Lectin-mediated drug targeting: history and application

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Citation Report

#	Article	IF	CITATIONS
1	A New Lectin Family with Structure Similarity to Actinoporins Revealed by the Crystal Structure of Xerocomus chrysenteron Lectin XCL. Journal of Molecular Biology, 2004, 344, 1409-1420.	2.0	64
2	Folate-Mediated Cell Targeting and Cytotoxicity Using Thermoresponsive Microgels. Journal of the American Chemical Society, 2004, 126, 10258-10259.	6.6	298
3	Investigation of lectin-modified insulin liposomes as carriers for oral administration. International Journal of Pharmaceutics, 2005, 294, 247-259.	2.6	153
4	Salmonella-like bioadhesive nanoparticles. Journal of Controlled Release, 2005, 106, 1-13.	4.8	79
5	Ricin Poisoning. JAMA - Journal of the American Medical Association, 2005, 294, 2342.	3.8	541
6	cDNA cloning and functional expression of KM+, the mannose-binding lectin from Artocarpus integrifolia seeds. Biochimica Et Biophysica Acta - General Subjects, 2005, 1726, 251-260.	1.1	22
7	Applications of biomimetic systems in drug delivery. Expert Opinion on Drug Delivery, 2005, 2, 1085-1096.	2.4	34
8	Lectin recognition of a new SOD mimic bioconjugate studied with surface plasmon resonance imaging. Organic and Biomolecular Chemistry, 2006, 4, 610.	1.5	34
9	Beyond carbohydrate binding: new directions in plant lectin research. Organic and Biomolecular Chemistry, 2006, 4, 973.	1.5	136
11	Adhesion Forces between Hybrid Colloidal Particles and Concanavalin A. Langmuir, 2006, 22, 3757-3762.	1.6	16
12	Purification, crystallization and preliminary X-ray crystallographic analysis of rice lectin fromOryza sativa. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 94-96.	0.7	3
13	Lectin-modified solid lipid nanoparticles as carriers for oral administration of insulin. International Journal of Pharmaceutics, 2006, 327, 153-159.	2.6	268
14	Characterization of a single-chain variable fragment (scFv) antibody directed against the human asialoglycoprotein receptor. Biotechnology and Applied Biochemistry, 2006, 44, 65.	1.4	4
15	Tissue engineering by modulated gene deliveryâ~†. Advanced Drug Delivery Reviews, 2006, 58, 535-554.	6.6	51
16	Gastroretentive dosage forms: Overview and special case of Helicobacter pylori. Journal of Controlled Release, 2006, 111, 1-18.	4.8	282
17	Preparation and evaluation of lectin-conjugated PLGA nanoparticles for oral delivery of thymopentin. Journal of Controlled Release, 2006, 116, 337-345.	4.8	160
18	Glycobiology, how to sugar-coat an undergraduate advanced biochemistry laboratory. Biochemistry and Molecular Biology Education, 2006, 34, 369-377.	0.5	4
19	Glycoprotein Targeting and Other Applications of Lectins in Biotechnology. Current Protein and Peptide Science, 2007, 8, 261-271.	0.7	36

#	Article	IF	CITATIONS
20	A Reverse Transfection Technology to Genetically Engineer Adult Stem Cells. Tissue Engineering, 2007, 13, 245-251.	4.9	62
21	Lectin binding and effects in culture on human cancer and non-cancer cell lines: Examination of issues of interest in drug design strategies. Acta Histochemica, 2007, 109, 491-500.	0.9	19
22	Reversible differentiation of Caco-2 cells reveals galectin-9 as a surface marker molecule for human follicle-associated epithelia and M cell-like cells. International Journal of Biochemistry and Cell Biology, 2007, 39, 1886-1901.	1.2	43
23	Structural Basis for the Carbohydrate Recognition of the Sclerotium rolfsii Lectin. Journal of Molecular Biology, 2007, 368, 1145-1161.	2.0	40
24	Lectins: Analytical Tools from Nature. , 2007, , 1-13.		9
25	Lectin Conjugates as Potent, Nonabsorbable CFTR Inhibitors for Reducing Intestinal Fluid Secretion in Cholera. Gastroenterology, 2007, 132, 1234-1244.	0.6	49
26	UEA I-bearing nanoparticles for brain delivery following intranasal administration. International Journal of Pharmaceutics, 2007, 340, 207-215.	2.6	87
27	Engineering of PA-IIL lectin from Pseudomonas aeruginosa – Unravelling the role of the specificity loop for sugar preference. BMC Structural Biology, 2007, 7, 36.	2.3	40
28	Brain delivery of vasoactive intestinal peptide enhanced with the nanoparticles conjugated with wheat germ agglutinin following intranasal administration. Journal of Controlled Release, 2007, 121, 156-167.	4.8	191
29	Lectin-conjugated PLGA nanoparticles loaded with thymopentin: Ex vivo bioadhesion and in vivo biodistribution. Journal of Controlled Release, 2007, 123, 27-38.	4.8	104
30	A diglyceride derivative of methotrexate: Synthesis and cytotoxic activity in addressed liposomes. Pharmaceutical Chemistry Journal, 2007, 41, 297-301.	0.3	4
31	Screening of <i> Aspergillus</i> species for occurrence of lectins and their characterization. Journal of Basic Microbiology, 2008, 48, 112-117.	1.8	33
32	Alternative Drug Delivery Approaches for the Therapy of Inflammatory Bowel Disease. Journal of Pharmaceutical Sciences, 2008, 97, 2878-2891.	1.6	66
33	Hemagglutinating activity and corresponding putative sequence identity fromCurcuma aromatica rhizome. Journal of the Science of Food and Agriculture, 2008, 88, 1025-1034.	1.7	12
34	Chemoenzymatic synthesis, characterization, and controlled release of functional polymeric prodrugs with acyclovir as pendant. Journal of Applied Polymer Science, 2008, 108, 431-437.	1.3	6
35	Polymeric nanoparticles for cancer therapy. Journal of Drug Targeting, 2008, 16, 108-123.	2.1	349
36	Therapeutic Nanoparticles for Drug Delivery in Cancer. Clinical Cancer Research, 2008, 14, 1310-1316.	3.2	2,565
37	The movement of proteins across the insect and tick digestive system. Journal of Insect Physiology, 2008, 54, 319-332.	0.9	60

#	Article	IF	CITATIONS
38	Engineering strategies to enhance nanoparticle-mediated oral delivery. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1549-1570.	1.9	68
39	A novel and efficient and low-cost methodology for purification of Macrotyloma axillare (Leguminosae) seed lectin. International Journal of Biological Macromolecules, 2008, 43, 352-358.	3.6	11
40	Carbohydrate-based experimental therapeutics for cancer, HIV/AIDS and other diseases. Acta Histochemica, 2008, 110, 6-13.	0.9	36
41	Non-viral gene transfection technologies for genetic engineering of stem cells. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 90-104.	2.0	56
42	Poly(N-vinylacetamide) chains enhance lectin-induced biorecognition through the reduction of nonspecific interactions with nontargets. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 453-461.	2.0	15
43	Adhesion characteristics and stability assessment of lectin-modified liposomes for site-specific drug delivery. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 242-249.	1.4	60
44	Calcium Ions Make Phytohemagglutinin Resistant to Trypsin Proteolysis. Journal of Agricultural and Food Chemistry, 2008, 56, 3764-3771.	2.4	12
45	Wheat Germ Agglutinin Functionalized Complexation Hydrogels for Oral Insulin Delivery. Biomacromolecules, 2008, 9, 1293-1298.	2.6	79
46	Testing the effectiveness of nutrient delivery systems. , 2008, , 53-106.		9
47	Structure of the gastrointestinal mucus layer and implications for controlled release and delivery of functional food ingredients. , 2008, , 26-52.		6
48	Tomato Lectin. , 2008, , 165-192.		0
49	Pharmacokinetic Evaluation of Wheat Germ Agglutinin-Grafted Nanoparticles of Mometasone Furoate. Scientia Pharmaceutica, 2009, 77, 123-132.	0.7	2
50	3D-reconstruction of blood vessels by ultramicroscopy. Organogenesis, 2009, 5, 227-230.	0.4	79
51	In vitro/in vivo biorecognition of lectin-immobilized fluorescent nanospheres for human colorectal cancer cells. Journal of Controlled Release, 2009, 134, 2-10.	4.8	44
52	Inorganic Drugâ€Delivery Nanovehicle Conjugated with Cancer ellâ€5pecific Ligand. Advanced Functional Materials, 2009, 19, 1617-1624.	7.8	184
53	Carbohydrate recognition by boronolectins, small molecules, and lectins. Medicinal Research Reviews, 2010, 30, 171-257.	5.0	262
54	Recent developments in carbohydrateâ€decorated targeted drug/gene delivery. Medicinal Research Reviews, 2010, 30, 270-289.	5.0	67
56	Hydrogenâ€Bondâ€Selective Phase Transfer of Nanoparticles across Liquid/Gel Interfaces. Angewandte Chemie - International Edition, 2009, 48, 4953-4956.	7.2	39

		CITATION REPORT		
#	Article		IF	Citations
57	Mucoadhesive drug delivery systems (Review). Pharmaceutical Chemistry Journal, 2009,	43, 200-208.	0.3	55
58	Nanovesicles released by Dictyostelium cells: A potential carrier for drug delivery. Interna Journal of Pharmaceutics, 2009, 380, 206-215.	tional	2.6	33
59	Bioavailability of nanoparticles in nutrient and nutraceutical delivery. Current Opinion in and Interface Science, 2009, 14, 3-15.	Colloid	3.4	688
61	Ligand-based targeted therapy for cancer tissue. Expert Opinion on Drug Delivery, 2009,	6, 285-304.	2.4	199
62	Green glycosylation using ionic liquid to prepare alkyl glycosides for studying carbohydra interactions by SPR. Green Chemistry, 2009, 11, 373-379.	ite–protein	4.6	19
63	Biomimetic Nanowire Coatings for Next Generation Adhesive Drug Delivery Systems. Na 2009, 9, 716-720.	no Letters,	4.5	164
64	Molecular Aspects of Mucoadhesive Carrier Development for Drug Delivery and Improve Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1-20.	d Absorption.	1.9	66
65	Antifungal and Antiproliferative Activities of Lectin from the Rhizomes of Curcuma amari Roscoe. Applied Biochemistry and Biotechnology, 2010, 162, 912-925.	ssima	1.4	35
66	Evaluation of the thermal stability and digestibility of heterologously produced banana le Chemistry, 2010, 120, 1113-1118.	ectin. Food	4.2	17
67	Characterization of two blood–brain barrier mimicking cell lines: Distribution of lectin- and perspectives for drug delivery. International Journal of Pharmaceutics, 2010, 387, 34	binding sites 41.	2.6	14
68	Site-specific drug delivery systems within the gastro-intestinal tract: From the mouth to International Journal of Pharmaceutics, 2010, 395, 44-52.	the colon.	2.6	129
69	Thiol functionalized polymethacrylic acid-based hydrogel microparticles for oral insulin d Acta Biomaterialia, 2010, 6, 3072-3080.	elivery.	4.1	74
70	Self-assembled hyaluronic acid nanoparticles for active tumor targeting. Biomaterials, 20	10, 31, 106-114.	5.7	500
71	Diagnosis of early colorectal cancer using lectin-immobilized fluorescent nanospheres. D Delivery System, 2010, 25, 403-410.	rug	0.0	1
72	Drug targeting strategies for the treatment of inflammatory bowel disease: a mechanisti Expert Review of Clinical Immunology, 2010, 6, 543-550.	c update.	1.3	41
73	Extraction and Purification of a Lectin from Red Kidney Bean and Preliminary Immune Fu of the Lectin and Four Chinese Herbal Polysaccharides. Journal of Biomedicine and Biotec 2010, 2010, 1-9.	nction Studies hnology,	3.0	22
74	Systemic and Mucosal Delivery of Drugs within Polymeric Microparticles Produced by Sp BioDrugs, 2010, 24, 359-377.	ray Drying.	2.2	31
75	Preparation and characterization of lectin-conjugated chitosan fluorescent nanoparticles Molecular BioSystems, 2010, 6, 954.		2.9	13

	Сіта	tion Report	
#	Article	IF	CITATIONS
76	Isolation and characterization of a novel fucose-binding lectin from the gill of bighead carp (Aristichthys nobilis). Veterinary Immunology and Immunopathology, 2010, 133, 154-164.	0.5	38
77	Interest of glycolipids in drug delivery: from physicochemical properties to drug targeting. Expert Opinion on Drug Delivery, 2010, 7, 1031-1048.	2.4	68
78	Synthesis of Hollow Silica Spheres with Hierarchical Shell Structure by the Dual Action of Liquid Indium Microbeads in Vapor–Liquid–Solid Growth. Langmuir, 2011, 27, 7996-7999.	1.6	5
79	Nanoparticle-Based Biocompatible and Targeted Drug Delivery: Characterization and in Vitro Studies. Biomacromolecules, 2011, 12, 3205-3212.	2.6	55
80	Nanoengineered Surfaces Enhance Drug Loading and Adhesion. Nano Letters, 2011, 11, 1076-1081.	4.5	32
82	Synthesis of glycosylated peptides by NCA polymerization for recognition of human T-cells. Polymer Chemistry, 2011, 2, 2239.	1.9	31
83	Comparative Study of the Phototoxicity of Long-Wavelength Photosensitizers Targeted by the MornigaG Lectin. Bioconjugate Chemistry, 2011, 22, 1337-1344.	1.8	7
84	Nanoparticles with targeting, triggered release, and imaging functionality for cancer applications. Soft Matter, 2011, 7, 839-856.	1.2	113
85	In vitro and in vivo evaluation of WGA–carbopol modified liposomes as carriers for oral peptide delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 216-224.	2.0	86
86	Effect of the Lectin of Bauhinia variegata and Its Recombinant Isoform on Surgically Induced Skin Wounds in a Murine Model. Molecules, 2011, 16, 9298-9315.	1.7	21
87	Intestinal receptor targeting for peptide delivery: an expert's personal perspective on reasons for failure and new opportunities. Therapeutic Delivery, 2011, 2, 1575-1593.	1.2	21
89	"Smart―Nanocarriers: A New Paradigm for Tumor Targeting Drug Delivery Systems. Drug Delivery Letters, 2011, 1, 67-84.	0.2	0
90	Effect of Lectins from Diocleinae Subtribe against Oral Streptococci. Molecules, 2011, 16, 3530-3543.	1.7	25
91	Lectin-Immobilized Fluorescent Nanospheres for Targeting to Colorectal Cancer from a Physicochemical Perspective. Current Drug Discovery Technologies, 2011, 8, 367-378.	0.6	11
92	Application of Ulex europaeus Agglutinin l-Modified Liposomes for Oral Vaccine: Ex Vivo Bioadhesion and in Vivo Immunity. Chemical and Pharmaceutical Bulletin, 2011, 59, 618-623.	0.6	7
93	Design and synthesis of perfluorinated amphiphilic copolymers: Smart nanomicelles for theranostic applications. Polymer, 2011, 52, 4727-4735.	1.8	18
94	A potential of peanut agglutinin-immobilized fluorescent nanospheres as a safe candidate of diagnostic drugs for colonoscopy. European Journal of Pharmaceutical Sciences, 2011, 42, 340-347.	1.9	14
95	Mannosyl-coated nanocomplexes from amphiphilic cyclodextrins and pDNA for site-specific gene delivery. Biomaterials, 2011, 32, 7263-7273.	5.7	96

#	Article	IF	CITATIONS
96	Molecular Characterization and Mitogenic Activity of a Lectin from Purse Crab Philyra Pisum. Korean Journal of Physiology and Pharmacology, 2011, 15, 241.	0.6	8
97	A glycobiology review: Carbohydrates, lectins and implications in cancer therapeutics. Acta Histochemica, 2011, 113, 236-247.	0.9	349
98	Towards sugar derivatives as toxin-blocking pharmaceuticals: STD NMR spectroscopy as versatile tool for affinity assessment in drug development. Comptes Rendus Chimie, 2011, 14, 96-101.	0.2	3
99	PEGylation of hyaluronic acid nanoparticles improves tumor targetability in vivo. Biomaterials, 2011, 32, 1880-1889.	5.7	298
100	Identification and Validation of Soy Peptides with In-vitro Hemagglutination Activity. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 833-842.	0.8	2
101	Polymers in Drug Delivery—State of the Art and Future Trends. Advanced Engineering Materials, 2011, 13, B61.	1.6	105
102	Lectin-functionalized carboxymethylated kappa-carrageenan microparticles for oral insulin delivery. Carbohydrate Polymers, 2011, 86, 555-565.	5.1	69
103	Structural basis for ligand recognition in a mushroom lectin: solvent structure as specificity predictor. Carbohydrate Research, 2011, 346, 939-948.	1.1	23
104	Cancer-Targeting Multifunctionalized Gold Nanoparticles in Imaging and Therapy. Current Medicinal Chemistry, 2011, 18, 2086-2102.	1.2	88
105	Drug delivery applications of injectable biomaterials. , 2011, , 95-141.		4
106	Pulmonary Drug Delivery System: A Novel Approach for Drug Delivery. Current Drug Therapy, 2011, 6, 137-151.	0.2	14
107	Characterization of Isoforms of the Lectin Isolated from the Red Algae Bryothamnion seaforthii and Its Pro-Healing Effect. Marine Drugs, 2012, 10, 1936-1954.	2.2	28
108	Concanavalin A conjugated biodegradable nanoparticles for oral insulin delivery. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	43
109	Lectin-coated PLGA microparticles: Thermoresponsive release and in vitro evidence for enhanced cell interaction. International Journal of Pharmaceutics, 2012, 436, 738-743.	2.6	8
110	Structural characterization and antitumor and mitogenic activity of a lectin from the gill of bighead carp (Aristichthys nobilis). Fish Physiology and Biochemistry, 2012, 38, 1815-1824.	0.9	12
111	Mucin Multilayers Assembled through Sugar–Lectin Interactions. Biomacromolecules, 2012, 13, 3401-3408.	2.6	34
112	Strategies for non-invasive delivery of biologics. Journal of Drug Targeting, 2012, 20, 481-501.	2.1	48
113_	Hyaluronic acid-based nanocarriers for intracellular targeting: Interfacial interactions with	2.5	221

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#	Article	IF	CITATIONS
114	Computational prediction of monosaccharide binding free energies to lectins with linear interaction energy models. Journal of Computational Chemistry, 2012, 33, 2340-2350.	1.5	20
115	Characterization and optimization of ArtinM lectin expression in Escherichia coli. BMC Biotechnology, 2012, 12, 44.	1.7	9
116	Challenges in design and characterization of ligand-targeted drug delivery systems. Journal of Controlled Release, 2012, 164, 125-137.	4.8	227
117	Lectin bioconjugates trigger urothelial cytoinvasion – A glycotargeted approach for improved intravesical drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 367-375.	2.0	28
118	Purification and primary structure determination of a galactose-specific lectin from Vatairea guianensis Aublet seeds that exhibits vasorelaxant effect. Process Biochemistry, 2012, 47, 2347-2355.	1.8	21
119	Recent advances in ligand targeted therapy. Journal of Drug Targeting, 2012, 20, 1-22.	2.1	80
120	Isolated Corneal Epithelial Stem Cells Derived from Limbal Biopsies: Use of Lectin as a Marker for Identifying Transient Amplifying Cells. , 2012, , 125-138.		1
121	Formulation, characterization and optimization of Hepatitis B surface antigen (HBsAg)-loaded chitosan microspheres for oral delivery. Pharmaceutical Development and Technology, 2012, 17, 251-258.	1.1	10
122	Stem Cells and Cancer Stem Cells,Volume 3. , 2012, , .		2
123	Ricin poisoning causing death after ingestion of herbal medicine. Annals of Saudi Medicine, 2012, 32, 315-317.	0.5	19
124	Biodistribution and endocytosis of ICAM-1-targeting antibodies versus nanocarriers in the gastrointestinal tract in mice. International Journal of Nanomedicine, 2012, 7, 4223.	3.3	27
125	Recent trends in oral transmucosal drug delivery systems: an emphasis on the soft palatal route. Expert Opinion on Drug Delivery, 2012, 9, 629-647.	2.4	30
126	Theranostic nanoplatforms for simultaneous cancer imaging and therapy: current approaches and future perspectives. Nanoscale, 2012, 4, 330-342.	2.8	393
128	Targeting the Oncofetal Thomsen–Friedenreich Disaccharide Using Jacalinâ€PEG Phthalocyanine Gold Nanoparticles for Photodynamic Cancer Therapy. Angewandte Chemie - International Edition, 2012, 51, 6158-6162.	7.2	99
129	Oral drug delivery with polymeric nanoparticles: The gastrointestinal mucus barriers. Advanced Drug Delivery Reviews, 2012, 64, 557-570.	6.6	1,227
130	A review of glycosylated carriers for drug delivery. Biomaterials, 2012, 33, 4166-4186.	5.7	232
131	Protein-based nanocarriers as promising drug and gene delivery systems. Journal of Controlled Release, 2012, 161, 38-49.	4.8	677
132	Liposomal antibiotics for the treatment of infectious diseases. Expert Opinion on Drug Delivery, 2013, 10, 1515-1532.	2.4	64

#	Article	IF	CITATIONS
133	Carbohydrate Binding and Unfolding of Spatholobus parviflorus Lectin: Fluorescence and Circular Dichroism Spectroscopic Study. Applied Biochemistry and Biotechnology, 2013, 171, 80-92.	1.4	3
134	Triggering effect of N-acetylglucosamine on retarded drug release from a lectin-anchored chitosan nanoparticles-in-microparticles system. International Journal of Pharmaceutics, 2013, 449, 37-43.	2.6	24
135	BEL Â-trefoil: A novel lectin with antineoplastic properties in king bolete (Boletus edulis) mushrooms. Glycobiology, 2013, 23, 578-592.	1.3	50
136	The sweet and sour of serological glycoprotein tumor biomarker quantification. BMC Medicine, 2013, 11, 31.	2.3	67
137	Design, functionalization strategies and biomedical applications of targeted biodegradable/biocompatible polymer-based nanocarriers for drug delivery. Chemical Society Reviews, 2013, 42, 1147-1235.	18.7	1,104
138	Medicinal Applications of Plant Lectins. , 2013, , 55-74.		7
139	Lectin functionalized nanocarriers for gene delivery. Biotechnology Advances, 2013, 31, 552-562.	6.0	29
140	New targeting strategies in drug therapy of inflammatory bowel disease: mechanistic approaches and opportunities. Expert Opinion on Drug Delivery, 2013, 10, 1275-1286.	2.4	22
141	Purification and partial characterization of a new mannose/glucoseâ€specific lectin from <i>Dialium guineense</i> Willd seeds that exhibits toxic effect. Journal of Molecular Recognition, 2013, 26, 351-356.	1.1	7
142	Synergistic targeting/prodrug strategies for intravesical drug delivery — Lectin-modified PLGA microparticles enhance cytotoxicity of stearoyl gemcitabine by contact-dependent transfer. Journal of Controlled Release, 2013, 169, 62-72.	4.8	34
143	A novel cell-based microfluidic multichannel setup—impact of hydrodynamics and surface characteristics on the bioadhesion of polystyrene microspheres. Colloids and Surfaces B: Biointerfaces, 2013, 102, 849-856.	2.5	3
144	Biomaterial strategies to modulate cancer. , 2013, , 417-444.		0
145	Basics and recent advances in peptide and protein drug delivery. Therapeutic Delivery, 2013, 4, 1443-1467.	1.2	542
146	Cyclodextrin-scaffolded glycotransporters for gene delivery. Pure and Applied Chemistry, 2013, 85, 1825-1845.	0.9	16
147	Surface Modification of Liposomes Using Polymer-Wheat Germ Agglutinin Conjugates to Improve the Absorption of Peptide Drugs by Pulmonary Administration. Journal of Pharmaceutical Sciences, 2013, 102, 1281-1289.	1.6	35
148	Purification, Partial Characterization and Immobilization of a Mannose-Specific Lectin from Seeds of Dioclea lasiophylla Mart Molecules, 2013, 18, 10857-10869.	1.7	19
149	BUL: a novel lectin from Bauhinia ungulata L. seeds with fungistatic and antiproliferative activities. BMC Proceedings, 2014, 8, .	1.8	0
150	Glycan-targeted drug delivery for intravesical therapy: in the footsteps of uropathogenic bacteria. Therapeutic Delivery, 2014, 5, 537-553.	1.2	2

ARTICLE IF CITATIONS # Lectin-Grafted PLGA Microcarriers Loaded with Fluorescent Model Drugs: Characteristics, Release 151 0.7 3 Profiles, and Cytoadhesion Studies. Scientia Pharmaceutica, 2014, 82, 193-205. Chitosan-Based Nanoparticles for Mucosal Delivery of RNAi Therapeutics. Advances in Genetics, 2014, 152 0.8 88, 325-352. PEGylated galactosylated cationic liposomes for hepatocytic gene delivery. Colloids and Surfaces B: 153 2.5 33 Biointerfaces, 2014, 122, 482-490. Oral transmucosal drug delivery for pediatric use. Advanced Drug Delivery Reviews, 2014, 73, 50-62. 154 Insights into the binding specificity of wild type and mutated wheat germ agglutinin towards Neu5Acl+(2â€3)Cal: a study by <i>in silico</i> mutations and molecular dynamics simulations. Journal of 155 1.1 13 Molecular Recognition, 2014, 27, 482-492. Polymers for the stabilization and delivery of proteins topically and per os to the insect hemocoel through conjugation with aliphatic polyethylene glycol. Pesticide Biochemistry and Physiology, 2014, 1.6 115, 58-66. Interaction modes and approaches to glycopeptide and glycoprotein enrichment. Analyst, The, 2014, 157 1.7 111 139, 688-704. Two jacalin-related lectins from seeds of the African breadfruit (Treculia africana L.). Bioscience, 0.6 Biotechnology and Biochemistry, 2014, 78, 2036-2044. BUL: A novel lectin from Bauhinia ungulata L. seeds with fungistatic and antiproliferative activities. 159 30 1.8 Process Biochemistry, 2014, 49, 203-209. The development of site-specific drug delivery nanocarriers based on receptor mediation. Journal of 4.8 Controlled Release, 2014, 193, 139-153. RTB Lectin: a novel receptor-independent delivery system for lysosomal enzyme replacement therapies. 161 1.6 27 Scientific Reports, 2015, 5, 14144. Heterologous expression of newly identified galectin-8 from sea urchin embryos produces recombinant protein with lactose binding specificity and anti-adhesive activity. Scientific Reports, 1.6 2015, 5, 17665. Functional Recombinants Designed from a Fetuin/Asialofetuin-Specific Marine Algal Lectin, 163 2.2 5 Rhodobindin. Marine Drugs, 2015, 13, 2183-2195. Toxic proteins in plants. Phytochemistry, 2015, 117, 51-64. 164 1.4 Mucin-controlled drug release from mucoadhesive phenylboronic acid-rich nanoparticles. 165 2.6 17 International Journal of Pharmaceutics, 2015, 479, 261-264. Recent Advances in Tumor Targeting Approaches. Advances in Delivery Science and Technology, 2015, , 41-112. The Chemistry and Biological Activities of Peptides from Amphibian Skin Secretions. Chemical Reviews, 167 23.0 2512015, 115, 1760-1846. Interaction of sugar stabilized silver nanoparticles with the T-antigen specific lectin, jacalin from Artocarpus integrifolia. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 110-116.

#	Article	IF	CITATIONS
169	Main mechanisms to control the drug release. , 2015, , 37-62.		18
170	Determination of the glycosylation-pattern of the middle ear mucosa in guinea pigs. International Journal of Pharmaceutics, 2015, 484, 124-130.	2.6	4
171	Galactose engineered solid lipid nanoparticles for targeted delivery of doxorubicin. Colloids and Surfaces B: Biointerfaces, 2015, 134, 47-58.	2.5	132
172	Marine lectins and their medicinal applications. Applied Microbiology and Biotechnology, 2015, 99, 3755-3773.	1.7	66
173	Toward a magic or imaginary bullet? Ligands for drug targeting to cancer cells: principles, hopes, and challenges. International Journal of Nanomedicine, 2015, 10, 1399.	3.3	66
174	Polymeric nanoparticle drug delivery technologies for oral delivery applications. Expert Opinion on Drug Delivery, 2015, 12, 1459-1473.	2.4	206
175	The concanavalin A model of acute hepatitis in mice. Laboratory Animals, 2015, 49, 12-20.	0.5	199
176	Hybrid Protein–Synthetic Polymer Nanoparticles for Drug Delivery. Advances in Protein Chemistry and Structural Biology, 2015, 98, 93-119.	1.0	9
177	A comprehensive study of interactions between lectins and glycoproteins for the development of effective theranostic nanoagents. Doklady Biochemistry and Biophysics, 2015, 464, 315-318.	0.3	14
178	Cyclam glycoconjugates as lectin ligands and protective agents of metal-induced amyloid aggregation. Journal of Inorganic Biochemistry, 2015, 153, 377-382.	1.5	10
179	Structure and Activity Changes of Phytohemagglutinin from Red Kidney Bean (<i>Phaseolus) Tj ETQq0 0 0 rgBT / 2015, 63, 9513-9519.</i>	Overlock 1 2.4	0 Tf 50 347 12
180	Enhanced transport of nanocage stabilized pure nanodrug across intestinal epithelial barrier mimicking Listeria monocytogenes. Biomaterials, 2015, 37, 320-332.	5.7	23
181	New 8-hydroxyquinoline galactosides. The role of the sugar in the antiproliferative activity of copper(II) ionophores. Journal of Inorganic Biochemistry, 2015, 142, 101-108.	1.5	40
182	Spectroscopic investigation on the interaction of ruthenium complexes with tumor specific lectin, jacalin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1292-1297.	2.0	14
183	Modern Pharmaceutics, Volume 2. , 0, , .		1
184	A study of lectin activity in buds of <i>Sophora japonica</i> L. Tropical Journal of Pharmaceutical Research, 2016, 15, 1877.	0.2	2
185	Biodegradable, Biocompatible, and Bioconjugate Materials as Delivery Agents inÂDermatology. , 2016, , 73-87.		2
186	Dietary Plant Lectins Appear to Be Transported from the Gut to Gain Access to and Alter Dopaminergic Neurons of Caenorhabditis elegans, a Potential Etiology of Parkinson's Disease. Frontiers in Nutrition, 2016, 3, 7.	1.6	11

#	Article	IF	CITATIONS
187	In Silico Study to Develop a Lectin-Like Protein from Mushroom Agaricus bisporus for Pharmaceutical Application. Scientia Pharmaceutica, 2016, 84, 203-217.	0.7	14
188	Lipid-Based Drug Delivery Systems in Cancer Therapy: What Is Available and What Is Yet to Come. Pharmacological Reviews, 2016, 68, 701-787.	7.1	537
189	The ligand (s) anchored lipobrid nanoconstruct mediated delivery of methotrexate: an effective approach in breast cancer therapeutics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2043-2060.	1.7	33
190	Fucose decorated solid-lipid nanocarriers mediate efficient delivery of methotrexate in breast cancer therapeutics. Colloids and Surfaces B: Biointerfaces, 2016, 146, 114-126.	2.5	83
191	Histological and lectin histochemical studies of the vomeronasal organ of horses. Tissue and Cell, 2016, 48, 361-369.	1.0	17
192	A novel immune-tolerable and permeable lectin-like protein from mushroom Agaricus bisporus. Biochemical and Biophysical Research Communications, 2016, 473, 1090-1093.	1.0	16
193	Synthesis of mannosylated and PEGylated nanoparticles via RAFT emulsion polymerisation, and investigation of particle-lectin aggregation using turbidimetric and DLS techniques. Polymer, 2016, 106, 229-237.	1.8	25
194	Carbohydrate-based amphiphilic nano delivery systems for cancer therapy. Nanoscale, 2016, 8, 16091-16156.	2.8	145
195	Callic acid binding to Spatholobus parviflorus lectin provides insight to its quaternary structure forming. International Journal of Biological Macromolecules, 2016, 91, 696-702.	3.6	2
196	Biomimetic strategies for targeted nanoparticle delivery. Bioengineering and Translational Medicine, 2016, 1, 30-46.	3.9	122
197	<i>Bauhinia purprea agglutinin</i> â€modified liposomes for human prostate cancer treatment. Cancer Science, 2016, 107, 53-59.	1.7	31
198	A review of nutritional and toxicological implications of castor bean (<i>Ricinus communis</i> L.) meal in animal feeding systems. Journal of Animal Physiology and Animal Nutrition, 2016, 100, 201-210.	1.0	44
199	Peptide-Mediated Nanoparticle Drug Delivery System. , 2016, , 205-308.		0
200	Natural Polymers: Drug Delivery. , 2016, , 5603-5618.		1
202	Noncovalent PEGylation via Lectin–Glycopolymer Interactions. Biomacromolecules, 2016, 17, 2719-2725.	2.6	21
203	Self-assembled targeted nanoparticles based on transferrin-modified eight-arm-polyethylene glycol–dihydroartemisinin conjugate. Scientific Reports, 2016, 6, 29461.	1.6	53
204	Histochemical study of the olfactory mucosae of the horse. Acta Histochemica, 2016, 118, 361-368.	0.9	7
205	Temperature-Responsive Smart Nanocarriers for Delivery Of Therapeutic Agents: Applications and Recent Advances. ACS Applied Materials & Amp; Interfaces, 2016, 8, 21107-21133.	4.0	305

#	Article	IF	CITATIONS
206	Enzyme replacement for GM1-gangliosidosis: Uptake, lysosomal activation, and cellular disease correction using a novel β-galactosidase:RTB lectin fusion. Molecular Genetics and Metabolism, 2016, 117, 199-209.	0.5	46
207	Smart micro/nanoparticles in stimulus-responsive drug/gene delivery systems. Chemical Society Reviews, 2016, 45, 1457-1501.	18.7	1,152
208	Micelles from self-assembled double-hydrophilic PHEMA-glycopolymer-diblock copolymers as multivalent scaffolds for lectin binding. Polymer Chemistry, 2016, 7, 878-886.	1.9	30
209	Concepts, technologies, and practices for drug delivery past the blood–brain barrier to the central nervous system. Journal of Controlled Release, 2016, 240, 251-266.	4.8	64
210	Spontaneous arrangement of a tumor targeting hyaluronic acid shell on irinotecan loaded PLGA nanoparticles. Carbohydrate Polymers, 2016, 140, 400-407.	5.1	37
211	Poly – (∣) – glutamic acid drug delivery system for the intravesical therapy of bladder cancer using WGA as targeting moiety. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 115, 131-139.	2.0	19
212	Pharmaceutical applications of lectins. Journal of Drug Delivery Science and Technology, 2017, 42, 126-133.	1.4	23
213	Advances in intravesical drug delivery systems to treat bladder cancer. International Journal of Pharmaceutics, 2017, 532, 105-117.	2.6	58
214	Network Analysis Reveals the Recognition Mechanism for Dimer Formation of Bulb-type Lectins. Scientific Reports, 2017, 7, 2876.	1.6	14
215	Peptide grafted and self-assembled poly(γ-glutamic acid)-phenylalanine nanoparticles targeting camptothecin to glioma. Nanomedicine, 2017, 12, 1661-1674.	1.7	10
216	Isolation and partial characterization of 3 nontoxic <scp>d</scp> â€galactose–specific isolectins from seeds of <scp><i>Momordica balsamina</i></scp> . Journal of Molecular Recognition, 2017, 30, e2582.	1.1	6
217	Introduction to Novel Therapeutic Carriers. , 2017, , 1-24.		0
218	Pharmacokinetics, biodistribution and antitumour effects of Sclerotium rolfsii lectin in mice. Oncology Reports, 2017, 37, 2803-2810.	1.2	5
219	Plant Lectins as Medical Tools against Digestive System Cancers. International Journal of Molecular Sciences, 2017, 18, 1403.	1.8	29
220	Challenges of the Nose-to-Brain Route. , 2017, , 103-113.		0
221	Lectins, Interconnecting Proteins with Biotechnological/Pharmacological and Therapeutic Applications. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-22.	0.5	122
222	Organ-based drug delivery. Journal of Drug Targeting, 2018, 26, 385-397.	2.1	25
223	Arynes in the Monoarylation of Unprotected Carbohydrate Amines. Organic Letters, 2018, 20, 616-619.	2.4	12

		TON REPORT	
#	Article	IF	Citations
224	Targeted Strategies for Mucosal Vaccination. Bioconjugate Chemistry, 2018, 29, 613-623.	1.8	27
225	Lycopene loaded whey protein isolate nanoparticles: An innovative endeavor for enhanced bioavailability of lycopene and anti-cancer activity. International Journal of Pharmaceutics, 2018, 546, 97-105.	2.6	106
226	Crystal structure of DlyL, a mannose-specific lectin from Dioclea lasiophylla Mart. Ex Benth seeds that display cytotoxic effects against C6 glioma cells. International Journal of Biological Macromolecules, 2018, 114, 64-76.	3.6	25
227	Plant protein-based hydrophobic fine and ultrafine carrier particles in drug delivery systems. Critical Reviews in Biotechnology, 2018, 38, 47-67.	5.1	81
228	The biological challenges and pharmacological opportunities of orally administered nanomedicine delivery. Expert Review of Gastroenterology and Hepatology, 2018, 12, 223-236.	1.4	37
229	PEGylation for enhancing nanoparticle diffusion in mucus. Advanced Drug Delivery Reviews, 2018, 124, 125-139.	6.6	273
230	Lectins from red algae and their biomedical potential. Journal of Applied Phycology, 2018, 30, 1833-1858	3. 1.5	68
231	Phylogeny and Properties of a Novel Lectin Family with β-Trefoil Folding in Mussels. Trends in Glycoscience and Glycotechnology, 2018, 30, J155-J168.	0.0	2
232	Nanomaterial enabled sensors for environmental contaminants. Journal of Nanobiotechnology, 2018, 16, 95.	4.2	131
233	Nanocolloidal lipidic carriers of olmesartan medoxomil surface-tailored with Concavalin-A for lectin receptor targeting. Nanomedicine, 2018, 13, 3107-3128.	1.7	17
234	Phylogeny and Properties of a Novel Lectin Family with β-Trefoil Folding in Mussels. Trends in Glycoscience and Glycotechnology, 2018, 30, E195-E208.	0.0	3
235	Current Scenario of Legume Lectins and Their Practical Applications. Journal of Crop Science and Biotechnology, 2018, 21, 217-227.	0.7	17
236	Salidroside mediates apoptosis and autophagy inhibition in concanavalin A‑induced liver injury. Experimental and Therapeutic Medicine, 2018, 15, 4599-4614.	0.8	19
237	Lipid–polymer hybrid nanocarrier-mediated cancer therapeutics: current status and future directions. Drug Discovery Today, 2018, 23, 1610-1621.	3.2	29
238	Nose-to-brain drug delivery: An update on clinical challenges and progress towards approval of anti-Alzheimer drugs. Journal of Controlled Release, 2018, 281, 139-177.	4.8	377
239	Assessing the Performance of MM/PBSA, MM/GBSA, and QM–MM/GBSA Approaches on Protein/Carbohydrate Complexes: Effect of Implicit Solvent Models, QM Methods, and Entropic Contributions. Journal of Physical Chemistry B, 2018, 122, 8113-8121.	1.2	55
240	Surface-Modified Nanocarriers for Nose-to-Brain Delivery: From Bioadhesion to Targeting. Pharmaceutics, 2018, 10, 34.	2.0	206
241	Smallest lectin-like peptide identified from the skin secretion of an endemic frog, Hydrophylax bahuvistara. Acta Biologica Hungarica, 2018, 69, 110-113.	0.7	2

#	Article	IF	CITATIONS
242	Irinotecan hydrochloride trihydrate loaded folic acid-tailored solid lipid nanoparticles for targeting colorectal cancer: development, characterization, and <i>in vitro</i> cytotoxicity study using HT-29 cells. Journal of Microencapsulation, 2019, 36, 659-676.	1.2	24
243	Glycoscience: Basic Science to Applications. , 2019, , .		3
244	Structure-function and application of plant lectins in disease biology and immunity. Food and Chemical Toxicology, 2019, 134, 110827.	1.8	117
245	Ancestral roles of the Fam20C family of secreted protein kinases revealed in <i>C. elegans</i> . Journal of Cell Biology, 2019, 218, 3795-3811.	2.3	4
246	Polymeric Nanomaterials. , 2019, , 1-66.		25
247	Structurally related glucosylated liposomes: Correlation of physicochemical and biological features. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1468-1475.	1.4	4
248	In vitro characterization of odorranalectin for peptide-based drug delivery across the blood–brain barrier. BMC Neuroscience, 2019, 20, 22.	0.8	6
249	Quercetin binding to Spatholobus parviflorus lectin: Promise of a macromolecular, specific-compound carrier for drug. International Journal of Biological Macromolecules, 2019, 133, 214-225.	3.6	0
250	Tomato lectin-modified nanoemulsion-encapsulated MAGE1-HSP70/SEA complex protein vaccine: Targeting intestinal M cells following peroral administration. Biomedicine and Pharmacotherapy, 2019, 115, 108886.	2.5	15
251	Mannose distribution in glycoconjugated tetraphenylporphyrins governs their uptake mechanism and phototoxicity. Journal of Porphyrins and Phthalocyanines, 2019, 23, 175-184.	0.4	1
252	Surface-Modified PLGA Nanoparticles for Targeted Drug Delivery to Neurons. , 2019, , 33-71.		8
253	Utilising Glycobiology for Fluorescent Nanodiamond Uptake and Imaging in the Central Nervous System. , 2019, , .		2
254	Asymmetric glycan recognition among \hat{I}_{\pm} - \hat{I}^2 monomers of Spatholobus parviflorus lectin: an insilico insight. International Journal of Computational Biology and Drug Design, 2019, 12, 332.	0.3	0
255	A potential carrier for anti-tumor targeted delivery-hyaluronic acid nanoparticles. Carbohydrate Polymers, 2019, 208, 356-364.	5.1	72
256	A spectroscopic analysis of the interaction between MEGA10 and Concanavalin A. Journal of Molecular Liquids, 2019, 275, 674-681.	2.3	0
257	Lectins and Nanostructured Drug Delivery Systems. Current Drug Delivery, 2019, 16, 268-269.	0.8	6
258	Cancerâ€Targeting Nanoparticles for Combinatorial Nucleic Acid Delivery. Advanced Materials, 2020, 32, e1901081.	11.1	146
259	Revealing the Significance of the Glycan Binding Property of <i>Butea monosperma</i> Seed Lectin for Enhancing the Antibiofilm Activity of Silver Nanoparticles against Uropathogenic <i>Escherichia coli</i> , Bioconiugate Chemistry, 2020, 31, 139-148.	1.8	26

#	Article	IF	CITATIONS
260	Polymeric Nanoscale Drug Carriers Mediate the Delivery of Methotrexate for Developing Therapeutic Interventions Against Cancer and Rheumatoid Arthritis. Frontiers in Oncology, 2020, 10, 1734.	1.3	14
261	Emerging applications of lectins in cancer detection and biomedicine. Materials Today: Proceedings, 2020, 31, 651-661.	0.9	14
262	Targeting the glycan of receptor binding domain with jacalin as a novel approach to develop a treatment against COVID-19. Royal Society Open Science, 2020, 7, 200844.	1.1	4
263	An Overview on the Chemical <i>N</i> â€Functionalization of Sugars and Formation of <i>N</i> â€Glycosides. European Journal of Organic Chemistry, 2020, 2020, 5949-5977.	1.2	29
264	Photodynamic therapy, priming and optical imaging: Potential co-conspirators in treatment design and optimization — a Thomas Dougherty Award for Excellence in PDT paper. Journal of Porphyrins and Phthalocyanines, 2020, 24, 1320-1360.	0.4	48
265	Solid Lipid Nanoparticles and Nanostructured Lipid Carriers as Smart Drug Delivery Systems in the Treatment of Glioblastoma Multiforme. Pharmaceutics, 2020, 12, 860.	2.0	30
266	Comparative structural and functional analysis of STL and SLL, chitin-binding lectins from <i>Solanum</i> spp Journal of Biomolecular Structure and Dynamics, 2021, 39, 4907-4922.	2.0	5
267	An Off-the-Shelf Approach for the Production of Fc Fusion Proteins by Protein Trans-Splicing towards Generating a Lectibody In Vitro. International Journal of Molecular Sciences, 2020, 21, 4011.	1.8	6
268	Nanotechnology as a Platform for the Development of Injectable Parenteral Formulations: A Comprehensive Review of the Know-Hows and State of the Art. Pharmaceutics, 2020, 12, 510.	2.0	35
269	A Glycotherapeutic Approach to Functionalize Biomaterialsâ€Based Systems. Advanced Functional Materials, 2020, 30, 1910031.	7.8	14
270	H-type lectins – Structural characteristics and their applications in diagnostics, analytics and drug delivery. International Journal of Biological Macromolecules, 2020, 152, 735-747.	3.6	21
271	Structure and properties of the oyster mushroom (Pleurotus ostreatus) lectin. Glycobiology, 2020, 30, 550-562.	1.3	11
272	Purification and characterisation of a xylose-specific mitogenic lectin from Fusarium sambucinum. International Journal of Biological Macromolecules, 2020, 152, 393-402.	3.6	4
273	The strategic use of <i>para</i> -quinone methides to access synthetically challenging and chemoselective α,α′-diarylmethyl <i>N</i> -glycosides from unprotected carbohydrate amines. Organic and Biomolecular Chemistry, 2020, 18, 1343-1348.	1.5	6
274	Targeting Macromolecules to CNS and Other Hard-to-Treat Organs Using Lectin-Mediated Delivery. International Journal of Molecular Sciences, 2020, 21, 971.	1.8	17
275	Overcoming the intestinal barrier: A look into targeting approaches for improved oral drug delivery systems. Journal of Controlled Release, 2020, 322, 486-508.	4.8	106
276	Can nanoparticles and nano‒protein interactions bring a bright future for insulin delivery?. Acta Pharmaceutica Sinica B, 2021, 11, 651-667.	5.7	31
277	Applications of Polymers in Gastric Drug Delivery. , 2021, , 77-104.		4

#	Article	IF	CITATIONS
278	Biodegradable polymers in drug delivery and oral vaccination. European Polymer Journal, 2021, 142, 110155.	2.6	94
279	A New Antiâ€Immune Evasion Strategy against Methicillinâ€Resistant Staphylococcus Aureus (MRSA) Infections: Simulating Complement Immunotherapy Based on Complementâ€Mimic Antibiotic Delivery System. Advanced Therapeutics, 2021, 4, 2000167.	1.6	1
280	Oral drug delivery of nanomedicine. , 2021, , 181-207.		18
281	Potential applications of polymeric-nanomaterial as drug delivery carriers in the biomedical field. , 2021, , 109-134.		2
282	Current Advances in Black Phosphorusâ€Based Drug Delivery Systems for Cancer Therapy. Advanced Science, 2021, 8, 2003033.	5.6	70
283	Lentil lectin derived from <i>Lens culinaris</i> exhibit broad antiviral activities against SARS-CoV-2 variants. Emerging Microbes and Infections, 2021, 10, 1519-1529.	3.0	30
284	From barriers to bridges; glycans in nonparenteral nanomedicines. , 2021, , 467-487.		0
285	Strategies and Tactics for the Development of Selective Glycan-Binding Proteins. ACS Chemical Biology, 2021, 16, 1795-1813.	1.6	19
286	5-Fluorouracil Loaded Orally Administered WGA-decorated Poly(lacticco- glycolic Acid) Nanoparticles for Treatment of Colorectal Cancer: In Vivo Evaluation. Current Nanomedicine, 2021, 11, 51-60.	0.2	1
287	Detection of Lectin Protein Allergen of Kidney Beans (<i>Phaseolus vulgaris</i> L.) and Desensitization Food Processing Technology. Journal of Agricultural and Food Chemistry, 2021, 69, 14723-14741.	2.4	13
288	Lectins: Biological significance to biotechnological application. Carbohydrate Research, 2021, 506, 108367.	1.1	16
289	Advanced oral vaccine delivery strategies for improving the immunity. Advanced Drug Delivery Reviews, 2021, 177, 113928.	6.6	27
290	Non-carbohydrate strategies to inhibit lectin proteins with special emphasis on galectins. European Journal of Medicinal Chemistry, 2021, 222, 113561.	2.6	7
291	Apoptosis modulating nanochemotherapeutics in the treatment of cancer: Recent progress and advances. , 2021, , 153-207.		1
292	Next-generation self-powered nanosensors. , 2021, , 487-515.		2
294	Future of IOP-Lowering Medication for Glaucoma Therapy. , 2006, , 137-155.		1
295	Sensors and Biosensors for Environment Contaminants. Nanotechnology in the Life Sciences, 2020, , 109-134.	0.4	4
296	Lectins of Marine Origin and Their Clinical Applications. , 2013, , 33-54.		3

#	Article	IF	Citations
297	Chapter 2.1. Nanostructures Overcoming the Intestinal Barrier: Physiological Considerations and Mechanistic Issues. RSC Drug Discovery Series, 2012, , 39-62.	0.2	4
298	Cyclodextrins for Pharmaceutical and Biomedical Applications. Monographs in Supramolecular Chemistry, 2013, , 94-139.	0.2	6
299	Chapter 4 Active Targeting of Perfluorocarbon Nanoemulsions. , 2016, , 103-140.		2
300	Odorranalectin Is a Small Peptide Lectin with Potential for Drug Delivery and Targeting. PLoS ONE, 2008, 3, e2381.	1.1	71
301	Fungal lectin MpL enables entry of protein drugs into cancer cells and their subcellular targeting. Oncotarget, 2017, 8, 26896-26910.	0.8	22
302	Glycoconjugates of Quinolines: Application in Medicinal Chemistry. Mini-Reviews in Medicinal Chemistry, 2016, 16, 1185-1194.	1.1	20
303	Animal Galectins and Plant Lectins as Tools for Studies in Neurosciences. Current Neuropharmacology, 2020, 18, 202-215.	1.4	10
304	In Vitro Release Test of Nano-drug Delivery Systems Based on Analytical and Technological Perspectives. Current Analytical Chemistry, 2019, 15, 373-409.	0.6	6
305	Lectin-based Biosensors: As Powerful Tools in Bioanalytical Applications. Biotechnology, 2010, 9, 428-443.	0.5	22
306	A ConA-like lectin isolated from <i>Canavalia maritima</i> seeds alters the expression of genes related to virulence and biofilm formation in <i>Streptococcus mutans</i> . Advances in Bioscience and Biotechnology (Print), 2013, 04, 1073-7078.	0.3	8
307	A New Biological Strategy for Drug Delivery: Eucaryotic Cell-Derived Nanovesicles. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 494-499.	1.0	28
308	Drug Delivery: Plant Lectins as Bioadhesive Drug Delivery Systems. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 614-621.	1.0	16
309	Stimulation of dendritic cell maturation and induction of apoptosis in lymphoma cells by a stable lectin from buckwheat seeds. Genetics and Molecular Research, 2015, 14, 2162-2175.	0.3	12
311	A Reverse Transfection Technology to Genetically Engineer Adult Stem Cells. Tissue Engineering, 2006,	4.9	0
312	A Reverse Transfection Technology to Genetically Engineer Adult Stem Cells. Tissue Engineering, 2006,	4.9	0
314	Toxalbumins. , 2016, , 1-12.		0
316	Emerging Technologies of Polymers for Nanomedicine Applications. , 2016, , 1-19.		0
317	Analysis of Agglutination from Cerasus humilis Lectin on Micro Algae, Bacteria and Yeast. Hans Journal of Biomedicine, 2017, 07, 25-30.	0.0	0

#	Article	IF	CITATIONS
318	Toxalbumins. , 2017, , 2213-2223.		0
320	Glycoengineering. , 2019, , 145-166.		Ο
321	Stem cells from human exfoliated deciduous teeth ameliorate concanavalin A-induced autoimmune hepatitis by protecting hepatocytes from apoptosis. World Journal of Stem Cells, 2020, 12, 1623-1639.	1.3	2
322	Latest Tools in Fight Against Cancer: Nanomedicines. , 2020, , 139-164.		1
323	Nanoparticle-Guided Brain Drug Delivery: Expanding the Therapeutic Approach to Neurodegenerative Diseases. Pharmaceutics, 2021, 13, 1897.	2.0	27
324	The Two Sweet Sides of Janus Lectin Drive Crosslinking of Liposomes to Cancer Cells and Material Uptake. Toxins, 2021, 13, 792.	1.5	12
325	Label-free methods of multiparametric surface plasmon resonance and MPQ-cytometry for quantitative real-time measurements of targeted magnetic nanoparticles complexation with living cancer cells. Materials Today Communications, 2021, 29, 102978.	0.9	7
326	Plant lectins as prospective antiviral biomolecules in the search for COVID-19 eradication strategies. Biomedicine and Pharmacotherapy, 2022, 146, 112507.	2.5	14
327	Enhanced anti-tumor activity of a drug through pH-triggered release and dual targeting by calcium phosphate-covered mesoporous silica vehicles. Journal of Materials Chemistry B, 2022, 10, 384-395.	2.9	13
328	Hierarchy of Complex Glycomacromolecules: From Controlled Topologies to Biomedical Applications. Biomacromolecules, 2022, 23, 543-575.	2.6	12
330	N-acetyl-d-glucosamine decorated nano-lipid-based carriers as theranostics module for targeted anti-cancer drug delivery. Materials Chemistry and Physics, 2022, 282, 125956.	2.0	12
331	Alginate Modification and Lectin-Conjugation Approach to Synthesize the Mucoadhesive Matrix. Applied Sciences (Switzerland), 2021, 11, 11818.	1.3	8
334	Exploring Glycan Binding Specificity of Odorranalectin by Alanine Scanning Library. European Journal of Organic Chemistry, 2022, 2022, .	1.2	2
335	New Perspective on Natural Plant Protein-Based Nanocarriers for Bioactive Ingredients Delivery. Foods, 2022, 11, 1701.	1.9	10
336	A Historical Review of Brain Drug Delivery. Pharmaceutics, 2022, 14, 1283.	2.0	65
337	Inducible nitric oxide synthase regulates macrophage polarization via the MAPK signals in concanavalin Aâ€inducedÂhepatitis. Immunity, Inflammation and Disease, 2022, 10, .	1.3	2
338	Recent progress in the application of plant-based colloidal drug delivery systems in the pharmaceutical sciences. Advances in Colloid and Interface Science, 2022, 307, 102734.	7.0	17
339	Drug delivery to the brain via the nasal route of administration: exploration of key targets and major consideration factors. Journal of Pharmaceutical Investigation, 2023, 53, 119-152.	2.7	33

#	Article	IF	CITATIONS
340	Ligand conjugated lipidâ€based nanocarriers for cancer theranostics. Biotechnology and Bioengineering, 2022, 119, 3022-3043.	1.7	2
341	Screening of Haemagglutination Activity of Some Common Vegetables. SSRN Electronic Journal, 0, , .	0.4	Ο
342	Phytonanoparticles toward the treatment of diabetes. , 2022, , 433-458.		0
344	LogP of N-acyl-gemcitabine and lectin-corona emerge as key parameters in nanoparticulate intravesical cancer therapy. European Journal of Pharmaceutical Sciences, 2023, 180, 106330.	1.9	3
345	2D Hetero-Nanoconstructs of Black Phosphorus for Breast Cancer Theragnosis: Technological Advancements. Biosensors, 2022, 12, 1009.	2.3	5
346	Applications of mannose-binding lectins and mannan glycoconjugates in nanomedicine. Journal of Nanoparticle Research, 2022, 24, .	0.8	7
347	A bispecific, crosslinking lectibody activates cytotoxic T cells and induces cancer cell death. Journal of Translational Medicine, 2022, 20, .	1.8	8
348	Genetically Encoded Self-Assembling Protein Nanoparticles for the Targeted Delivery In Vitro and In Vivo. Pharmaceutics, 2023, 15, 231.	2.0	6
349	Exploring Palmitoylated Arabinogalactan in Solid Lipid Nanoparticles: Formulation Design and in vitro Assessment for Hepatospecific Targeting. Drug Delivery Letters, 2023, 13, 92-102.	0.2	0
362	Factors affecting peptide and protein absorption, metabolism, and excretion. , 2024, , 261-289.		0