

# Toshinori Sato

## List of Publications by Year in descending order

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159  
papers

3,920  
citations

126907

33  
h-index

149698

56  
g-index

164  
all docs

164  
docs citations

164  
times ranked

4031  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro gene delivery mediated by chitosan. Effect of pH, serum, and molecular mass of chitosan on the transfection efficiency. <i>Biomaterials</i> , 2001, 22, 2075-2080.	11.4	433
2	Mechanism of cell transfection with plasmid/chitosan complexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1514, 51-64.	2.6	298
3	Hyaluronic acid and its derivative as a multi-functional gene expression enhancer: Protection from non-specific interactions, adhesion to targeted cells, and transcriptional activation. <i>Journal of Controlled Release</i> , 2006, 112, 382-388.	9.9	142
4	Lactosylated Chitosan for DNA Delivery into Hepatocytes: The Effect of Lactosylation on the Physicochemical Properties and Intracellular Trafficking of pDNA/Chitosan Complexes. <i>Bioconjugate Chemistry</i> , 2006, 17, 309-316.	3.6	113
5	Age-dependent high-density clustering of GM1 ganglioside at presynaptic neuritic terminals promotes amyloid $\beta$ -protein fibrillogenesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2717-2726.	2.6	113
6	Sialic Acid-Mimic Peptides As Hemagglutinin Inhibitors for Anti-Influenza Therapy. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4441-4449.	6.4	101
7	Encapsulation of glucose oxidase (GOD) in polyelectrolyte complexes of chitosan and carrageenan. <i>Reactive and Functional Polymers</i> , 2010, 70, 19-27.	4.1	89
8	A newly developed immunoliposome an egg phosphatidylcholine liposome coated with pullulan bearing both a cholesterol moiety and an IgMs fragment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 898, 323-330.	2.6	86
9	Recent aspects in the use of liposomes in biotechnology and medicine. <i>Progress in Lipid Research</i> , 1992, 31, 345-372.	11.6	86
10	A Peptide Motif Recognizing a Polymer Stereoregularity. <i>Journal of the American Chemical Society</i> , 2005, 127, 13780-13781.	13.7	86
11	Naturally occurring polysaccharide derivatives which behave as an artificial cell wall on an artificial cell liposome. <i>Macromolecules</i> , 1992, 25, 5665-5670.	4.8	70
12	Gene Transfer by DNA/mannosylated Chitosan Complexes into Mouse Peritoneal Macrophages. <i>Biotechnology Letters</i> , 2006, 28, 815-821.	2.2	67
13	Binding of influenza A virus to monosialoganglioside (GM3) reconstituted in glucosylceramide and sphingomyelin membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1285, 14-20.	2.6	65
14	Inhibition of Influenza Virus Infections by Sialylgalactose-Binding Peptides Selected from a Phage Library. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4247-4256.	6.4	65
15	Selection of ganglioside GM1-binding peptides by using a phage library. <i>FEBS Letters</i> , 1999, 456, 253-256.	2.8	59
16	Azido glycoside primer: a versatile building block for the biocombinatorial synthesis of glycosphingolipid analogues. <i>Carbohydrate Research</i> , 2000, 329, 755-763.	2.3	54
17	Highly sensitive detection of influenza virus by boron-doped diamond electrode terminated with sialic acid-mimic peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8981-8984.	7.1	54
18	Design of Glycopolymers Carrying Sialyl Oligosaccharides for Controlling the Interaction with the Influenza Virus. <i>Biomacromolecules</i> , 2017, 18, 4385-4392.	5.4	52

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19	Synthesis and Influenza Virus Inhibitory Activities of Carbosilane Dendrimers Peripherally Functionalized with Hemagglutinin-Binding Peptide. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8332-8339.	6.4	47
20	The distinction of underivatized monosaccharides using electrospray ionization ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 191-198.	1.5	46
21	The effects of coating pDNA/chitosan complexes with chondroitin sulfate on physicochemical characteristics and cell transfection. <i>Biomaterials</i> , 2012, 33, 7251-7260.	11.4	45
22	Amyloid- $\beta$ fibrils assembled on ganglioside-enriched membranes contain both parallel $\beta$ -sheets and turns. <i>Journal of Biological Chemistry</i> , 2018, 293, 14146-14154.	3.4	44
23	Brain insulin resistance accelerates $\text{A}\beta$ fibrillogenesis by inducing GM1 ganglioside clustering in the presynaptic membranes. <i>Journal of Neurochemistry</i> , 2012, 121, 619-628.	3.9	43
24	Synthesis and characterization of 1,2-dimyristoylamido-1,2-deoxyphosphatidylcholine as an artificial boundary lipid. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1024, 209-219.	2.6	40
25	Quantitative measurements of the interaction between monosialoganglioside monolayers and wheat germ agglutinin (WGA) by a quartz-crystal microbalance. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1380, 82-92.	2.4	40
26	Receptor-independent augmentation of adenovirus-mediated gene transfer with chitosan in vitro. <i>Biomaterials</i> , 2002, 23, 4573-4579.	11.4	40
27	EVIDENCE FOR STACKING OF CATIONIC PORPHYRIN IN AQUEOUS SOLUTION. <i>Chemistry Letters</i> , 1983, 12, 1867-1870.	1.3	38
28	Morphology and proliferation of B16 melanoma cells in the presence of lanthanoid and $\text{Al}^{3+}$ ions. <i>BioMetals</i> , 1998, 11, 107-112.	4.1	38
29	Density of GM1 in Nanoclusters Is a Critical Factor in the Formation of a Spherical Assembly of Amyloid $\beta$ -Protein on Synaptic Plasma Membranes. <i>Langmuir</i> , 2013, 29, 2258-2264.	3.5	36
30	Topological Design of Star Glycopolymers for Controlling the Interaction with the Influenza Virus. <i>Bioconjugate Chemistry</i> , 2019, 30, 1192-1198.	3.6	36
31	Avian Influenza Virus Detection by Optimized Peptide Termination on a Boron-Doped Diamond Electrode. <i>ACS Sensors</i> , 2020, 5, 431-439.	7.8	35
32	Imbalance in Fatty-Acid-Chain Length of Gangliosides Triggers Alzheimer Amyloid Deposition in the Precuneus. <i>PLoS ONE</i> , 2015, 10, e0121356.	2.5	35
33	Macrophage Activation by Poly(maleic acid-alt-2-cyclohexyl-1,3-dioxap-5-ene) Encapsulated in Polysaccharide-Coated Liposomes. <i>Journal of Bioactive and Compatible Polymers</i> , 1986, 1, 448-460.	2.1	34
34	Preparation and Characterization of DNA-Lipoglutamate Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 2709-2715.	3.2	33
35	Fluorescence quenching of water-soluble porphyrins. A novel fluorescence quenching of anionic porphyrin by anionic anthraquinone. <i>The Journal of Physical Chemistry</i> , 1983, 87, 566-569.	2.9	32
36	Size and Shape of Amyloid Fibrils Induced by Ganglioside Nanoclusters: Role of Sialyl Oligosaccharide in Fibril Formation. <i>Langmuir</i> , 2017, 33, 13874-13881.	3.5	32

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37	Potent Immunomodulating Activities of Polyvinyladenine and (Vinyladenine-Alt-Maleic Acid) Copolymer. <i>Journal of Bioactive and Compatible Polymers</i> , 1989, 4, 124-136.	2.1	28
38	Fluorous-tagged compound: a viable scaffold to prime oligosaccharide synthesis by cellular enzymes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 599-604.	2.1	28
39	Syntheses of Oligosaccharides Using Cell Function. <i>Trends in Glycoscience and Glycotechnology</i> , 2007, 19, 1-17.	0.1	28
40	Induction of in vitro and in vivo anti-tumor responses by sensitization of mice with liposomes containing a crude butanol extract of leukemia cells and transferred inter-membranously with cell-surface proteins. <i>International Journal of Cancer</i> , 1991, 48, 434-442.	5.1	27
41	Facile Preparation of a Fluorescence-labeled Plasmid. <i>Chemistry Letters</i> , 2000, 29, 386-387.	1.3	26
42	Characterization of Protamine as a Transfection Accelerator for Gene Delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 2006, 21, 519-537.	2.1	26
43	Selection of a Carbohydrate-Binding Domain with a Helix~Loop~Helix Structure. <i>Biochemistry</i> , 2008, 47, 6745-6751.	2.5	26
44	Ganglioside GD1a regulation of caveolin-1 and Stim1 expression in mouse FBJ cells: Augmented expression of caveolin-1 and Stim1 in cells with increased GD1a content. <i>Glycoconjugate Journal</i> , 2006, 23, 303-315.	2.7	25
45	In vitro and in vivo gene delivery using chitosan/hyaluronic acid nanoparticles: Influences of molecular mass of hyaluronic acid and lyophilization on transfection efficiency. <i>Journal of Gene Medicine</i> , 2017, 19, e2968.	2.8	24
46	lkoamide, an Antimalarial Lipopeptide from an Okeania sp. Marine Cyanobacterium. <i>Journal of Natural Products</i> , 2020, 83, 481-488.	3.0	24
47	Specific Binding of GM1-Binding Peptides to High-Density GM1 in Lipid Membranes. <i>Langmuir</i> , 2007, 23, 708-714.	3.5	22
48	FLUORESCENCE QUENCHING OF 5,10,15,20-TETRA(4-TOLYL)PORPHINE and ITS ZINC COMPLEX BY QUINONES. CHARGE-TRANSFER INTERACTION and TRANSIENT EFFECT. <i>Photochemistry and Photobiology</i> , 1983, 37, 257-262.	2.5	20
49	Molecular complexes of anionic porphyrin and anionic aromatics. <i>The Journal of Physical Chemistry</i> , 1984, 88, 3678-3682.	2.9	19
50	Physicochemical Stabilization of Lipid Microspheres by Coating with Polysaccharide Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1989, 62, 791-796.	3.2	19
51	Formation of a DNA/polygalactosamine Complex and Its Interaction with Cells. <i>Chemistry Letters</i> , 1996, 25, 725-726.	1.3	19
52	Efficient Sialylation on Azidododecyl Lactosides by Using B16 Melanoma Cells. <i>Chemistry and Biodiversity</i> , 2005, 2, 1063-1078.	2.1	19
53	GM3 Signals Regulating TNF-Alpha Expression Are Mediated by Rictor and Arhgdib in Mouse Melanoma B16 Cells. <i>Oncology</i> , 2007, 73, 430-438.	1.9	19
54	Glycolipid dynamics in generation and differentiation of induced pluripotent stem cells. <i>Scientific Reports</i> , 2015, 5, 14988.	3.3	19

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55	Selective Intracellular Delivery of Ganglioside GM3-Binding Peptide through Caveolae/Raft-Mediated Endocytosis. <i>Biomacromolecules</i> , 2017, 18, 355-362.	5.4	19
56	Acrosome reaction-related steroidal saponin, Co-ARIS, from the starfish induces structural changes in microdomains. <i>Developmental Biology</i> , 2010, 347, 147-153.	2.0	18
57	Synthesis of an ether-linked alkyl 5a-carba- $\beta$ -D-glucoside, a 5a-carba- $\beta$ -D-galactoside, a 2-acetamido-2-deoxy-5a-carba- $\beta$ -D-glucoside, and an alkyl 5a- $\beta$ -carba- $\beta$ -D-lactoside. <i>Carbohydrate Research</i> , 2002, 337, 1979-1992.	2.3	17
58	Fragmin/protamine microparticles to adsorb and protect HGF and to function as local HGF carriers in vivo. <i>Acta Biomaterialia</i> , 2013, 9, 4763-4770.	8.3	17
59	Hoshinoamides A and B, Acyclic Lipopeptides from the Marine Cyanobacterium <i>Caldora penicillata</i> . <i>Journal of Natural Products</i> , 2018, 81, 2545-2552.	3.0	17
60	Synthesis of Various Glycopolymers Bearing Sialyllactose and the Effect of Their Molecular Mobility on Interaction with the Influenza Virus. <i>Biomacromolecules</i> , 2019, 20, 2763-2769.	5.4	17
61	Ganglioside GD1a Negatively Regulates Matrix Metalloproteinase-9 Expression in Mouse FBJ Cell Lines at the Transcriptional Level. <i>Connective Tissue Research</i> , 2007, 48, 198-205.	2.3	16
62	Observations of the distribution of GM3 in membrane microdomains by atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 369-374.	9.4	16
63	Calcium regulates caveolin-1 expression at the transcriptional level. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 334-341.	2.1	16
64	Effective expansion of human adipose-derived stromal cells and bone marrow-derived mesenchymal stem cells cultured on a fragmin/protamine nanoparticles-coated substratum with human platelet-rich plasma. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 955-964.	2.7	16
65	Kohamamides A, B, and C, Cyclic Depsipeptides from an <i>Okeania</i> sp. Marine Cyanobacterium. <i>Journal of Natural Products</i> , 2017, 80, 1948-1952.	3.0	16
66	Cell Specificity of Polysaccharide Derivatives on Liposomal Surface. <i>Chemistry Letters</i> , 1990, 19, 473-476.	1.3	15
67	Binding affinity of GM3 lactone for influenza virus. <i>Glycoconjugate Journal</i> , 1999, 16, 223-227.	2.7	15
68	Cellular Uptake and Saccharide Chain Elongation of $\alpha$ -Fluoro-amphiphilic-Glycosides. <i>Chemistry Letters</i> , 2005, 34, 856-857.	1.3	15
69	Effect of Anomeric Linkage on the Sialylation of Glycosides by Cells. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 705-715.	1.1	15
70	Glycosylation of dodecyl 2-acetamido-2-deoxy- $\beta$ -D-glucopyranoside and dodecyl $\beta$ -D-galactopyranosyl-(1 $\rightarrow$ 4)-2-acetamido-2-deoxy- $\beta$ -D-glucopyranoside as saccharide primers in cells. <i>Carbohydrate Research</i> , 2008, 343, 831-838.	2.3	15
71	Molecular Recognition of Polysaccharide-Coated Liposomes. Importance of Sialic Acid Moiety on Liposomal Surface. <i>Chemistry Letters</i> , 1988, 17, 1781-1784.	1.3	14
72	Positive regulation of tumor necrosis factor- $\alpha$ by ganglioside GM3 through Akt in mouse melanoma B16 cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 438-443.	2.1	14

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73	Structural transition of a 15 amino acid residue peptide induced by GM1. <i>Carbohydrate Research</i> , 2007, 342, 1895-1903.	2.3	14
74	Ganglioside GD1a suppresses TNF $\alpha$ expression via Pkn1 at the transcriptional level in mouse osteosarcoma-derived FBJ cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 230-235.	2.1	14
75	Mebamamides A and B, Cyclic Lipopeptides Isolated from the Green Alga <i>Derbesia marina</i> . <i>Journal of Natural Products</i> , 2015, 78, 901-908.	3.0	14
76	Targeting Cancer therapy in Mice by Use of Newly Developed Immunoliposomes Bearing Adriamycin. <i>Journal of Liposome Research</i> , 1988, 1, 15-33.	3.3	13
77	Polysaccharide-Coated Liposome with Antimicrobial Agents Against Intracytoplasmic Pathogen and Fungus. <i>Journal of Bioactive and Compatible Polymers</i> , 1988, 3, 137-147.	2.1	13
78	Polysaccharide-Coated Liposomal Amphotericin B for the Treatment of Murine Pulmonary Candidiasis.. <i>Tohoku Journal of Experimental Medicine</i> , 1992, 168, 483-490.	1.2	13
79	In Vitro Gene Delivery by pDNA/Chitosan Complexes Coated with Anionic PEG Derivatives that Have a Sugar Side Chain. <i>Chemistry Letters</i> , 2008, 37, 266-267.	1.3	13
80	Heptapeptide ligands against receptor-binding sites of influenza hemagglutinin toward anti-influenza therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1106-1114.	3.0	13
81	Motobamide, an Antitrypanosomal Cyclic Peptide from a <i>Leptolyngbya</i> sp. Marine Cyanobacterium. <i>Journal of Natural Products</i> , 2021, 84, 1649-1655.	3.0	13
82	Membrane Protein Transfer from Human Erythrocyte Ghosts to Liposomes Containing an Artificial Boundary Lipid.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1995, 71, 93-97.	3.8	12
83	Selective Bindings of a Lectin for Phase-separated Glycolipid Monolayers. <i>Chemistry Letters</i> , 1998, 27, 399-400.	1.3	12
84	Structural analysis of glycosphingolipid analogues obtained by the saccharide primer method using CE-ESI-MS. <i>Electrophoresis</i> , 2009, 30, 3519-3526.	2.4	12
85	<i>In vivo</i> gene transfer using pDNA/chitosan/chondroitin sulfate ternary complexes: influence of chondroitin sulfate on the stability of freeze-dried complexes and transgene expression <i>in vivo</i> . <i>Journal of Gene Medicine</i> , 2013, 15, 83-92.	2.8	12
86	Specific Rejection of Glycophorin-Reconstituted Liposomes by Human Phagocytes. <i>Chemistry Letters</i> , 1987, 16, 1935-1938.	1.3	11
87	Targeting chemotherapy of brain tumor using liposome-encapsulated cisplatin. Part 2. Pullulan-coated liposomes to target brain tumor.. <i>Drug Delivery System</i> , 1990, 5, 261-265.	0.0	11
88	Heterogeneous Ganglioside-Enriched Nanoclusters with Different Densities in Membrane Rafts Detected by a Peptidyl Molecular Probe. <i>Langmuir</i> , 2021, 37, 646-654.	3.5	11
89	Polysaccharide-Coated Immunoliposomes Bearing Anti-CEA Fab' Fragment and Their Internalization by CEA-Producing Tumor Cells. <i>Journal of Bioactive and Compatible Polymers</i> , 1988, 3, 195-204.	2.1	10
90	Display of Azido Glycoside on a Sensor Chip. <i>Chemistry Letters</i> , 2004, 33, 580-581.	1.3	10

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91	Involvement of Ext1 and heparanase in migration of mouse FBJ osteosarcoma cells. <i>Molecular and Cellular Biochemistry</i> , 2013, 373, 63-72.	3.1	10
92	Izenamides A and B, Statine-Containing Depsipeptides, and an Analogue from a Marine Cyanobacterium. <i>Journal of Natural Products</i> , 2018, 81, 1673-1681.	3.0	10
93	Novel hemagglutinin-binding sulfated oligofucosides and their effect on influenza virus infection. <i>Chemical Communications</i> , 2018, 54, 7467-7470.	4.1	10
94	Direct Transfer of Membrane Proteins from B16 Melanoma Cell to Artificial Cell Liposome.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1992, 68, 69-74.	3.8	9
95	Accelerated biosynthesis of neolacto-series glycosphingolipids in differentiated mouse embryonal carcinoma F9 cells detected by using dodecyl N-acetylglucosaminide as a saccharide primer. <i>Journal of Biochemistry</i> , 2011, 149, 321-330.	1.7	9
96	Three-Dimensional Expansion Using Plasma-Medium Gel with Fragmin/Protamine Nanoparticles and FGF-2 to Stimulate Adipose-Derived Stromal Cells and Bone Marrow-Derived Mesenchymal Stem Cells. <i>BioResearch Open Access</i> , 2012, 1, 314-323.	2.6	9
97	Anticancer Activity of Polyunsaturated Fatty Acid Emulsion Stabilized by Hydrophobized Polysaccharide. <i>Journal of Bioactive and Compatible Polymers</i> , 1993, 8, 305-316.	2.1	8
98	Incorporation of glycosylated amino acid into protein by an in vitro translation system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5634-5636.	2.2	8
99	Ganglioside GD1a negatively regulates hepatocyte growth factor expression through caveolin-1 at the transcriptional level in murine osteosarcoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 759-768.	2.4	7
100	GM3 suppresses anchorage-independent growth via Rho GDP dissociation inhibitor beta in melanoma B16 cells. <i>Cancer Science</i> , 2011, 102, 1476-1485.	3.9	7
101	Carbohydrate recognition by pentadecapeptide ligands for a series of sialylated oligosaccharides. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6452-6458.	3.0	7
102	Glycosylation of N-lauryl-O-( $\beta$ -D-xylopyranosyl)-l-serinamide as a saccharide primer in cells. <i>Carbohydrate Research</i> , 2012, 361, 33-40.	2.3	7
103	Effective Transfer of Membrane Proteins from Intact Cells to Liposomes and Preparation of Liposomal Vaccines. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 116-127.	3.8	6
104	Physicochemical Perturbation of $\alpha$ -Linolenic Acid Related to Cell Proliferation. <i>Bulletin of the Chemical Society of Japan</i> , 1994, 67, 2213-2218.	3.2	6
105	Preparation of a DNA Complex with Lipoglutamide Having Tetraethylene Glycol Tails, and Its Application to DNA Delivery into Tumor Cells. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 2335-2340.	3.2	6
106	Binding Affinity of GM3 Lactone to Wheat Germ Agglutinin. <i>Chemistry Letters</i> , 1997, 26, 669-670.	1.3	6
107	Three-dimensional culture using human plasma-medium gel with fragmin/protamine microparticles for proliferation of various human cells. <i>Cytotechnology</i> , 2014, 66, 791-802.	1.6	6
108	Comparative Quantification Method for Glycosylated Products Elongated on $\beta$ -Xylosides Using a Stable Isotope-Labeled Saccharide Primer. <i>Analytical Chemistry</i> , 2018, 90, 5201-5208.	6.5	6

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109	Lectin-induced aggregation of glycoprotein-reconstituted liposomes.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1987, 1987, 569-574.	0.1	5
110	Characterization, cell uptake, and subcellular distribution of DNA complexes with lipoglutamides having tetraethylene glycol tails. Journal of Biomaterials Science, Polymer Edition, 1998, 9, 31-42.	3.5	5
111	Apparent suppression of MMP-9 activity by GD1a as determined by gelatin zymography. Biochemical and Biophysical Research Communications, 2006, 349, 426-431.	2.1	5
112	Ganglioside GD1a Suppression of NOS2 Expression Via ERK1 Pathway in Mouse Osteosarcoma FBJ Cells. Journal of Cellular Biochemistry, 2010, 110, 1165-1174.	2.6	5
113	GM3 Upregulation of Matrix Metalloproteinase-9 Possibly Through PI3K, AKT, RICTOR, RHOGDI-2, and TNF- $\alpha$ Pathways in Mouse Melanoma B16 Cells. Advances in Experimental Medicine and Biology, 2011, 705, 335-348.	1.6	5
114	Fragmin/Protamine Microparticles (F/P MPs) as Cell Carriers Enhance the Formation and Growth of Tumors In Vivo. Cellular and Molecular Bioengineering, 2011, 4, 476-483.	2.1	5
115	Calcium Phosphate Mineralization Induced by Synthetic Peptides Having Different Distributions in Simulated Body Fluids. Chemistry Letters, 2012, 41, 588-590.	1.3	5
116	Functional Domains of ZFP809 Essential for Nuclear Localization and Gene Silencing. PLoS ONE, 2015, 10, e0139274.	2.5	5
117	Binding of Hemagglutinin and Influenza Virus to a Peptide-Conjugated Lipid Membrane. Frontiers in Microbiology, 2016, 7, 468.	3.5	5
118	Saccharide Primers Comprising Xylosyl-Serine Primed Phosphorylated Oligosaccharides Act as Intermediates in Glycosaminoglycan Biosynthesis. ACS Omega, 2017, 2, 3110-3122.	3.5	5
119	Detection of influenza virus by agglutination using nanoparticles conjugated with a sialic acid-mimic peptide. Polymer Journal, 2020, 52, 261-266.	2.7	5
120	Ganglioside Nanocluster-Targeting Peptidyl Inhibitor Prevents Amyloid $\beta$ Fibril Formation on the Neuronal Membrane. ACS Chemical Neuroscience, 2022, 13, 1868-1876.	3.5	5
121	Development of cell-specific liposome and its application in biotechnology.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1989, 1989, 161-173.	0.1	4
122	Neuroblastoma cells can be classified according to glycosphingolipid expression profiles identified by liquid chromatography-tandem mass spectrometry. International Journal of Oncology, 2010, 37, 1279-88.	3.3	4
123	Selective Expansion of CD34+ Cells from Mouse Bone Marrow Cultured on LH/P MP-Coated Plates with Adequate Cytokines. Journal of Tissue Engineering, 2011, 2, 204173141142541.	5.5	4
124	Multivalent Effect in Influenza Hemagglutinin-Binding Activity of Sugar-Mimic Peptide. Kobunshi Ronbunshu, 2016, 73, 62-68.	0.2	4
125	Responsibility of lipid compositions for the amyloid $\beta$ assembly induced by ganglioside nanoclusters in mouse synaptosomal membranes. Polymer Journal, 2018, 50, 745-752.	2.7	4
126	Formation of a DNA Complex with Lipoglutamide Having Tetraethyleneglycol Tails and Its Interaction with a Tumor Cell. Chemistry Letters, 1995, 24, 755-756.	1.3	3



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127	5a-Carba-glycopyranoside primers: potential building blocks for biocombinatorial synthesis of glycosphingolipid analogues. Carbohydrate Research, 2009, 344, 2088-2092.	2.3	3
128	Physicochemical Properties of pDNA/Chitosan Complexes as Gene Delivery Systems. Current Drug Discovery Technologies, 2011, 8, 329-339.	1.2	3
129	In vitro synthesis of mucin-type O-glycans using saccharide primers comprising GalNAc-Ser and GalNAc-Thr residues. Carbohydrate Research, 2022, 511, 108495.	2.3	3
130	Molecular Tryst Peeping: Detection of Interactions between Nonlabeled Nucleic Acids by Fluorescence Resonance Energy Transfer. Biochemical and Biophysical Research Communications, 2001, 289, 1067-1074.	2.1	2
131	Long time-course monitoring of ZFP809-mediated gene silencing in transgene expression driven by promoters containing MLV-derived PBS. Bioscience, Biotechnology and Biochemistry, 2016, 80, 114-120.	1.3	2
132	Editorial: Perspectives for the Next Generation of Virus Research: Spearheading the Use of Innovative Technologies and Methodologies. Frontiers in Microbiology, 2017, 8, 758.	3.5	2
133	Cell uptake of albumin with synthetic glycolipid.. Drug Delivery System, 1995, 10, 199-200.	0.0	2
134	Accelerated transgene expression of pDNA/polysaccharide complexes by solid-phase reverse transfection and analysis of the cell transfection mechanism. Polymer Journal, 0, , .	2.7	2
135	<i>De Novo</i> Design of Star-Shaped Glycoligands with Synthetic Polymer Structures toward an Influenza Hemagglutinin Inhibitor. Biomacromolecules, 2022, 23, 1232-1241.	5.4	2
136	Damage of Egg Phosphatidylcholine Liposomes by DNA-Binding Cytotoxic Agents. Bulletin of the Chemical Society of Japan, 1991, 64, 1364-1369.	3.2	1
137	O/W-Emulsion as Formed by Cholesterol-Bearing Pullulan.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 186-190.	0.1	1
138	Development of liposome for targeting therapy against brain tumor.. Drug Delivery System, 1992, 7, 109-114.	0.0	1
139	The influence of serum for spreading of tumor cells on synthetic glycolipid films. Journal of Biomaterials Science, Polymer Edition, 1996, 7, 587-599.	3.5	1
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