoconjugate polymers starting from nonreducing disaccharides. Journal of Polymer Science Part A, 2004, 42, 4598-4606.	2.5	23
60	Peptides binding to a Gb3 mimic selected from a phage library. Biochimica Et Biophysica Acta - General Subjects, 2004, 1673, 131-138.	1.1	23
61	Synthesis of well-controlled glycopolymers bearing oligosaccharides and their interactions with influenza viruses. Polymer Journal, 2016, 48, 745-749.	1.3	23
62	Minimization of Synthetic Polymer Ligands for Specific Recognition and Neutralization of a Toxic Peptide. Journal of the American Chemical Society, 2015, 137, 10878-10881.	6.6	22
63	Electrochemical assay for saccharideâ€“protein interactions using glycopolymer-modified gold nanoparticles. Electrochemistry Communications, 2011, 13, 830-833.	2.3	21
64	Self-Assembly of a Double Hydrophilic Block Glycopolymer and the Investigation of Its Mechanism. Langmuir, 2018, 34, 8591-8598.	1.6	21
65	Bacterial Inhibition and Osteoblast Adhesion on Ti Alloy Surfaces Modified by Poly(PEGMA-r-Phosmer) Coating. ACS Applied Materials & Interfaces, 2018, 10, 23674-23681.	4.0	19
66	Inhibition of Alzheimer amyloid Î² aggregation by polyvalent trehalose. Science and Technology of Advanced Materials, 2008, 9, 024407.	2.8	18
67	Membrane reactor immobilized with palladiumâ€loaded polymer nanogel for continuousâ€flow Suzuki coupling reaction. AICHE Journal, 2015, 61, 582-589.	1.8	18
68	Assembly of Defect-Free Microgel Nanomembranes for CO₂ Separation. ACS Applied Materials & Interfaces, 2021, 13, 30030-30038.	4.0	18
69	Cation recognition by self-assembled monolayers of oriented helical peptides having a crown ether unit. Biopolymers, 2000, 55, 391-398.	1.2	17
70	Preparation of Î±-mannoside hydrogel and electrical detection of saccharide-protein interactions using the smart gel-modified gate field effect transistor. Nanoscale Research Letters, 2012, 7, 108.	3.1	17
71	Wide-range pK_a tuning of proton imprinted nanoparticles for reversible protonation of target molecules via thermal stimuli. Journal of Materials Chemistry B, 2017, 5, 9204-9210.	2.9	17
72	Macroporous Gel with a Permeable Reaction Platform for Catalytic Flow Synthesis. ACS Omega, 2017, 2, 8796-8802.	1.6	17

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73	Synthesis of Various Glycopolymers Bearing Sialyllactose and the Effect of Their Molecular Mobility on Interaction with the Influenza Virus. Biomacromolecules, 2019, 20, 2763-2769.	2.6	17
74	Sugar microarray via click chemistry: molecular recognition with lectins and amyloid Î² (1â€“42). Science and Technology of Advanced Materials, 2009, 10, 034605.	2.8	16
75	Polymer microgel particles as basic catalysts for Knoevenagel condensation in water. Polymer Journal, 2016, 48, 897-904.	1.3	16
76	Effects of Hydrophobic Modifications and Phase Transitions of Polyvinylamine Hydrogel Films on Reversible CO₂ Capture Behavior: Comparison between Copolymer Films and Blend Films for Temperatureâ€Responsive CO₂ Absorption. Macromolecular Chemistry and Physics, 2017, 218, 1600570.	1.1	16
77	Syntheses of sulfated glycopolymers and analyses of their BACE-1 inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6390-6395.	1.0	15
78	Affinity Separation of Lectins Using Porous Membranes Immobilized with Glycopolymer Brushes Containing Mannose or N-Acetyl-D-Glucosamine. Membranes, 2013, 3, 169-181.	1.4	15
79	Novel Detection Technique for Particulate Matter in Air Using Metal Mesh Device Sensors. Chemistry Letters, 2014, 43, 408-410.	0.7	15
80	Design and preparation of thermo-responsive vinylamine-containing micro-gel particles for reversible absorption of carbon dioxide. Polymer Journal, 2017, 49, 601-606.	1.3	15
81	Syntheses of Sulfo-Glycodendrimers Using Click Chemistry and Their Biological Evaluation. Molecules, 2012, 17, 11877-11896.	1.7	14
82	Preparation of nanogel-immobilized porous gel beads for affinity separation of proteins: fusion of nano and micro gel materials. Polymer Journal, 2015, 47, 220-225.	1.3	14
83	Size-tuned hydrogel network of palladium-confining polymer particles: a highly active and durable catalyst for Suzuki coupling reactions in water at ambient temperature. Polymer Journal, 2018, 50, 1179-1186.	1.3	14
84	Aggregation of a double hydrophilic block glycopolymer: the effect of block polymer ratio. Journal of Materials Chemistry B, 2020, 8, 10101-10107.	2.9	13
85	Bioinert surface to protein adsorption with higher generation of dendrimer SAMs. Colloids and Surfaces B: Biointerfaces, 2011, 84, 280-284.	2.5	12
86	Preparation of Palladium-loaded Polymer Nanoparticles with Catalytic Activity for Hydrogenation and Suzuki Coupling Reactions. Chemistry Letters, 2013, 42, 301-303.	0.7	12
87	Label-free Detection of Antigen Protein Using a Metal Mesh Device Surface-modified by an Antibody. Analytical Sciences, 2015, 31, 173-176.	0.8	12
88	Macroporous Monolith with Polymer Gel Matrix as Continuous-flow Catalytic Reactor. Chemistry Letters, 2017, 46, 1065-1067.	0.7	12
89	Preparation of palladium-loaded polymer hydrogel catalysts with high durability and recyclability. Polymer Journal, 2020, 52, 671-679.	1.3	12
90	Influence of Monomer Structures for Polymeric Multivalent Ligands: Consideration of the Molecular Mobility of Glycopolymers. Biomacromolecules, 2021, 22, 3119-3127.	2.6	12

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91	A globotriaosylceramide (Gb3Cer) mimic peptide isolated from phage display library expressed strong neutralization to Shiga toxins. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 883-889.	1.1	11
92	SPR study for analysis of a water-soluble glycopolymer interface and molecular recognition properties. Polymer Journal, 2017, 49, 255-262.	1.3	11
93	Poly(<scp>N</scp>â€isopropylacrylamide) gelâ€based macroporous monolith for continuousâ€flow recovery of palladium(<scp>II</scp>) ions. Journal of Applied Polymer Science, 2017, 134, .	1.3	11
94	Reversible pK_a Modulation of Carboxylic Acids in Temperature-Responsive Nanoparticles through Imprinted Electrostatic Interactions. ACS Applied Materials & Interfaces, 2018, 10, 31096-31105.	4.0	11
95	Glycopolymers Mimicking GM1 Gangliosides: Cooperativity of Galactose and Neuraminic Acid for Cholera Toxin Recognition. Chemistry - an Asian Journal, 2019, 14, 1021-1027.	1.7	11
96	Rational Design of Thermocells Driven by the Volume Phase Transition of Hydrogel Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 32184-32192.	4.0	11
97	Immobilization of Polyrotaxane on a Solid Substrate as the Design of Dynamic Surface. Polymer Journal, 2009, 41, 952-953.	1.3	10
98	Glycopolymer monoliths for affinity bioseparation of proteins in a continuous-flow system: glycomonoliths. Journal of Materials Chemistry B, 2017, 5, 1148-1154.	2.9	10
99	Fine-tuning of the surface porosity of micropatterned polyethersulfone membranes prepared by phase separation micromolding. Polymer Journal, 2020, 52, 397-403.	1.3	10
100	Electrostatic Interactions between Acid-/Base-Containing Polymer Nanoparticles and Proteins: Impact of Polymerization pH. ACS Applied Bio Materials, 2020, 3, 3827-3834.	2.3	10
101	Combining Acid- and Base-Imprinted Nanoparticles in a Hydrogel Film for Temperature-Responsive Quick and Reversible Capture of Salt. ACS Applied Polymer Materials, 2020, 2, 505-514.	2.0	10
102	An efficient matrix that resists the nonspecific adsorption of protein to fabricate carbohydrate arrays on silicon. Thin Solid Films, 2006, 499, 213-218.	0.8	9
103	Polyacrylamide backbones for polyvalent bioconjugates using â€œpost-clickâ€•chemistry. Polymer Chemistry, 2016, 7, 5920-5924.	1.9	9
104	Monitoring Photosynthetic Activity in Microalgal Cells by Raman Spectroscopy with Deuterium Oxide as a Tracking Probe. ChemBioChem, 2017, 18, 2063-2068.	1.3	9
105	Polystyreneâ€Supported PPh₃ in Monolithic Porous Material: Effect of Crossâ€Linking Degree on Coordination Mode and Catalytic Activity in Pdâ€Catalyzed Câ^'C Crossâ€Coupling of Aryl Chlorides. ChemCatChem, 2020, 12, 4034-4037.	1.8	9
106	Thermoresponsive CO2 absorbent for various CO2 concentrations: tuning the pKa of ammonium ions for effective carbon capture. Polymer Journal, 2021, 53, 157-167.	1.3	9
107	Surface potential generation by helical peptide monolayers and multilayers on gold surface. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1999, 75, 287-290.	1.6	8
108	Elucidation of Glc<scp>NA</scp>câ€binding properties of type <scp>III</scp> intermediate filament proteins, using Glc<scp>NA</scp>câ€bearing polymers. Genes To Cells, 2017, 22, 900-917.	0.5	8

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109	Quantitative preparation of multiblock glycopolymers bearing glycounits at the terminal segments by aqueous reversible additionâ€“fragmentation chain transfer polymerization of acrylamide monomers. Journal of Polymer Science Part A, 2019, 57, 857-861.	2.5	8
110	Screening of a Glycopolymer Library of GM1 Mimics Containing Hydrophobic Units Using Surface Plasmon Resonance Imaging. ACS Omega, 2019, 4, 20690-20696.	1.6	8
111	Encapsulation of Polythiophene by Glycopolymer for Water-soluble Nanowire. Chemistry Letters, 2011, 40, 864-866.	0.7	7
112	Anti-biofouling phosphorylated HEMA and PEGMA block copolymers show high affinity to hydroxyapatite. Colloids and Surfaces B: Biointerfaces, 2017, 160, 289-296.	2.5	7
113	Polystyrene-Cross-Linking Triphenylphosphine on a Porous Monolith: Enhanced Catalytic Activity for Aryl Chloride Cross-Coupling in Biphasic Flow. Industrial & Engineering Chemistry Research, 2020, 59, 15179-15187.	1.8	7
114	A QCM study of strong carbohydrateâ€“carbohydrate interactions of glycopolymers carrying mannosides on substrates. Journal of Materials Chemistry B, 2022, 10, 2597-2601.	2.9	7
115	Preparation and functions of self-assembled monolayers of helix peptides. Journal of Polymer Science Part A, 2000, 38, 4826-4831.	2.5	6
116	A micropatterned carbohydrate display for tissue engineering by self-assembly of heparin. Surface Science, 2007, 601, 3871-3875.	0.8	6
117	Quantitative Measurement of Protein Using Metal Mesh Device. Analytical Sciences, 2017, 33, 1033-1039.	0.8	6
118	Glycopolymer preparation via post-polymerization modification using N-succinimidyl monomers. Polymer Journal, 2019, 51, 617-625.	1.3	6
119	Multi-block and sequence-controlled polymerization of glycopolymers, and interaction with lectin. European Polymer Journal, 2020, 140, 110044.	2.6	6
120	Screening of a glycopolymer library for GM1 mimetics synthesized by the â€œcarbohydrate module methodâ€• Chemical Communications, 2021, 57, 10871-10874.	2.2	6
121	Polymer Nanoparticles with Uniform Monomer Sequences for Sequenceâ€Specific Peptide Recognition. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
122	Î±-Man monolayer formation via Siâ€“C bond formation and protein recognition. Thin Solid Films, 2009, 518, 699-702.	0.8	5
123	Glycosaminoglycan model polymers with Poly(Î³-glutamate) backbone to inhibit aggregation of Î²-Amyloid peptide. Polymer Journal, 2013, 45, 359-362.	1.3	5
124	Facile Preparation of a Glycopolymer Library by PET-RAFT Polymerization for Screening the Polymer Structures of GM1 Mimics. ACS Omega, 2022, 7, 13254-13259.	1.6	5
125	Chemoenzymatic Synthesis of a Multivalent Aminoglycoside. Macromolecular Bioscience, 2003, 3, 662-667.	2.1	4
126	Peculiar Wettability Based on Orientational Change of Self-assembled Hemispherical PAMAM Dendrimer Layer. Chemistry Letters, 2010, 39, 923-925.	0.7	4

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127	Preparation and characterization of complex gel of type I collagen and aluminosilicate containing imogolite nanofibers. Journal of Applied Polymer Science, 2010, 118, 2284-2290.	1.3	4
128	Interaction between Multimeric Sulfated Saccharides and Alzheimer Amyloid Î² (1-42). Chemistry Letters, 2015, 44, 1482-1484.	0.7	4
129	Surface Coating of a Metal Mesh Device Sensor With Gold to Improve the Separation and Sensing of Mammalian Cells. IEEE Sensors Journal, 2016, 16, 5129-5135.	2.4	4
130	Spatiotemporal monitoring of intracellular metabolic dynamics by resonance Raman microscopy with isotope labeling. RSC Advances, 2020, 10, 16679-16686.	1.7	4
131	Verification of the Universal Versatility of a Quantitative Protein Measurement Technique Using a Metal Mesh Device. Analytical Sciences, 2018, 34, 765-770.	0.8	3
132	Regulating Detectable Optical Domain in Sensing Technology Using Metal Mesh Devices and Detection of Submicron-size Particles. Analytical Sciences, 2018, 34, 547-552.	0.8	3
133	Preparation of multifunctional glycopolymers using double orthogonal reactions and the effect of electrostatic groups on the glycopolymerâ€“lectin interaction. Polymer Journal, 2019, 51, 1299-1308.	1.3	3
134	Amplification of Sensor Signals from Metal Mesh Device with Fine Periodic Structure. Analytical Sciences, 2019, 35, 619-623.	0.8	3
135	Homogeneous Oligomeric Ligands Prepared via Radical Polymerization that Recognize and Neutralize a Target Peptide. Angewandte Chemie, 2020, 132, 689-693.	1.6	3
136	Affinity purification of multifunctional oligomeric ligands synthesizedviacontrolled radical polymerization. Journal of Materials Chemistry B, 2020, 8, 5597-5601.	2.9	3
137	Investigation of the effect of microflow reactor diameter on condensation reactions in <scp>l</scp>-proline-immobilized polymer monoliths. Reaction Chemistry and Engineering, 2021, 7, 55-60.	1.9	3
138	Inhibition of Alzheimer Amyloid Aggregation with Sulfate Glycopolymers. Advances in Science and Technology, 2008, 57, 166-169.	0.2	2
139	Synthesis of Glycodendrimer via Click Chemistry and Protein Affinities. Transactions of the Materials Research Society of Japan, 2008, 33, 729-732.	0.2	2
140	Specific detection of Escherichia coli by using metallic mesh sensor in THz region. , 2014, , .		2
141	Biopolymer monolith for protein purification. Faraday Discussions, 2019, 219, 154-167.	1.6	2
142	Controlling the block sequence of multi-block oligomer ligands for neutralization of a target peptide. Materials Advances, 2020, 1, 604-608.	2.6	2
143	Synthesis of Glycopolymers Carrying 3â€²-Sialyllactose for Suppressing Inflammatory Reaction via Siglec-E. Chemistry Letters, 2022, 51, 308-311.	0.7	2
144	De Novo Design of Star-Shaped Glycoligands with Synthetic Polymer Structures toward an Influenza Hemagglutinin Inhibitor. Biomacromolecules, 2022, 23, 1232-1241.	2.6	2

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145	Electronic transport in self-organizing columnar phases. , 2003, , .		1
146	Glyco-Interface to Mimic the Cell Surface Functions. Membrane, 2012, 37, 282-287.	0.0	1
147	Molecular Recognition of Glycopolymer Interface. , 2013, , .		1
148	Inverse pH-response of Temperature-sensitive Copolymers by Combination with Porous CaCO3 Framework. Chemistry Letters, 2015, 44, 1425-1427.	0.7	1
149	Fibronectin Coating on Implant Material Surface Attracted Both Osteoblasts and Bacteria. Chemistry Letters, 2019, 48, 764-767.	0.7	1
150	Preparation of multivalent glycan micro- and nano-arrays: general discussion. Faraday Discussions, 2019, 219, 128-137.	1.6	1
151	Development of microparticle counting sensor based on structural and spectroscopic properties of metal mesh device. Advanced Powder Technology, 2021, 32, 1920-1926.	2.0	1
152	Biofunctional Characteristics of Dendritic Glycocluster Modified Surfaces. Kobunshi Ronbunshu, 2017, 74, 1-9.	0.2	1
153	Polymer Nanoparticles with Uniform Monomer Sequences for Sequence Specific Peptide Recognition. Angewandte Chemie, 0, , .	1.6	1
154	Thermoresponsive Biointerface with a Elastin Model Peptide. Kobunshi Ronbunshu, 2010, 67, 584-589.	0.2	0
155	Bioseparation by Saccharide Modified Materials. Trends in Glycoscience and Glycotechnology, 2012, 24, 134-135.	0.0	0
156	Morphology Control of Alzheimer Amyloid Î² Peptide (1-42) on the Multivalent Sulfonated Sugar Interface. Materials Research Society Symposia Proceedings, 2013, 1498, 203-206.	0.1	0
157	Glycoglycan Mimic by Synthetic Polymers. ACS Symposium Series, 2017, , 69-77.	0.5	0
158	Glycan interactions on glycocalyx mimetic surfaces: general discussion. Faraday Discussions, 2019, 219, 183-188.	1.6	0
159	New directions in surface functionalization and characterization: general discussion. Faraday Discussions, 2019, 219, 252-261.	1.6	0
160	Glycopolymer Conjugates: Preparation and Functions. , 2021, , 250-262.		0
161	Bio-inert Properties of TEG Modified Dendrimer Interface. Analytical Sciences, 2021, 37, 519-523.	0.8	0
162	Enrichment of Uncommon Bacteria in Soil by Fractionation Using a Metal Mesh Device. Analytical Sciences, 2021, 37, 1295-1300.	0.8	0

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163	Preparation and Properties of Dendritic sugar Immobilized Surface. Transactions of the Materials Research Society of Japan, 2008, 33, 733-736.	0.2	0
164	Practical application of sugar microarrays. Trends in Glycoscience and Glycotechnology, 2008, 20, 227-228.	0.0	0
165	Inhibition of Protein Amyloidosis by Glycomaterials. Trends in Glycoscience and Glycotechnology, 2009, 21, 324-334.	0.0	0
166	Monolayer formation of hydrocarbons with various reactive groups via photochemical reaction on Si(111)-H surface. Transactions of the Materials Research Society of Japan, 2010, 35, 797-800.	0.2	0
167	In vivo Imaging with Saccharides. Trends in Glycoscience and Glycotechnology, 2010, 22, 259-260.	0.0	0
168	Separation capability of proteins using microfluidic system with dendrimer modified surface. Transactions of the Materials Research Society of Japan, 2011, 36, 541-544.	0.2	0
169	Biomaterial Fabrication by Glycoconjugates. Journal of the Society of Powder Technology, Japan, 2011, 48, 124-131.	0.0	0
170	Inhibition of Amyloid Aggregation by Polymers Containing Glycosaminoglycan Sulfonate Side Groups. Kobunshi Ronbunshu, 2012, 69, 47-53.	0.2	0
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