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	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
2	Synthesis of Glycopolymers Carrying 3â€²-Sialyllactose for Suppressing Inflammatory Reaction via Siglec-E. Chemistry Letters, 2022, 51, 308-311.	0.7	2
3	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
4	De Novo Design of Star-Shaped Glycoligands with Synthetic Polymer Structures toward an Influenza Hemagglutinin Inhibitor. Biomacromolecules, 2022, 23, 1232-1241.	2.6	2
5	Polymer Nanoparticles with Uniform Monomer Sequences for Sequenceâ€Specific Peptide Recognition. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
6	Effect of Catalyst Support in B12-Based Heterogeneous Catalysts for Catalytic Alkane Oxidations. Bulletin of the Chemical Society of Japan, 2022, 95, 1250-1252.	2.0	0
7	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
8	Glycopolymer Conjugates: Preparation and Functions. , 2021, , 250-262.		0
9	Screening of a glycopolymer library for GM1 mimetics synthesized by the â€œcarbohydrate module methodâ€• Chemical Communications, 2021, 57, 10871-10874.	2.2	6
10	Bio-inert Properties of TEG Modified Dendrimer Interface. Analytical Sciences, 2021, 37, 519-523.	0.8	0
11	Influence of Monomer Structures for Polymeric Multivalent Ligands: Consideration of the Molecular Mobility of Glycopolymers. Biomacromolecules, 2021, 22, 3119-3127.	2.6	12
12	Assembly of Defect-Free Microgel Nanomembranes for CO₂ Separation. ACS Applied Materials & Interfaces, 2021, 13, 30030-30038.	4.0	18
13	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
14	Rational Design of Thermocells Driven by the Volume Phase Transition of Hydrogel Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 32184-32192.	4.0	11
15	Enrichment of Uncommon Bacteria in Soil by Fractionation Using a Metal Mesh Device. Analytical Sciences, 2021, 37, 1295-1300.	0.8	0
16	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
17	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
18	Homogeneous Oligomeric Ligands Prepared via Radical Polymerization that Recognize and Neutralize a Target Peptide. Angewandte Chemie, 2020, 132, 689-693.	1.6	3

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19	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
20	Fine-tuning of the surface porosity of micropatterned polyethersulfone membranes prepared by phase separation micromolding. Polymer Journal, 2020, 52, 397-403.	1.3	10
21	Multi-block and sequence-controlled polymerization of glycopolymers, and interaction with lectin. European Polymer Journal, 2020, 140, 110044.	2.6	6
22	Thermocells Driven by Phase Transition of Hydrogel Nanoparticles. Journal of the American Chemical Society, 2020, 142, 17318-17322.	6.6	54
23	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
24	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
25	Polystyreneâ€Supported PPh‹sub›3‹/sub› 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
26	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
27	Spatiotemporal monitoring of intracellular metabolic dynamics by resonance Raman microscopy with isotope labeling. RSC Advances, 2020, 10, 16679-16686.	1.7	4
28	Affinity purification of multifunctional oligomeric ligands synthesizedviacontrolled radical polymerization. Journal of Materials Chemistry B, 2020, 8, 5597-5601.	2.9	3
29	Controlling the block sequence of multi-block oligomer ligands for neutralization of a target peptide. Materials Advances, 2020, 1, 604-608.	2.6	2
30	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
31	Controlled polymerization for the development of bioconjugate polymers and materials. Journal of Materials Chemistry B, 2020, 8, 2010-2019.	2.9	24
32	Preparation of palladium-loaded polymer hydrogel catalysts with high durability and recyclability. Polymer Journal, 2020, 52, 671-679.	1.3	12
33	Development of Macroporous Polymer Monolith Immobilizing L-Proline-Based Organocatalyst and Application to Flow Asymmetric Aldol Addition Reaction. Kagaku Kogaku Ronbunshu, 2020, 46, 77-83.	0.1	0
34	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
35	Fibronectin Coating on Implant Material Surface Attracted Both Osteoblasts and Bacteria. Chemistry Letters, 2019, 48, 764-767.	0.7	1
36	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

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37	Amplification of Sensor Signals from Metal Mesh Device with Fine Periodic Structure. Analytical Sciences, 2019, 35, 619-623.	0.8	3
38	Biopolymer monolith for protein purification. Faraday Discussions, 2019, 219, 154-167.	1.6	2
39	Topological Design of Star Glycopolymers for Controlling the Interaction with the Influenza Virus. Bioconjugate Chemistry, 2019, 30, 1192-1198.	1.8	36
40	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
41	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
42	Glycopolymer preparation via post-polymerization modification using N-succinimidyl monomers. Polymer Journal, 2019, 51, 617-625.	1.3	6
43	Glycan interactions on glycocalyx mimetic surfaces: general discussion. Faraday Discussions, 2019, 219, 183-188.	1.6	0
44	New directions in surface functionalization and characterization: general discussion. Faraday Discussions, 2019, 219, 252-261.	1.6	0
45	Preparation of multivalent glycan micro- and nano-arrays: general discussion. Faraday Discussions, 2019, 219, 128-137.	1.6	1
46	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
47	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
48	Glycan-related Materials and their use for Biomaterials. , 2019, , 329-351.		0
49	Controlling the lectin recognition of glycopolymersviadistance arrangement of sugar blocks. Chemical Communications, 2018, 54, 82-85.	2.2	43
50	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
51	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
52	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
53	Self-Assembly of a Double Hydrophilic Block Glycopolymer and the Investigation of Its Mechanism. Langmuir, 2018, 34, 8591-8598.	1.6	21
54	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

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55	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
56	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
57	Syntheses and Functions of Glycosaminoglycan Mimicking Polymers. , 2018, , 213-224.		0
58	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
59	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
60	Macroporous Monolith with Polymer Gel Matrix as Continuous-flow Catalytic Reactor. Chemistry Letters, 2017, 46, 1065-1067.	0.7	12
61	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
62	A polymer nanoparticle with engineered affinity for a vascular endothelial growth factor (VEGF165). Nature Chemistry, 2017, 9, 715-722.	6.6	125
63	Glycoglycan Mimic by Synthetic Polymers. ACS Symposium Series, 2017, , 69-77.	0.5	0
64	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
65	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
66	Monitoring Photosynthetic Activity in Microalgal Cells by Raman Spectroscopy with Deuterium Oxide as a Tracking Probe. ChemBioChem, 2017, 18, 2063-2068.	1.3	9
67	Design of Glycopolymers Carrying Sialyl Oligosaccharides for Controlling the Interaction with the Influenza Virus. Biomacromolecules, 2017, 18, 4385-4392.	2.6	52
68	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
69	SPR study for analysis of a water-soluble glycopolymer interface and molecular recognition properties. Polymer Journal, 2017, 49, 255-262.	1.3	11
70	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
71	Macroporous Gel with a Permeable Reaction Platform for Catalytic Flow Synthesis. ACS Omega, 2017, 2, 8796-8802.	1.6	17
72	Quantitative Measurement of Protein Using Metal Mesh Device. Analytical Sciences, 2017, 33, 1033-1039.	0.8	6

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73	Biofunctional Characteristics of Dendritic Glycocluster Modified Surfaces. Kobunshi Ronbunshu, 2017, 74, 1-9.	0.2	1
74	Polymer microgel particles as basic catalysts for Knoevenagel condensation in water. Polymer Journal, 2016, 48, 897-904.	1.3	16
75	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
76	Polyacrylamide backbones for polyvalent bioconjugates using â€œpost-clickâ€•chemistry. Polymer Chemistry, 2016, 7, 5920-5924.	1.9	9
77	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
78	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
79	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
80	Synthesis of well-controlled glycopolymers bearing oligosaccharides and their interactions with influenza viruses. Polymer Journal, 2016, 48, 745-749.	1.3	23
81	Development of glycosaminoglycan mimetics using glycopolymers. Polymer Journal, 2016, 48, 229-237.	1.3	25
82	Glycopolymer Nanobiotechnology. Chemical Reviews, 2016, 116, 1673-1692.	23.0	249
83	Interaction between Multimeric Sulfated Saccharides and Alzheimer Amyloid Î² (1-42). Chemistry Letters, 2015, 44, 1482-1484.	0.7	4
84	Inverse pH-response of Temperature-sensitive Copolymers by Combination with Porous CaCO3 Framework. Chemistry Letters, 2015, 44, 1425-1427.	0.7	1
85	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
86	Optimization of Poly(N-isopropylacrylamide) as an Artificial Amidase. Biomacromolecules, 2015, 16, 411-421.	2.6	24
87	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
88	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
89	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
90	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

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91	Membrane reactor immobilized with palladiumâ€loaded polymer nanogel for continuousâ€flow Suzuki coupling reaction. AIChE Journal, 2015, 61, 582-589.	1.8	18
92	Specific detection of Escherichia coli by using metallic mesh sensor in THz region. , 2014, , .		2
93	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
94	Polymer-modified gold nanoparticles via RAFT polymerization: a detailed study for a biosensing application. Polymer Chemistry, 2014, 5, 931-939.	1.9	70
95	Temperatureâ€Responsive Microgel Films as Reversible Carbon Dioxide Absorbents in Wet Environment. Angewandte Chemie - International Edition, 2014, 53, 2654-2657.	7.2	71
96	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
97	Signal amplified two-dimensional photonic crystal biosensor immobilized with glyco-nanoparticles. Journal of Materials Chemistry B, 2014, 2, 3324-3332.	2.9	27
98	Effect of Physical Properties of Nanogel Particles on the Kinetic Constants of Multipoint Protein Recognition Process. Biomacromolecules, 2014, 15, 541-547.	2.6	25
99	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
100	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
101	Novel Detection Technique for Particulate Matter in Air Using Metal Mesh Device Sensors. Chemistry Letters, 2014, 43, 408-410.	0.7	15
102	Biotinylation of Silicon and Nickel Surfaces and Detection of Streptavidin as Biosensor. Langmuir, 2013, 29, 9457-9463.	1.6	36
103	Syntheses of sulfated glycopolymers and analyses of their BACE-1 inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6390-6395.	1.0	15
104	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
105	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
106	Glycosaminoglycan model polymers with Poly(Î³-glutamate) backbone to inhibit aggregation of Î²-Amyloid peptide. Polymer Journal, 2013, 45, 359-362.	1.3	5
107	Preparation of Palladium-loaded Polymer Nanoparticles with Catalytic Activity for Hydrogenation and Suzuki Coupling Reactions. Chemistry Letters, 2013, 42, 301-303.	0.7	12
108	Molecular Recognition of Glycopolymer Interface. , 2013, , .		1

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109	Syntheses of Sulfo-Glycodendrimers Using Click Chemistry and Their Biological Evaluation. Molecules, 2012, 17, 11877-11896.	1.7	14
110	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
111	Design and synthesis of well-defined glycopolymers for the control of biological functionalities. Polymer Journal, 2012, 44, 679-689.	1.3	123
112	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
113	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
114	Bioseparation by Saccharide Modified Materials. Trends in Glycoscience and Glycotechnology, 2012, 24, 134-135.	0.0	0
115	Glyco-Interface to Mimic the Cell Surface Functions. Membrane, 2012, 37, 282-287.	0.0	1
116	Selective Protein Separation Using Siliceous Materials with a Trimethoxysilane-Containing Glycopolymer. ACS Applied Materials & Interfaces, 2012, 4, 411-417.	4.0	37
117	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
118	Inhibition of Amyloid Aggregation by Polymers Containing Glycosaminoglycan Sulfonate Side Groups. Kobunshi Ronbunshu, 2012, 69, 47-53.	0.2	0
119	A specific inhibitory effect of multivalent trehalose toward AÎ²(1-40) aggregation. Polymer Chemistry, 2011, 2, 1822.	1.9	32
120	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
121	Encapsulation of Polythiophene by Glycopolymer for Water-soluble Nanowire. Chemistry Letters, 2011, 40, 864-866.	0.7	7
122	Electrochemical assay for saccharideâ€“protein interactions using glycopolymer-modified gold nanoparticles. Electrochemistry Communications, 2011, 13, 830-833.	2.3	21
123	Bioinert surface to protein adsorption with higher generation of dendrimer SAMs. Colloids and Surfaces B: Biointerfaces, 2011, 84, 280-284.	2.5	12
124	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
125	Biomaterial Fabrication by Glycoconjugates. Journal of the Society of Powder Technology, Japan, 2011, 48, 124-131.	0.0	0
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	Thermoresponsive Biointerface with a Elastin Model Peptide. Kobunshi Ronbunshu, 2010, 67, 584-589.	0.2	0
128	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
129	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
130	Biological specific recognition of glycopolymer- modified interfaces by RAFT living radical polymerization. Polymer Journal, 2010, 42, 172-178.	1.3	34
131	Aggregation of Alzheimer Amyloid Î² Peptide (1â^'42) on the Multivalent Sulfonated Sugar Interface. Bioconjugate Chemistry, 2010, 21, 1079-1086.	1.8	31
132	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
133	In vivo Imaging with Saccharides. Trends in Glycoscience and Glycotechnology, 2010, 22, 259-260.	0.0	0
134	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
135	Î±-Man monolayer formation via Siâ€“C bond formation and protein recognition. Thin Solid Films, 2009, 518, 699-702.	0.8	5
136	Dendritic sugar-microarrays by click chemistry. Thin Solid Films, 2009, 518, 880-888.	0.8	43
137	Preparation of glycopolymerâ€substituted gold nanoparticles and their molecular recognition. Journal of Polymer Science Part A, 2009, 47, 1412-1421.	2.5	72
138	Immobilization of Polyrotaxane on a Solid Substrate as the Design of Dynamic Surface. Polymer Journal, 2009, 41, 952-953.	1.3	10
139	Inhibition of Protein Amyloidosis by Glycomaterials. Trends in Glycoscience and Glycotechnology, 2009, 21, 324-334.	0.0	0
140	Amyloid-Î² detection with saccharide immobilized gold nanoparticle on carbon electrode. Bioelectrochemistry, 2008, 74, 118-123.	2.4	129
141	The self-assembled monolayer of saccharide via click chemistry: Formation and protein recognition. Thin Solid Films, 2008, 516, 2443-2449.	0.8	31
142	Inhibition of Alzheimer amyloid Î² aggregation by polyvalent trehalose. Science and Technology of Advanced Materials, 2008, 9, 024407.	2.8	18
143	Inhibition of Alzheimer Amyloid Aggregation with Sulfate Glycopolymers. Advances in Science and Technology, 2008, 57, 166-169.	0.2	2
144	Synthesis of Glycodendrimer via Click Chemistry and Protein Affinities. Transactions of the Materials Research Society of Japan, 2008, 33, 729-732.	0.2	2

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145	Preparation and Properties of Dendritic sugar Immobilized Surface. Transactions of the Materials Research Society of Japan, 2008, 33, 733-736.	0.2	0
146	Practical application of sugar microarrays. Trends in Glycoscience and Glycotechnology, 2008, 20, 227-228.	0.0	0
147	A Micropatterned Multifunctional Carbohydrate Display by an Orthogonal Self-Assembling Strategy. Biomacromolecules, 2007, 8, 753-756.	2.6	25
148	Inhibition of Alzheimer Amyloid Aggregation with Sulfated Glycopolymers. Biomacromolecules, 2007, 8, 2129-2134.	2.6	92
149	Self-Assembly of Semifluorinated Minidendrons Attached to Electron-Acceptor Groups into Pyramidal Columns. Chemistry - A European Journal, 2007, 13, 3330-3345.	1.7	74
150	A micropatterned carbohydrate display for tissue engineering by self-assembly of heparin. Surface Science, 2007, 601, 3871-3875.	0.8	6
151	Synthesis and properties of a wellâ€defined glycopolymer via living radical polymerization. Polymers for Advanced Technologies, 2007, 18, 647-651.	1.6	37
152	Synthesis and biological application of glycopolymers. Journal of Polymer Science Part A, 2007, 45, 5031-5036.	2.5	132
153	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
154	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
155	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
156	Helical Porous Protein Mimics Self-Assembled from Amphiphilic Dendritic Dipeptides. Australian Journal of Chemistry, 2005, 58, 472.	0.5	47
157	Self-assembly of amphiphilic dendritic dipeptides into helical pores. Nature, 2004, 430, 764-768.	13.7	613
158	Chemoenzymatic synthesis of glycoconjugate polymers starting from nonreducing disaccharides. Journal of Polymer Science Part A, 2004, 42, 4598-4606.	2.5	23
159	Micropatterned Carbohydrate Displays by Self-Assembly of Glycoconjugate Polymers on Hydrophobic Templates on Silicon. Biomacromolecules, 2004, 5, 1708-1713.	2.6	34
160	Peptides binding to a Gb3 mimic selected from a phage library. Biochimica Et Biophysica Acta - General Subjects, 2004, 1673, 131-138.	1.1	23
161	Chemoenzymatic Synthesis of a Multivalent Aminoglycoside. Macromolecular Bioscience, 2003, 3, 662-667.	2.1	4
162	Patterned Adsorption of Protein onto a Carbohydrate Monolayer Immobilized on Si. Langmuir, 2003, 19, 9107-9109.	1.6	35

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163	Chemoenzymatically Synthesized Glycoconjugate Polymersâ€. Biomacromolecules, 2003, 4, 410-415.	2.6	82
164	Chemoenzymatic synthesis of glycoconjugate polymers: greening the synthesis of biomaterials. Green Chemistry, 2003, 5, 610.	4.6	28
165	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
166	Electronic transport in self-organizing columnar phases. , 2003, , .		1
167	Self-organization of supramolecular helical dendrimers into complex electronic materials. Nature, 2002, 419, 384-387.	13.7	938
168	Self-assembled monolayers of globotriaosylceramide (Gb3) mimics: surface-specific affinity with shiga toxins. Analytical Biochemistry, 2002, 310, 27-35.	1.1	55
169	Cation recognition by self-assembled monolayers of oriented helical peptides having a crown ether unit. Biopolymers, 2000, 55, 391-398.	1.2	17
170	Preparation and functions of self-assembled monolayers of helix peptides. Journal of Polymer Science Part A, 2000, 38, 4826-4831.	2.5	6
171	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
172	Self-Assembly of Î±-Helix Peptide/Crown Ether Conjugate upon Complexation with Ammonium-Terminated Alkanethiolate. Langmuir, 1998, 14, 2761-2767.	1.6	35
173	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
174	Polymer Nanoparticles with Uniform Monomer Sequences for Sequence Specific Peptide Recognition. Angewandte Chemie, 0, , .	1.6	1