Hyaluronan: its nature, distribution, functions and turn

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Citation Report

#	Article	IF	CITATIONS
1	Experimental models in peritoneal dialysis: A European experience. Kidney International, 1998, 54, 2194-2206.	2.6	52
2	Optimizing solute clearance and fluid balance with high-fill volumes: Effect of hypertonic dialysate. American Journal of Kidney Diseases, 1998, 31, 1050-1057.	2.1	3
3	TSC-6 interacts with hyaluronan and aggrecan in a pH-dependent manner via a common functional element: implications for its regulation in inflamed cartilage. FEBS Letters, 1998, 428, 171-176.	1.3	58
4	Novel immunogenic antigen homologous to hyaluronidase in meningioma. Human Molecular Genetics, 1998, 7, 1859-1872.	1.4	121
5	The Active Streptococcal Hyaluronan Synthases (HASs) Contain a Single HAS Monomer and Multiple Cardiolipin Molecules. Journal of Biological Chemistry, 1998, 273, 26100-26109.	1.6	80
6	Intraperitoneal Addition of Hyaluronan Improves Peritoneal Dialysis Efficiency. Peritoneal Dialysis International, 1999, 19, 106-111.	1.1	8
7	Serum Hyaluronan in Patients With Multiple Myeloma: Correlation With Survival and Ig Concentration. Blood, 1999, 93, 4144-4148.	0.6	36
8	Mutations in HYAL1, a member of a tandemly distributed multigene family encoding disparate hyaluronidase activities, cause a newly described lysosomal disorder, mucopolysaccharidosis IX. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6296-6300.	3.3	177
9	TRICHLOROETHYLENE ACTIVATES CD4+T CELLS: POTENTIAL ROLE IN AN AUTOIMMUNE RESPONSE*. Drug Metabolism Reviews, 1999, 31, 901-916.	1.5	39
10	Cyclodextrin derivative of hyaluronan. Carbohydrate Polymers, 1999, 39, 17-24.	5.1	19
11	Increased Synthesis of Hyaluronate Enhances Motility of Human Melanoma Cells. Journal of Investigative Dermatology, 1999, 113, 935-939.	0.3	55
12	Hyaluronan decreases peritoneal fluid absorption: Effect of molecular weight and concentration of hyaluronan. Kidney International, 1999, 55, 667-673.	2.6	30
13	SYNTHESIS OF A NOVEL POLYSACCHARIDE HYDROGEL. Journal of Macromolecular Science - Pure and Applied Chemistry, 1999, 36, 981-989.	1.2	14
14	Preparation and anticoagulant activity of fully O-sulphonated glycosaminoglycans. International Journal of Biological Macromolecules, 1999, 26, 233-241.	3.6	56
15	SERUM MARKERS OF ARTICULAR CARTILAGE DAMAGE AND REPAIR. Rheumatic Disease Clinics of North America, 1999, 25, 417-432.	0.8	21
16	Identification and Characterization of Three cDNAs That Encode Putative Novel Hyaluronan-Binding Proteins, Including an Endothelial Cell-Specific Hyaluronan Receptor. American Journal of Pathology, 1999, 155, 1625-1633.	1.9	23
17	Intracranial Injury Acutely Induces the Expression of the Secreted Isoform of the CNS-Specific Hyaluronan-Binding Protein BEHAB/Brevican. Experimental Neurology, 1999, 157, 327-337.	2.0	82
18	Glucocorticoids induce a near-total suppression of hyaluronan synthase mRNA in dermal fibroblasts and in osteoblasts: a molecular mechanism contributing to organ atrophy. Biochemical Journal, 2000,	1.7	38

#	Article	IF	CITATIONS
19	Hyaluronan content in the kidney in different states of body hydration. Kidney International, 2000, 58, 2061-2068.	2.6	74
20	Localization and characterization of the hyaluronan-binding site on the Link module from human TSG-6. Structure, 2000, 8, 763-774.	1.6	95
21	Sodium hyaluronate therapy in osteoarthritis: Arguments for a potential beneficial structural effect. Seminars in Arthritis and Rheumatism, 2000, 30, 19-25.	1.6	43
22	Intra-articular sodium hyaluronate in osteoarthritis of the knee. Seminars in Arthritis and Rheumatism, 2000, 30, 11-18.	1.6	58
23	Cross-linked hyaluronic acid hydrogel films: new biomaterials for drug delivery. Journal of Controlled Release, 2000, 69, 169-184.	4.8	528
24	Effect of 6-O-sulfonate hexosamine residue on anticoagulant activity of fully O-sulfonated glycosaminoglycans. Glycoconjugate Journal, 2000, 17, 393-399.	1.4	14
25	Balancing Thymocyte Adhesion and Motility: A Functional Linkage Between β1 Lntegrins and The Motility Receptor RHAMM. Autoimmunity, 2000, 7, 209-225.	0.6	19
26	Evidence That the Serum Inhibitor of Hyaluronidase May Be a Member of the Inter-α-inhibitor Family. Journal of Biological Chemistry, 2000, 275, 32413-32421.	1.6	61
27	A DEVELOPMENTALLY REGULATED HYALURONIDASE OFHAEMONCHUS CONTORTUS. Journal of Parasitology, 2000, 86, 916-921.	0.3	9
28	Differential Effects of Interleukin-1 on Hyaluronan and Proteoglycan Metabolism in Two Compartments of the Matrix Formed by Articular Chondrocytes Maintained in Alginate. Archives of Biochemistry and Biophysics, 2000, 374, 59-65.	1.4	28
29	Hyaluronan. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 431-433.	1.4	79
30	The antiadhesive agent sodium hyaluronate increases the proliferation rate of human peritoneal mesothelial cells. Fertility and Sterility, 2000, 74, 146-151.	0.5	43
31	Hyaluronan affects protein and collagen synthesis by in vitro human skin fibroblasts. Tissue and Cell, 2001, 33, 326-331.	1.0	79
32	Prognostic value of hyaluronan expression in non-small-cell lung cancer: Increased stromal expression indicates unfavorable outcome in patients with adenocarcinoma. International Journal of Cancer, 2001, 95, 12-17.	2.3	133
33	A crucial role for CD44 in inflammation. Trends in Molecular Medicine, 2001, 7, 213-221.	3.5	375
34	Synovial fluid markers of osteoarthritis in dogs. Journal of the American Veterinary Medical Association, 2001, 219, 756-761.	0.2	15
35	Hyaluronan Preserves Peritoneal Membrane Transport Properties. Peritoneal Dialysis International, 2001, 21, 136-143.	1.1	16
36	Effect of glycosaminoglycan degradation on lung tissue viscoelasticity. American Journal of Physiology - Lung Cellular and Molecular Physiology. 2001. 280. L306-L315.	1.3	87

#	Article	IF	CITATIONS
37	The extracellular matrix can regulate vascular cell migration, proliferation, and survival: relationships to vascular disease. International Journal of Experimental Pathology, 2001, 81, 173-182.	0.6	292
38	Peptides that mimic glycosaminoglycans: high-affinity ligands for a hyaluronan binding domain. Chemistry and Biology, 2001, 8, 1081-1094.	6.2	24
39	The Role of Hyaluronan in the Pulmonary Alveolus. Journal of Theoretical Biology, 2001, 210, 121-130.	0.8	36
40	Identification of sequence, protein isoforms, and distribution of the hyaluronan-binding protein RHAMM in adult and developing rat brain. Journal of Comparative Neurology, 2001, 439, 315-330.	0.9	49
41	Proteoglycans: pericellular and cell surface multireceptors that integrate external stimuli in the mammary gland. Journal of Mammary Gland Biology and Neoplasia, 2001, 6, 253-273.	1.0	67
42	Preparation and inhibitory activity on hyaluronidase of fully O-sulfated hyaluro-oligosaccharides. Glycobiology, 2001, 11, 57-64.	1.3	35
43	Hyaluronan Enhances Contraction of Collagen by Smooth Muscle Cells and Adventitial Fibroblasts. Circulation Research, 2001, 88, 77-83.	2.0	91
44	Hyaluronan Binding and Degradation byStreptococcus agalactiae Hyaluronate Lyase. Journal of Biological Chemistry, 2001, 276, 41407-41416.	1.6	78
45	Hyaluronan Synthase Elevation in Metastatic Prostate Carcinoma Cells Correlates with Hyaluronan Surface Retention, a Prerequisite for Rapid Adhesion to Bone Marrow Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 17949-17957.	1.6	99
46	Hyaluronic Acid Blocks Porcine Pancreatic Elastase (PPE)-induced Bronchoconstriction in Sheep. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1855-1859.	2.5	19
47	Glycosaminoglycans are a potential cause of rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14362-14367.	3.3	90
48	Induction of Hyaluronan Synthase 2 by Human Chorionic Gonadotropin in Mural Granulosa Cells of Equine Preovulatory Follicles. Endocrinology, 2002, 143, 4375-4384.	1.4	25
49	HYALURONIC ACID HYDROGEL FILM: A NEW BIOMATERIAL FOR DRUG DELIVERY AND WOUND HEALING. , 2002, , 271-276.		2
50	PREDICTIVE AND EXPERIMENTAL BEHAVIOUR OF HYALURONAN IN SOLUTION AND SOLID STATE. , 2002, , 37-46.		10
51	Hyaluronan and Homeostasis: A Balancing Act. Journal of Biological Chemistry, 2002, 277, 4581-4584.	1.6	407
52	Hyaluronan Synthesis by Anaplastic Large Cell Lymphoma with Massive Lymphomatous Effusion. Acta Cytologica, 2002, 46, 864-868.	0.7	8
53	Overexpression of Hyaluronan Synthase-2 Reduces the Tumorigenic Potential of Glioma Cells Lacking Hyaluronidase Activity. Neurosurgery, 2002, 50, 1311-1318.	0.6	2
54	Overexpression of Hyaluronan Synthase-2 Reduces the Tumorigenic Potential of Glioma Cells Lacking Hyaluronidase Activity. Neurosurgery, 2002, 50, 1311-1318.	0.6	72

#	Article	IF	CITATIONS
55	Inhibition of Prostate Tumor Cell Hyaluronan Synthesis Impairs Subcutaneous Growth and Vascularization in Immunocompromised Mice. American Journal of Pathology, 2002, 161, 849-857.	1.9	145
56	A Role for Focal Adhesion Kinase in Hyluronan-Dependent MMP-2 Secretion in a Human Small-Cell Lung Carcinoma Cell Line, QG90. Biochemical and Biophysical Research Communications, 2002, 290, 1123-1127.	1.0	52
57	23Na NMR Study of the Interaction between Hyaluronan and the bications Ca++, Mg++and Cu++. Journal of Biomolecular Structure and Dynamics, 2002, 19, 715-724.	2.0	3
58	EGF receptor modifies cellular responses to hyaluronan in glioblastoma cell lines. Journal of Clinical Neuroscience, 2002, 9, 282-288.	0.8	81
59	Glycosaminoglycan levels and proteoglycan expression are altered in the hippocampus of patients with mesial temporal lobe epilepsy. Brain Research Bulletin, 2002, 58, 509-516.	1.4	53
60	HYALURONAN BIOMATERIALS FOR TARGETED DRUG DELIVERY AND WOUND HEALING. , 2002, , 277-284.		4
61	CHONDROGENIC DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS WITHIN AN ALGINATE LAYER CULTURE SYSTEM. In Vitro Cellular and Developmental Biology - Animal, 2002, 38, 457.	0.7	148
62	Potential mechanism of action of intra-articular hyaluronan therapy in osteoarthritis: Are the effects molecular weight dependent?. Seminars in Arthritis and Rheumatism, 2002, 32, 10-37.	1.6	313
63	Localisation and distribution of hyaluronan in normal bone marrow matrix: a novel method to evaluate impending fibrosis?. European Journal of Haematology, 2002, 68, 194-202.	1.1	9
64	Molecular characteristics of some commercial high-molecular-weight hyaluronans. Biomedical Chromatography, 2002, 16, 459-462.	0.8	27
65	Hyaluronate-based extracellular matrix: Keeping glia in their place. Glia, 2002, 38, 93-102.	2.5	37
66	Surface modification of extrasynovial tendon by chemically modified hyaluronic acid coating. Journal of Biomedical Materials Research Part B, 2002, 59, 219-224.	3.0	48
67	Highly viscous sodium hyaluronate and joint lubrication. International Orthopaedics, 2002, 26, 116-121.	0.9	48
68	Albumin extravasation and tissue washout of hyaluronan after plasma volume expansion with crystalloid or hypooncotic colloid solutions. Acta Anaesthesiologica Scandinavica, 2002, 46, 166-172.	0.7	51
69	Extracellular Matrix Components are Altered in the Hippocampus, Cortex, and Cerebrospinal Fluid of Patients with Mesial Temporal Lobe Epilepsy. Epilepsia, 2002, 43, 159-161.	2.6	26
70	Hyaluronic acid-based agents do not affect anastomotic strength in the rat colon, in either the presence or absence of bacterial peritonitis. British Journal of Surgery, 2002, 87, 1222-1228.	0.1	24
71	Hyaluronan expression in differentiated thyroid carcinoma. Journal of Pathology, 2002, 196, 180-185.	2.1	31
72	Glycosaminoglycan hydrogel films as bio-interactive dressings for wound healing. Biomaterials, 2002, 23, 3661-3671.	5.7	314

#	ARTICLE Form and function of developing heart valves: coordination by extracellular matrix and growth	IF	CITATIONS
73	factor signaling. Journal of Molecular Medicine, 2003, 81, 392-403. Expression of hyaluronan synthase in intraocular proliferative diseases: regulation of expression in	1.7	182
74	human vascular endothelial cells by transforming growth factor-β. Japanese Journal of Ophthalmology, 2003, 47, 557-564.	0.9	21
75	Sustained release of insulin from sodium hyaluronate based dry powder formulations after pulmonary delivery to beagle dogs. Journal of Controlled Release, 2003, 91, 385-394.	4.8	137
76	Modulation of human fibroblast gap junction intercellular communication by hyaluronan. Journal of Cellular Physiology, 2003, 196, 165-170.	2.0	18
77	Mechanical effects of the intraarticular administration of high molecular weight hyaluronic acid plus phospholipid on synovial joint lubrication and prevention of articular cartilage degeneration in experimental osteoarthritis. Arthritis and Rheumatism, 2003, 48, 1923-1929.	6.7	91
78	Pathophysiology of intra-abdominal adhesion and abscess formation, and the effect of hyaluronan. British Journal of Surgery, 2003, 90, 533-541.	0.1	119
79	Practical determination of hyaluronan by a new noncompetitive fluorescence-based assay on serum of normal and cirrhotic patients. Analytical Biochemistry, 2003, 319, 65-72.	1.1	81
80	A solid-phase assay for the quantitative analysis of hyaluronic acid at the nanogram level. Analytical Biochemistry, 2003, 320, 179-184.	1.1	20
81	Disulfide-crosslinked hyaluronan-gelatin hydrogel films: a covalent mimic of the extracellular matrix for in vitro cell growth. Biomaterials, 2003, 24, 3825-3834.	5.7	341
82	Quantum molecular modeling of free radical saccharides from hyaluronan. Computational and Theoretical Chemistry, 2003, 636, 89-113.	1.5	5
83	The effects of hyaluronan and its fragments on lipid models exposed to UV irradiation. International Journal of Pharmaceutics, 2003, 254, 223-234.	2.6	36
84	Hyaluronic acid and endothelial damage due to paracetamol-induced hepatotoxicity. Liver International, 2003, 23, 110-115.	1.9	47
85	Embryo-Maternal Communication in Bovine - Strategies for Deciphering a Complex Cross-Talk. Reproduction in Domestic Animals, 2003, 38, 276-289.	0.6	133
86	Breast Cancer Stromal Myxoid Changes Are Associated with Tumor Invasion and Metastasis: A Central Role for Hyaluronan. Modern Pathology, 2003, 16, 99-107.	2.9	61
87	CD44: From adhesion molecules to signalling regulators. Nature Reviews Molecular Cell Biology, 2003, 4, 33-45.	16.1	2,029
88	Inhibition of arterial cells proliferation in vivo in injured arteries by hyaluronan fragments. Atherosclerosis, 2003, 171, 15-19.	0.4	25
89	Lactate-sensitive response elements in genes involved in hyaluronan catabolism. Biochemical and Biophysical Research Communications, 2003, 305, 203-208.	1.0	53
90	Cell–matrix interactions of in vitro human skin fibroblasts upon addition of hyaluronan. Tissue and Cell, 2003, 35, 37-45.	1.0	34

#	Article	IF	CITATIONS
91	Purification and characterization of hyaluronic acid from the mollusc bivalve Mytilus galloprovincialis. Biochimie, 2003, 85, 619-625.	1.3	50
92	Changing profiles of proteoglycans in the transition of predentine to dentine. Matrix Biology, 2003, 22, 153-161.	1.5	60
93	Hyaluronan blocks human neutrophil elastase (HNE)-induced airway responses in sheep. Pulmonary Pharmacology and Therapeutics, 2003, 16, 335-340.	1.1	28
94	COX-2 Inhibitors Prolong Trauma-Induced Elevations of Iris Hyaluronan. Journal of Ocular Pharmacology and Therapeutics, 2003, 19, 385-395.	0.6	4
95	Endoplasmic Reticulum Stress Induces Hyaluronan Deposition and Leukocyte Adhesion. Journal of Biological Chemistry, 2003, 278, 47223-47231.	1.6	132
96	Hyaluronan Is Differently Located in Arteries and Veins. Cells Tissues Organs, 2003, 173, 227-233.	1.3	6
97	A Hyaluronan Binding Link Protein Gene Family Whose Members Are Physically Linked Adjacent to Chrondroitin Sulfate Proteoglycan Core Protein Genes. Journal of Biological Chemistry, 2003, 278, 21083-21091.	1.6	180
98	Hyaluronan in Respiratory Injury and Repair. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1169-1175.	2.5	108
99	Serum hyaluronate correlates with histological progression in alcoholic liver disease. European Journal of Gastroenterology and Hepatology, 2003, 15, 945-950.	0.8	51
100	Hyaluronan is synthesized by primitive hemopoietic cells, participates in their lodgment at the endosteum following transplantation, and is involved in the regulation of their proliferation and differentiation in vitro. Blood, 2003, 101, 856-862.	0.6	138
101	Alteration of Polysaccharide Size Distribution of a Vertebrate Hyaluronan Synthase by Mutation. Journal of Biological Chemistry, 2003, 278, 19808-19814.	1.6	36
102	The Effects of Lincomycin-Spectinomycin and Sulfamethoxazole-Trimethoprim on Hyaluronidase Activities and Sperm Characteristics of Rams. Journal of Veterinary Medical Science, 2003, 65, 775-780.	0.3	5
103	Effects of Intraperitoneal Hyaluronan on Peritoneal Fluid and Solute Transport in Peritoneal Dialysis Patients. Peritoneal Dialysis International, 2003, 23, 63-73.	1.1	13
104	Hyaluronan uptake by adult human skin fibroblasts in vitro. European Journal of Histochemistry, 2003, 47, 63.	0.6	24
105	Hyaluronan in the Pulmonary Alveolus and Interstitium. , 2004, , 247-269.		3
106	Hyaluronan in Ventilator-Induced Lung Injury. , 2004, , 271-283.		15
107	Structural and Functional Diversity of Hyaluronan-Binding Proteins. , 2004, , 189-204.		9
108	The role of hyaluronic acid in wound healing's proliferative phase. Journal of Wound Care, 2004, 13, 48-51.	0.5	37

#	Article	IF	CITATIONS
109	Use of 15N-NMR to resolve molecular details in isotopically-enriched carbohydrates: sequence-specific observations in hyaluronan oligomers up to decasaccharides. Glycobiology, 2004, 14, 999-1009.	1.3	56
110	Characterization of Human UDP-glucose Dehydrogenase. Journal of Biological Chemistry, 2004, 279, 23590-23596.	1.6	50
111	Hyaluronan Fragments Stimulate Endothelial Recognition of Injury through TLR4. Journal of Biological Chemistry, 2004, 279, 17079-17084.	1.6	473
112	Therapeutic Biomaterials from Chemically Modified Hyaluronan. , 2004, , 475-504.		21
113	Versican and Hyaluronan Expression in Canine Colonic Adenomas and Carcinomas: Relation to Malignancy and Depth of Tumour Invasion. Journal of Comparative Pathology, 2004, 131, 259-270.	0.1	16
114	Reduced expression of hyaluronan is a strong indicator of poor survival in oral squamous cell carcinoma. Oral Oncology, 2004, 40, 257-263.	0.8	57
115	Hyaluronan catabolism: a new metabolic pathway. European Journal of Cell Biology, 2004, 83, 317-325.	1.6	355
116	Roles of hyaluronan in bone resorption. BMC Musculoskeletal Disorders, 2004, 5, 12.	0.8	36
117	The antioxidant and antifibrogenic effects of the glycosaminoglycans hyaluronic acid and chondroitin-4-sulphate in a subchronic rat model of carbon tetrachloride-induced liver fibrogenesis. Chemico-Biological Interactions, 2004, 148, 125-138.	1.7	58
118	Characterization and In Vivo Study of Sustained-Release Formulation of Human Growth Hormone Using Sodium Hyaluronate. Pharmaceutical Research, 2004, 21, 1374-1381.	1.7	54
119	Hyaluronic Acid Facilitates the Recovery of Hematopoiesis following 5-Fluorouracil Administration. Stem Cells, 2004, 22, 544-555.	1.4	56
120	Interactions of peptide mimics of hyaluronic acid with the receptor for hyaluronan mediated motility (RHAMM). Journal of Computer-Aided Molecular Design, 2004, 18, 597-614.	1.3	20
121	Sodium hyaluronate regulating angiogenesis during Achilles tendon healing. Knee Surgery, Sports Traumatology, Arthroscopy, 2004, 12, 562-567.	2.3	30
122	Attachment and spreading of fibroblasts on an RGD peptide-modified injectable hyaluronan hydrogel. Journal of Biomedical Materials Research Part B, 2004, 68A, 365-375.	3.0	259
123	Hyaluronic acid grafting mitigates calcification of glutaraldehyde-fixed bovine pericardium. Journal of Biomedical Materials Research Part B, 2004, 70A, 328-334.	3.0	56
124	In situ crosslinkable hyaluronan hydrogels for tissue engineering. Biomaterials, 2004, 25, 1339-1348.	5.7	568
125	Stimulation of in vivo angiogenesis by cytokine-loaded hyaluronic acid hydrogel implants. Biomaterials, 2004, 25, 2789-2798.	5.7	152
126	High-performance capillary electrophoresis separation of hyaluronan oligosaccharides produced by Streptomyces hyalurolyticus hyaluronate lyase. Carbohydrate Polymers, 2004, 56, 55-63.	5.1	22

#	Article	IF	CITATIONS
127	Characterization of the Purified Hyaluronan Synthase fromStreptococcus equisimilisâ€. Biochemistry, 2004, 43, 9234-9242.	1.2	58
128	Serum hyaluronan and hyaluronidase: very early markers of toxic liver injury. Clinica Chimica Acta, 2004, 348, 189-197.	0.5	46
129	Significance of cytosolic hyaluronan levels in gastric cancer. European Journal of Surgical Oncology, 2004, 30, 318-324.	0.5	20
130	Hyaluronic acid inhibits adhesion of hepatic stellate cells in spite of its stimulation of DNA synthesis. Tissue and Cell, 2004, 36, 293-305.	1.0	11
131	Hyaluronan in the bovine oviduct—modulation of synthases and receptors during the estrous cycle. Molecular and Cellular Endocrinology, 2004, 214, 9-18.	1.6	32
132	Hyaluronan and CD44. Clinical Orthopaedics and Related Research, 2004, 427, S152-S162.	0.7	145
133	Effect of carboxymethylcellulose and hyaluronate solutions on jejunal healing in horses. American Journal of Veterinary Research, 2004, 65, 637-643.	0.3	32
134	CD44 and hyaluronic acid cooperate with SDF-1 in the trafficking of human CD34+ stem/progenitor cells to bone marrow. Blood, 2004, 103, 2981-2989.	0.6	466
135	Effects of pro- and anti-inflammatory cytokines and nitric oxide donors on hyaluronic acid synthesis by synovial cells from patients with rheumatoid arthritis. Clinical Science, 2004, 107, 291-296.	1.8	15
136	Reconstitution of Trabecular Meshwork GAGs: Influence of Hyaluronic Acid and Chondroitin Sulfate on Flow Rates. Journal of Glaucoma, 2005, 14, 230-238.	0.8	19
137	Simultaneous detection of submicrogram quantities of hyaluronic acid and dermatan sulfate on agarose-gel by sequential staining with toluidine blue and Stains-All. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 820, 131-135.	1.2	27
138	Pharmacokinetic behaviour of ACP gel, an autocrosslinked hyaluronan derivative, after intraperitoneal administration. Biomaterials, 2005, 26, 5368-5374.	5.7	69
139	Immunologic Roles of Hyaluronan. Immunologic Research, 2005, 31, 189-206.	1.3	105
140	Hyaluronan: Pharmaceutical Characterization and Drug Delivery. Drug Delivery, 2005, 12, 327-342.	2.5	283
141	Regulation of lung injury and repair by Toll-like receptors and hyaluronan. Nature Medicine, 2005, 11, 1173-1179.	15.2	1,291
142	Effects of atrial natriuretic peptide on the extrasplenic microvasculature and lymphatics in the ratin vivo. Journal of Physiology, 2005, 565, 269-277.	1.3	28
143	Effect of nimesulide on the serum levels of hyaluronan and stromelysin-1 in patients with osteoarthritis: a pilot study. International Journal of Clinical Practice, 2005, 58, 13-19.	0.8	7
144	Hyaluronan Synthase Induction and Hyaluronan Accumulation in Mouse Epidermis Following Skin Injury. Journal of Investigative Dermatology, 2005, 124, 898-905.	0.3	132

#	Article	IF	CITATIONS
145	Repair of cartilage defects with periosteal grafts. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2005, 58, 65-72.	1.1	16
146	The expression pattern of hyaluronan synthase during human tooth development. Archives of Oral Biology, 2005, 50, 175-179.	0.8	13
147	Development of a novel sustained release formulation of recombinant human growth hormone using sodium hyaluronate microparticles. Journal of Controlled Release, 2005, 104, 323-335.	4.8	135
148	Contribution of Oxidative-Reductive Reactions to High-Molecular-Weight Hyaluronan Catabolism. Chemistry and Biodiversity, 2005, 2, 1242-1245.	1.0	31
149	Exploiting the carboxylate chemical shift to resolve degenerate resonances in spectra of13C-labelled glycosaminoglycans. Magnetic Resonance in Chemistry, 2005, 43, 805-815.	1.1	11
150	Anti-calcification of bovine pericardium for bioprosthetic heart valves after surface modification with hyaluronic acid derivatives. Biotechnology and Bioprocess Engineering, 2005, 10, 218-224.	1.4	21
151	Serum laminin, type IV collagen and hyaluronan as fibrosis markers in non-alcoholic fatty liver disease. Brazilian Journal of Medical and Biological Research, 2005, 38, 747-753.	0.7	71
152	Role of Heparan Sulfate in Cancer. , 2005, , 699-725.		1
153	Regulation of hyaluronan synthase-2 expression in human intestinal mesenchymal cells: mechanisms of interleukin-11²-mediated induction. American Journal of Physiology - Renal Physiology, 2005, 289, G462-G470.	1.6	17
154	Mechanisms Involved in Enhancement of Osteoclast Formation and Function by Low Molecular Weight Hyaluronic Acid. Journal of Biological Chemistry, 2005, 280, 18967-18972.	1.6	60
155	Hyaluronan in Immune Processes. Advances in Experimental Medicine and Biology, 2005, 564, 57-69.	0.8	2
156	Effects of Leflunomide on Hyaluronan Synthases (HAS): NF-κB-Independent Suppression of IL-1-Induced HAS1 Transcription by Leflunomide. Journal of Immunology, 2005, 174, 7376-7382.	0.4	22
157	Pep-1 as a Novel Probe for the In Situ Detection of Hyaluronan. Journal of Histochemistry and Cytochemistry, 2005, 53, 745-751.	1.3	21
158	Identification of a membrane-localized cysteine cluster near the substrate-binding sites of the Streptococcus equisimilis hyaluronan synthase. Glycobiology, 2005, 15, 529-539.	1.3	12
159	Cardiogenesis and the Regulation of Cardiac-Specific Gene Expression. Heart Failure Clinics, 2005, 1, 157-170.	1.0	4
160	Hyaluronan-related limited concentration by the immature kidney. Medical Hypotheses, 2005, 65, 1058-1061.	0.8	7
161	Concentration of hyaluronic acid in primary open-angle glaucoma aqueous humor. Experimental Eye Research, 2005, 80, 853-857.	1.2	27
162	"Designer―scaffolds for tissue engineering and regeneration. Israel Journal of Chemistry, 2005, 45, 487-494.	1.0	36

#	Article	IF	CITATIONS
163	Topical high molecular weight hyaluronan reduces radicular pain post laminectomy in a rat model. Spine Journal, 2005, 5, 494-502.	0.6	32
164	Synthesis of Diblock Copolymers Consisting of Hyaluronan and Poly(2-ethyl-2-oxazoline). Macromolecules, 2005, 38, 2043-2046.	2.2	44
165	Relevance of the stroma and epithelial-mesenchymal transition (EMT) for the rheumatic diseases. Arthritis Research and Therapy, 2006, 8, 210.	1.6	55
166	The role of hyaluronic acid in hemopoietic stem cell biology. Regenerative Medicine, 2006, 1, 437-445.	0.8	79
167	Concurrent Expression of Hyaluronan Biosynthetic and Processing Enzymes Promotes Growth and Vascularization of Prostate Tumors in Mice. American Journal of Pathology, 2006, 169, 247-257.	1.9	63
168	Photo-Cross-Linked Hydrogels with Polysaccharideâ^'Poly(amino acid) Structure:Â New Biomaterials for Pharmaceutical Applications. Biomacromolecules, 2006, 7, 1302-1310.	2.6	56
169	Investigation of Anti-Hyaluronidase Treatment on Vocal Fold Wound Healing. Journal of Voice, 2006, 20, 443-451.	0.6	33
170	Inhaled hyaluronic acid against exercise-induced bronchoconstriction in asthma. Pulmonary Pharmacology and Therapeutics, 2006, 19, 286-291.	1.1	24
171	Hyaluronic acid and aspartate aminotransferase levels normalized by liver function can reflect sinusoidal impairment in chronic liver disease. Liver International, 2006, 26, 439-444.	1.9	2
172	Non-invasive markers to predict the liver fibrosis in non-alcoholic fatty liver disease. Liver International, 2006, 26, 864-871.	1.9	85
173	Journal of Internal Medicine: a journal for the future. Journal of Internal Medicine, 2006, 259, 1-2.	2.7	1
174	The role of Toll-like receptors in non-infectious lung injury. Cell Research, 2006, 16, 693-701.	5.7	129
175	The signal-to-noise ratio as a measure of HA oligomer concentration: a MALDI-TOF MS study. Carbohydrate Research, 2006, 341, 1065-1070.	1.1	21
176	Defined megadalton hyaluronan polymer standards. Analytical Biochemistry, 2006, 355, 183-188.	1.1	22
177	Electrophoretic approaches to the analysis of complex polysaccharides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 834, 1-13.	1.2	69
178	A novel hydrogel crosslinked hyaluronan with glycol chitosan. Journal of Materials Science: Materials in Medicine, 2006, 17, 1259-1265.	1.7	16
179	Hyaluronic acid based materials for intestine tissue engineering: A morphological and biochemical study of cell-material interaction. Journal of Materials Science: Materials in Medicine, 2006, 17, 1365-1372.	1.7	13
180	Expression and Clinical Signification of Cytosolic Hyaluronan Levels in Invasive Breast Cancer. Breast Cancer Research and Treatment, 2006, 97, 329-337.	1.1	17

#	Article	IF	CITATIONS
181	Efficacy of a human embryo transfer medium: a prospective, randomized clinical trial study. Journal of Assisted Reproduction and Genetics, 2006, 23, 207-212.	1.2	54
182	Early bladder cancer: concept, diagnosis, and management. International Journal of Clinical Oncology, 2006, 11, 28-37.	1.0	35
183	Mammalian toll-like receptors: from endogenous ligands to tissue regeneration. Cellular and Molecular Life Sciences, 2006, 63, 2901-2907.	2.4	120
184	Hyaluronan fragments: An information-rich system. European Journal of Cell Biology, 2006, 85, 699-715.	1.6	949
185	Snake venom hyaluronidase: a therapeutic target. Cell Biochemistry and Function, 2006, 24, 7-12.	1.4	139
186	Comparison of poly(aspartic acid) hydrogel and poly(aspartic acid)/gelatin complex for entrapment and pH-sensitive release of protein drugs. Journal of Applied Polymer Science, 2006, 99, 2320-2329.	1.3	20
187	Synthesis and evaluation of injectable, in situ crosslinkable synthetic extracellular matrices for tissue engineering. Journal of Biomedical Materials Research - Part A, 2006, 79A, 902-912.	2.1	185
188	Hyaluronan and its receptors in mucoepidermoid carcinoma. Head and Neck, 2006, 28, 176-181.	0.9	5
189	Matrix Regulation of Lung Injury, Inflammation, and Repair: The Role of Innate Immunity. Proceedings of the American Thoracic Society, 2006, 3, 401-404.	3.5	93
190	Immediate Inflammatory Response and Scar Formation in Wounded Vocal Folds. Annals of Otology, Rhinology and Laryngology, 2006, 115, 921-929.	0.6	85
191	NAD(P)H oxidase contributes to the progression of remote hepatic parenchymal injury and endothelial dysfunction, but not microvascular perfusion deficits. American Journal of Physiology - Renal Physiology, 2006, 290, G1025-G1032.	1.6	21
192	Biomimetic modification of the gliding surface of extrasynovial tendon. Journal of Materials Research, 2006, 21, 2079-2083.	1.2	3
193	ACP Gel: A New Hyaluronic Acid???Based Injectable for Facial Rejuvenation. Preclinical Data in a Rabbit Model. Plastic and Reconstructive Surgery, 2006, 118, 341-346.	0.7	16
194	Sp1 and Sp3 Mediate Constitutive Transcription of the Human Hyaluronan Synthase 2 Gene. Journal of Biological Chemistry, 2006, 281, 18043-18050.	1.6	42
195	Importance of the functional sensitivity determination of a serum hyaluronic acid assay for the prediction of liver fibrosis in patients with features of the metabolic syndrome. Clinical Chemistry and Laboratory Medicine, 2006, 44, 505-7.	1.4	2
196	Mutation of Two Intramembrane Polar Residues Conserved within the Hyaluronan Synthase Family Alters Hyaluronan Product Size. Journal of Biological Chemistry, 2006, 281, 11755-11760.	1.6	29
197	Hyaluronan Fragments Act as an Endogenous Danger Signal by Engaging TLR2. Journal of Immunology, 2006, 177, 1272-1281.	0.4	606
198	The Effect of Hyaluronic Acid-supplemented Bone Graft in Bone Healing: Experimental Study in Rabbits. Journal of Biomaterials Applications, 2006, 20, 209-220.	1.2	78

#	Article	IF	CITATIONS
199	Effects of cross-linking molecular weights in a hyaluronic acid–poly(ethylene oxide) hydrogel network on its properties. Biomedical Materials (Bristol), 2006, 1, 116-123.	1.7	30
200	Comparison between High and Low Molecular Weight Hyaluronates in Knee Osteoarthritis Patients: Open-label, Randomized, Multicentre Clinical Trial. Journal of International Medical Research, 2006, 34, 77-87.	0.4	47
201	Glycosaminoglycans and their proteoglycans: hostâ€associated molecular patterns for initiation and modulation of inflammation. FASEB Journal, 2006, 20, 9-22.	0.2	560
202	Influence of cross-linked hyaluronic acid hydrogels on neurite outgrowth and recovery from spinal cord injury. Journal of Neurosurgery: Spine, 2007, 6, 133-140.	0.9	91
203	Inducible Hyaluronan Production Reveals Differential Effects on Prostate Tumor Cell Growth and Tumor Angiogenesis. Journal of Biological Chemistry, 2007, 282, 20561-20572.	1.6	54
204	Inhibition of Hyaluronidase Activity by <i>Vitis rotundifolia</i> . (Muscadine) Berry Seeds and Skins. Pharmaceutical Biology, 2007, 45, 667-673.	1.3	23
205	Mutations in gfpt1 and skiv2l2 Cause Distinct Stage-Specific Defects in Larval Melanocyte Regeneration in Zebrafish. PLoS Genetics, 2007, 3, e88.	1.5	37
206	Exogenous mesenchymal stem cells localize to the kidney by means of CD44 following acute tubular injury. Kidney International, 2007, 72, 430-441.	2.6	333
207	Enhanced Oral Bioavailability of Piroxicam in Rats by Hyaluronate Microspheres. Drug Development and Industrial Pharmacy, 2007, 33, 485-491.	0.9	16
208	Tumor Engineering: Orthotopic Cancer Models in Mice Using Cell-Loaded, Injectable, Cross-Linked Hyaluronan-Derived Hydrogels. Tissue Engineering, 2007, 13, 1091-1101.	4.9	68
209	Evaluation of Serum Hyaluronic Acid Level and Hyaluronidase Activity in Acute and Chronic Hepatitis C. Journal of International Medical Research, 2007, 35, 346-352.	0.4	16
210	Hyaluronan and CD44 antagonize mitogen-dependent cyclin D1 expression in mesenchymal cells. Journal of Cell Biology, 2007, 176, 535-544.	2.3	70
211	Acceptor Specificity of the Pasteurella Hyaluronan and Chondroitin Synthases and Production of Chimeric Glycosaminoglycans. Journal of Biological Chemistry, 2007, 282, 337-344.	1.6	30
212	Hyaluronan in Breast Cancer: Correlations With Nitric Oxide Synthases and Tyrosine Nitrosylation. Journal of Histochemistry and Cytochemistry, 2007, 55, 1191-1198.	1.3	33
213	Modulation of Glycosaminoglycan Levels in Tree Shrew Sclera during Lens-Induced Myopia Development and Recovery. , 2007, 48, 2947.		51
214	Hyaluronan blocks porcine pancreatic elastase-induced mucociliary dysfunction in allergic sheep. Journal of Applied Physiology, 2007, 102, 2324-2331.	1.2	6
215	The magic glue hyaluronan and its eraser hyaluronidase: A biological overview. Life Sciences, 2007, 80, 1921-1943.	2.0	511
216	Hyaluronan-mediated angiogenesis in vascular disease: Uncovering RHAMM and CD44 receptor signaling pathways. Matrix Biology, 2007, 26, 58-68.	1.5	377

#	Article	IF	CITATIONS
217	Synthesis and degradation test of hyaluronic acid hydrogels. International Journal of Biological Macromolecules, 2007, 40, 374-380.	3.6	85
218	Hyaluronan Oligosaccharides Inhibit Tumorigenicity of Osteosarcoma Cell Lines MG-63 and LM-8 in Vitro and in Vivo via Perturbation of Hyaluronan-Rich Pericellular Matrix of the Cells. American Journal of Pathology, 2007, 171, 274-286.	1.9	69
219	Effects of hyaluronan treatment on lipopolysaccharide-challenged fibroblast-like synovial cells. Arthritis Research and Therapy, 2007, 9, R1.	1.6	77
220	Hyaluronan Synthases: A Decade-plus of Novel Glycosyltransferases. Journal of Biological Chemistry, 2007, 282, 36777-36781.	1.6	297
221	Liver dysfunction after lung recruitment manoeuvres during pressure-controlled ventilation in experimental acute respiratory distress. Critical Care, 2007, 11, R13.	2.5	21
222	Hyaluronan in Tissue Injury and Repair. Annual Review of Cell and Developmental Biology, 2007, 23, 435-461.	4.0	727
223	Hyaluronan Biosynthesis Systems from Microbes to Man. , 2007, , 325-341.		0
224	Boundary lubrication of articular cartilage: Role of synovial fluid constituents. Arthritis and Rheumatism, 2007, 56, 882-891.	6.7	447
225	Macromolecular Biomaterials for Scaffold-Based Vascular Tissue Engineering. Macromolecular Bioscience, 2007, 7, 701-718.	2.1	108
226	Implicit constitutive equations in the modeling of bimodular materials: An application to biomaterials. Computers and Mathematics With Applications, 2007, 53, 209-218.	1.4	6
227	Matrix assisted laser desorption ionization-time of flight mass spectrometry analysis of hyaluronan oligosaccharides. Analytica Chimica Acta, 2007, 593, 207-213.	2.6	14
228	Preparation and characterization of new hydrogels based on hyaluronic acid and α,β-polyaspartylhydrazide. European Polymer Journal, 2007, 43, 3953-3962.	2.6	27
229	Controlled drug delivery to the lung: Influence of hyaluronic acid solution conformation on its adsorption to hydrophobic drug particles. International Journal of Pharmaceutics, 2007, 330, 175-182.	2.6	33
230	Synthesis and in vitro evaluation of thiolated hyaluronic acid for mucoadhesive drug delivery. International Journal of Pharmaceutics, 2007, 343, 48-58.	2.6	120
231	Comparison of the sensitivity of 11 crosslinked hyaluronic acid gels to bovine testis hyaluronidase. Polymer Degradation and Stability, 2007, 92, 915-919.	2.7	74
232	Differential Regulation of Hyaluronan Metabolism in the Epidermal and Dermal Compartments of Human Skin by UVB Irradiation. Journal of Investigative Dermatology, 2007, 127, 687-697.	0.3	138
233	The distribution of renal hyaluronan and the expression of hyaluronan synthases during water deprivation in the Spinifex hopping mouse, Notomys alexis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, 853-860.	0.8	6
234	Hyaluronic acid is a useful tool for intraoperative sentinel node detection in gastric cancer surgery. Surgery, 2007, 141, 815-820.	1.0	9

#	Article	IF	CITATIONS
235	Growth factor binding to the pericellular matrix and its importance in tissue engineeringâ~†. Advanced Drug Delivery Reviews, 2007, 59, 1366-1381.	6.6	252
236	Lambing rate using vitrified blastocysts is improved by culture with BSA and hyaluronan. Molecular Reproduction and Development, 2007, 74, 42-47.	1.0	26
238	Innate Immunity: A Cutaneous Perspective. Clinical Reviews in Allergy and Immunology, 2007, 33, 15-26.	2.9	30
239	Synthesis and evaluation of hyaluronic acid–poly(ethylene oxide) hydrogel via Michael-type addition reaction. Current Applied Physics, 2007, 7, e28-e32.	1.1	18
240	Histochemical localization of the extracellular matrix components in the annular ligament of rat stapediovestibular joint with special reference to fibrillin, 36-kDa microfibril-associated glycoprotein (MAGP-36), and hyaluronic acid. Medical Molecular Morphology, 2008, 41, 28-33.	0.4	18
241	Crosslinked hyaluronan with a proteinâ€like polymer: Novel bioresorbable films for biomedical applications. Journal of Biomedical Materials Research - Part A, 2008, 84A, 413-424.	2.1	30
242	Scaffolds based on hyaluronan crosslinked with a polyaminoacid: Novel candidates for tissue engineering application. Journal of Biomedical Materials Research - Part A, 2008, 87A, 770-779.	2.1	10
243	Drugâ€binding hydrogels of hyaluronic acid functionalized with βâ€cyclodextrin. Journal of Biomedical Materials Research - Part A, 2008, 87A, 1044-1052.	2.1	45
244	Effect of microwave irradiation on the molecular and structural properties of hyaluronan. Carbohydrate Polymers, 2008, 73, 640-646.	5.1	29
245	Synthesis, characterization and chondroprotective properties of a hyaluronan thioethyl ether derivative. Biomaterials, 2008, 29, 1388-1399.	5.7	40
246	Stability and bioactivity of nanocomplex of TNF-related apoptosis-inducing ligand. International Journal of Pharmaceutics, 2008, 363, 149-154.	2.6	29
247	Effect of oral and transdermal hormone therapy on hyaluronic acid in women with and without a history of intrahepatic cholestasis of pregnancy. American Journal of Obstetrics and Gynecology, 2008, 198, 375.e1-375.e5.	0.7	4
248	Native hyaluronic acid in dermatology – results of an expert meeting. JDDG - Journal of the German Society of Dermatology, 2008, 6, 176-180.	0.4	28
249	Inhibition of Hyaluronidase Activity by Select Sorghum Brans. Journal of Medicinal Food, 2008, 11, 307-312.	0.8	53
250	Use of Hyaluronanâ€Derived Hydrogels for Threeâ€Dimensional Cell Culture and Tumor Xenografts. Current Protocols in Cell Biology, 2008, 40, Unit 10.14.	2.3	36
251	Hyaluronidase 3 (HYAL3) knockout mice do not display evidence of hyaluronan accumulation. Matrix Biology, 2008, 27, 653-660.	1.5	62
252	Histological evaluation of Curcuma longa–ghee formulation and hyaluronic acid on gingival healing in dog. Journal of Ethnopharmacology, 2008, 120, 335-341.	2.0	20
253	Automated assay of hyaluronic acid in serum. Immuno-Analyse Et Biologie Specialisee, 2008, 23, 148-152.	0.0	5

#	Article	IF	CITATIONS
254	Letter to the Editor. Pulmonary Pharmacology and Therapeutics, 2008, 21, 430.	1.1	4
255	Modular extracellular matrices: Solutions for the puzzle. Methods, 2008, 45, 93-98.	1.9	91
256	Development of a new method for isolating zebrafish oocytes (Danio rerio) from ovary tissue masses. Theriogenology, 2008, 69, 269-275.	0.9	12
257	An insight on hyaluronic acid in drug targeting and drug delivery. Journal of Drug Targeting, 2008, 16, 91-107.	2.1	107
258	Anticancer Therapeutics: Targeting Macromolecules and Nanocarriers to Hyaluronan or CD44, a Hyaluronan Receptor. Molecular Pharmaceutics, 2008, 5, 474-486.	2.3	400
259	Hepatic Stem Cells and Hepatoblasts: Identification, Isolation, and Ex Vivo Maintenance. Methods in Cell Biology, 2008, 86, 137-225.	0.5	48
260	Supergiant Ampholytic Sugar Chains with Imbalanced Charge Ratio Form Saline Ultra-absorbent Hydrogels. Macromolecules, 2008, 41, 4061-4064.	2.2	81
261	Equivalent Involvement of Inter-α-trypsin Inhibitor Heavy Chain Isoforms in Forming Covalent Complexes with Hyaluronan. Connective Tissue Research, 2008, 49, 48-55.	1.1	15
262	Biocompatibility of hyaluronic acid: From cell recognition to therapeutic applications. , 2008, , 716-737.		2
263	Mouse Hyal3 encodes a 45- to 56-kDa glycoprotein whose overexpression increases hyaluronidase 1 activity in cultured cells. Glycobiology, 2008, 18, 280-289.	1.3	49
264	Differential Activation of ERK and Rac Mediates the Proliferative and Anti-proliferative Effects of Hyaluronan and CD44. Journal of Biological Chemistry, 2008, 283, 31823-31829.	1.6	77
265	The Cytoplasmic Domain of the Hyaluronan Receptor for Endocytosis (HARE) Contains Multiple Endocytic Motifs Targeting Coated Pit-mediated Internalization. Journal of Biological Chemistry, 2008, 283, 21453-21461.	1.6	60
266	Hyaluronan Constitutively Regulates Activation of COX-2-mediated Cell Survival Activity in Intestinal Epithelial and Colon Carcinoma Cells. Journal of Biological Chemistry, 2008, 283, 14335-14344.	1.6	90
267	Mannose Inhibits Hyaluronan Synthesis by Down-regulation of the Cellular Pool of UDP-N-acetylhexosamines. Journal of Biological Chemistry, 2008, 283, 7666-7673.	1.6	60
268	Treatment of Osteochondritis Dissecans of the Ankle with Hyaluronic Acid Injections: A Prospective Study. Foot and Ankle International, 2008, 29, 1171-1178.	1.1	32
269	Structure and Function of Inter-α-Trypsin Inhibitor Heavy Chains. Connective Tissue Research, 2008, 49, 311-320.	1.1	102
270	Hyaluronan Accumulation Is Elevated in Cultures of Low Density Lipoprotein Receptor-deficient Cells and Is Altered by Manipulation of Cell Cholesterol Content. Journal of Biological Chemistry, 2008, 283, 36195-36204.	1.6	20
271	A mouse model of human mucopolysaccharidosis IX exhibits osteoarthritis. Human Molecular Genetics, 2008, 17, 1904-1915.	1.4	90

#	Article	IF	Citations
272	Serum Inter–α-Trypsin Inhibitor and Matrix Hyaluronan Promote Angiogenesis in Fibrotic Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 939-947.	2.5	49
273	Hyaluronidase Expression and Activity Is Regulated by Pro-Inflammatory Cytokines in Human Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 289-295.	1.4	44
274	Gradients in the Liver's Extracellular Matrix Chemistry from Periportal to Pericentral Zones: Influence on Human Hepatic Progenitors. Tissue Engineering - Part A, 2008, 14, 59-70.	1.6	66
275	Preparation and in Vivo Evaluation of Piroxicam-Loaded Gelatin Microcapsule by Spray Drying Technique. Biological and Pharmaceutical Bulletin, 2008, 31, 1284-1287.	0.6	20
276	Activation of the innate immune system by the endogenous ligand hyaluronan. Current Opinion in Organ Transplantation, 2008, 13, 20-25.	0.8	38
277	Hyaluronan and hyaluronidase in genitourinary tumors. Frontiers in Bioscience - Landmark, 2008, Volume, 5664.	3.0	66
278	Hyaluronan in Human Tumors. , 2009, , 257-284.		2
279	Hyaluronan Synthesis and Turnover in Prostate Cancer. , 2009, , 309-327.		0
280	Role of Hyaluronan Metabolism in the Initiation, Invasion, and Metastasis of Breast Cancer. , 2009, , 341-360.		0
281	Macromolecular Leak from Extrasplenic Lymphatics during Endotoxemia. Lymphatic Research and Biology, 2009, 7, 131-137.	0.5	12
282	Two Novel Functions of Hyaluronidase-2 (Hyal2) Are Formation of the Glycocalyx and Control of CD44-ERM Interactions. Journal of Biological Chemistry, 2009, 284, 33495-33508.	1.6	64
283	NLRP3/Cryopyrin Is Necessary for Interleukin-1β (IL-1β) Release in Response to Hyaluronan, an Endogenous Trigger of Inflammation in Response to Injury. Journal of Biological Chemistry, 2009, 284, 12762-12771.	1.6	258
284	Expression of Hyaluronan Synthase 1 and Distribution of Hyaluronan During Follicular Atresia in Pig Ovaries1. Biology of Reproduction, 2009, 80, 249-257.	1.2	9
285	Increased Connective Tissue Extracellular Matrix in the <i>op/op</i> Model of Osteopetrosis. Pathobiology, 2009, 76, 199-203.	1.9	8
286	Role, Metabolism, Chemical Modifications and Applications of Hyaluronan. Current Medicinal Chemistry, 2009, 16, 1718-1745.	1.2	223
287	Rat and human HARE/stabilin-2 are clearance receptors for high- and low-molecular-weight heparins. American Journal of Physiology - Renal Physiology, 2009, 296, G1191-G1199.	1.6	37
288	Androgen-Stimulated UDP-Glucose Dehydrogenase Expression Limits Prostate Androgen Availability without Impacting Hyaluronan Levels. Cancer Research, 2009, 69, 2332-2339.	0.4	35
289	Decreased hyaluronan in airway smooth muscle cells from patients with asthma and COPD. European Respiratory Journal, 2009, 34, 616-628.	3.1	49

#	Article	IF	CITATIONS
290	Rheostatic signaling by CD44 and hyaluronan. Cellular Signalling, 2009, 21, 651-655.	1.7	85
291	Autoâ€crosslinked hyaluronic acid gel accelerates healing of rabbit flexor tendons in vivo. Journal of Orthopaedic Research, 2009, 27, 408-415.	1.2	39
292	Regulation of the chondrogenic phenotype in culture. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 351-371.	3.6	122
293	Photopatterned collagen–hyaluronic acid interpenetrating polymer network hydrogels. Acta Biomaterialia, 2009, 5, 2385-2397.	4.1	177
294	Influence of dialkyne structure on the properties of new click-gels based on hyaluronic acid. International Journal of Pharmaceutics, 2009, 378, 86-92.	2.6	34
295	Invasive prostate cancer cells are tumor initiating cells that have a stem cell-like genomic signature. Clinical and Experimental Metastasis, 2009, 26, 433-446.	1.7	192
296	Bioactivated collagen-based scaffolds embedding protein-releasing biodegradable microspheres: tuning of protein release kinetics. Journal of Materials Science: Materials in Medicine, 2009, 20, 2117-2128.	1.7	27
297	Hereditary cutaneous mucinosis in shar pei dogs is associated with increased hyaluronan synthaseâ€2 mRNA transcription by cultured dermal fibroblasts. Veterinary Dermatology, 2009, 20, 377-382.	0.4	27
298	Stimulation of epidermal calcium gradient loss increases the expression of hyaluronan and CD44 in mouse skin. Clinical and Experimental Dermatology, 2010, 35, 650-657.	0.6	14
299	Increased Hyaluronan Production and Decreased E-Cadherin Expression by Cytokine-Stimulated Keratinocytes Lead to Spongiosis Formation. Journal of Investigative Dermatology, 2009, 129, 1412-1420.	0.3	48
300	Extrinsic ageing in the human skin is associated with alterations in the expression of hyaluronic acid and its metabolizing enzymes. Experimental Dermatology, 2009, 18, 1028-1035.	1.4	93
301	Quantification and characterization of enzymatically produced hyaluronan with fluorophore-assisted carbohydrate electrophoresis. Analytical Biochemistry, 2009, 384, 329-336.	1.1	18
302	Low molecular weight hyaluronan inhibits colorectal carcinoma growth by decreasing tumor cell proliferation and stimulating immune response. Cancer Letters, 2009, 278, 9-16.	3.2	57
303	Glycosaminoglycan and transforming growth factor Î ² 1 changes in human plasma and urine during the menstrual cycle, in vitro fertilization treatment, and pregnancy. Fertility and Sterility, 2009, 92, 320-327.	0.5	10
304	Differential effect of molecular size HA in mouse chondrocytes stimulated with PMA. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1353-1367.	1.1	46
305	Hyaluronan concentration within a 3D collagen matrix modulates matrix viscoelasticity, but not fibroblast response. Matrix Biology, 2009, 28, 336-346.	1.5	81
306	Glycosaminoglycans reduced inflammatory response by modulating toll-like receptor-4 in LPS-stimulated chondrocytes. Archives of Biochemistry and Biophysics, 2009, 491, 7-15.	1.4	53
307	Intercellular adhesion molecule-1 and gelatinase expression in human peritoneal mesothelial cells during propagation in culture. Translational Research, 2009, 153, 240-248.	2.2	3

#	Article	IF	CITATIONS
308	Regulation of Colonic Epithelial Repair in Mice by Toll-Like Receptors and Hyaluronic Acid. Gastroenterology, 2009, 137, 2041-2051.	0.6	100
309	Alkylamino Hydrazide Derivatives of Hyaluronic Acid: Synthesis, Characterization in Semidilute Aqueous Solutions, and Assembly into Thin Multilayer Films. Biomacromolecules, 2009, 10, 2875-2884.	2.6	20
310	Final Report of the Safety Assessment of Hyaluronic Acid, Potassium Hyaluronate, and Sodium Hyaluronate. International Journal of Toxicology, 2009, 28, 5-67.	0.6	124
311	Spontaneous Metastasis of Prostate Cancer Is Promoted by Excess Hyaluronan Synthesis and Processing. American Journal of Pathology, 2009, 174, 1027-1036.	1.9	125
312	Antitumor Therapy Mediated by 5-Fluorocytosine and a Recombinant Fusion Protein Containing TSG-6 Hyaluronan Binding Domain and Yeast Cytosine Deaminase. Molecular Pharmaceutics, 2009, 6, 801-812.	2.3	19
313	DRAG-REDUCING HYALURONIC ACID INCREASES SURVIVAL IN PROFOUNDLY HEMORRHAGED RATS. Shock, 2009, 31, 258-261.	1.0	22
314	Hyaluronic acid and intestinal inflammation. Current Opinion in Gastroenterology, 2010, 26, 85-87.	1.0	7
315	The Effect of Seprafilm on Adhesion Formation and Tendon Healing After Flexor Tendon Repair in Chicken. Orthopedics, 2010, 33, 164-170.	0.5	17
316	Characterization and comparison of shear and extensional flow of sodium hyaluronate and human synovial fluid. Biorheology, 2010, 47, 205-224.	1.2	42
317	Genetic variation in hyaluronan metabolism loci is associated with plasma plasminogen activator inhibitor-1 concentration. Blood, 2010, 116, 2160-2163.	0.6	9
318	Nano- and Microgels Through Addition Reactions of Functional Oligomers and Polymers. Advances in Polymer Science, 2010, , 65-93.	0.4	12
319	Metabolic profile of glycosaminoglycans in bladder and urethra of female rats during and after pregnancy. International Urogynecology Journal, 2010, 21, 241-246.	0.7	4
320	Self-assembling and auto-crosslinkable hyaluronic acid hydrogels with a fibrillar structure. Acta Biomaterialia, 2010, 6, 195-204.	4.1	38
321	Preparation and the kinetic stability of hyaluronan radiolabeled with 1111n, 1251 and 14C. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 517-524.	1.4	13
322	Analysis of the expression of hyaluronan in intraductal and invasive carcinomas of the breast. Journal of Cancer Research and Clinical Oncology, 2010, 136, 745-750.	1.2	15
323	Bioengineering the Skin–Implant Interface: The Use of Regenerative Therapies in Implanted Devices. Annals of Biomedical Engineering, 2010, 38, 2013-2031.	1.3	35
324	Hyaluronic acid improves "pleasantness―and tolerability of nebulized hypertonic saline in a cohort of patients with cystic fibrosis. Advances in Therapy, 2010, 27, 870-878.	1.3	51
325	Bone marrow hyaluronan and reticulin in patients with malignant disorders. Medical Oncology, 2010, 27, 618-623.	1.2	5

#	ARTICLE	IF	CITATIONS
326	Target specific and long-acting delivery of protein, peptide, and nucleotide therapeutics using hyaluronic acid derivatives. Journal of Controlled Release, 2010, 141, 2-12.	4.8	468
327	Adhesion molecules—The lifelines of multiple myeloma cells. Seminars in Cancer Biology, 2010, 20, 186-195.	4.3	91
328	Retention of conditioning agent hyaluronan on hydrogel contact lenses. Contact Lens and Anterior Eye, 2010, 33, S2-S6.	0.8	35
329	Hematopoietic stem cell lodgment in the adult bone marrow stem cell niche. International Journal of Laboratory Hematology, 2010, 32, 551-558.	0.7	22
330	Effects of hyaluronic acid sponge as a scaffold on odontoblastic cell line and amputated dental pulp. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 120-128.	1.6	78
331	pH effect on the synthesis, shear properties, and homogeneity of ironâ€crosslinked hyaluronic acidâ€based gel/adhesion barrier. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 95B, 9-18.	1.6	15
333	Glucose/Glucuronic Acid Alternating Coâ€polysaccharides Prepared from TEMPOâ€Oxidized Native Celluloses by Surface Peeling. Angewandte Chemie - International Edition, 2010, 49, 7670-7672.	7.2	92
334	Short and long term biocompatibility of NeuroProbes silicon probes. Journal of Neuroscience Methods, 2010, 189, 216-229.	1.3	55
335	The adhesive properties of coacervated recombinant hybrid mussel adhesive proteins. Biomaterials, 2010, 31, 3715-3722.	5.7	143
336	High-performance liquid chromatography and on-line mass spectrometry detection for the analysis of chondroitin sulfates/hyaluronan disaccharides derivatized with 2-aminoacridone. Analytical Biochemistry, 2010, 397, 12-23.	1.1	60
337	Crystal templating dendritic pore networks and fibrillar microstructure into hydrogels. Acta Biomaterialia, 2010, 6, 2415-2421.	4.1	30
338	Diffusion–convection effects on drug distribution at the cell membrane level in a patch-clamp setup. BioSystems, 2010, 102, 134-147.	0.9	2
339	Degradation of hyaluronic acid powder by electron beam irradiation, gamma ray irradiation, microwave irradiation and thermal treatment: A comparative study. Carbohydrate Polymers, 2010, 79, 1080-1085.	5.1	73
340	Self-assembly immobilization of hyaluronan thiosemicarbazone on a gold surface for cell culture applications. Carbohydrate Polymers, 2010, 82, 100-105.	5.1	12
341	Functional morphology of the soundâ€generating labia in the syrinx of two songbird species. Journal of Anatomy, 2010, 216, 23-36.	0.9	50
342	Serum hyaluronic acid in dogs with congenital portosystemic shunts. Journal of Small Animal Practice, 2010, 51, 260-263.	0.5	12
343	Change of HA molecular size and boundary lubrication in synovial fluid of patients with temporomandibular disorders. Journal of Oral Rehabilitation, 2010, 37, 271-277.	1.3	13
344	Serum Level of SHAP as a Disease Marker: A Comparison with Hyaluronan. Trends in Glycoscience and Glycotechnology, 2010, 22, 80-88.	0.0	1

ARTICLE IF CITATIONS Systemic Circulation., 2010, , 91-116. 345 3 Hyaluronan: its potential application in intervertebral disc regeneration. Orthopedic Research and 346 Réviews, 2010, Volume 2, 17-26. CD44 Deficiency Is Associated with Enhanced<i>Escherichia coli</i>-Induced Proinflammatory 347 26 1.0 Cytokine and Chemokine Release by Peritoneal Macrophages. Infection and Immunity, 2010, 78, 115-124. Hyaluronan Inhibits Postchemotherapy Tumor Regrowth in a Colon Carcinoma Xenograft Model. 348 1.9 Molecular Cancer Therapeutics, 2010, 9, 3024-3032. Hyaluronan Fragments Contribute to the Ozone-Primed Immune Response to Lipopolysaccharide. 349 0.4 33 Journal of Immunology, 2010, 185, 6891-6898. TLR4 Is a Negative Regulator in Noninfectious Lung Inflammation. Journal of Immunology, 2010, 184, 0.4 44 5308-5314. Treatment of Osteoarthritis of the Ankle by Intra-articular Injections of Hyaluronic Acid. Journal of 351 0.2 30 the American Podiatric Medical Association, 2010, 100, 93-100. Therapeutic applications of hyaluronan. Molecular BioSystems, 2010, 6, 437-443. 2.9 96 Self-assembled amphiphilic hyaluronic acid graft copolymers for targeted release of antitumoral 356 2.1 65 drug. Journal of Drug Targeting, 2010, 18, 264-276. Modular Elastic Patches: Mechanical and Biological Effects. Biomacromolecules, 2010, 11, 2230-2237. 2.6 Polypeptide Grafted Hyaluronan: Synthesis and Characterization. Biomacromolecules, 2010, 11, 358 12 2.6 2313-2320. Tailoring Thermoreversible Hyaluronan Hydrogels by "Click―Chemistry and RAFT Polymerization for 107 Cell and Drug Therapy. Biomácromolecules, 2010, 11, 1261-1272. Cell-Laden Hydrogel Constructs of Hyaluronic Acid, Collagen, and Laminin for Neural Tissue 361 1.6 173 Engineering. Tissue Engineering - Part A, 2010, 16, 1703-1716. Polymeric drug delivery systems for localized cancer chemotherapy. Drug Delivery, 2010, 17, 365-375. 2.5 158 Hyaluronan Modulates Proliferation and Migration of Rabbit Fibroblasts Derived From Flexor Tendon 363 23 0.7 Epitenon and Endotenon. Journal of Hand Surgery, 2010, 35, 791-796. Effects of single wall carbon nanotubes and its functionalization with sodium hyaluronate on bone 364 46 repair. Life Sciences, 2010, 87, 215-222. Molecular size hyaluronan differently modulates toll-like receptor-4 in LPS-induced inflammation in 365 1.3144 mouse chondrocytes. Biochimie, 2010, 92, 204-215. High-molecular weight hyaluronan reduced renal PKC activation in genetically diabetic mice. 1.8 Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 1118-1130.

ARTICLE IF CITATIONS Hyaluronic Acid (SupartzÂ[®]). Drugs and Aging, 2010, 27, 925-941. 1.3 39 367 Tailored hyaluronic acid hydrogels through hydrophilic prepolymer cross-linkers. Soft Matter, 2010, 368 1.2 29 6,618-629. YKL-40 and transient elastography, a powerful team to assess hepatic fibrosis. Scandinavian Journal of 369 0.6 23 Gastroenterology, 2011, 46, 1369-1380. Cancer microenvironment, extracellular matrix, and adhesion molecules: the bitter taste of sugars in 370 chronic lymphocytic leukemia. Leukemia and Lymphoma, 2011, 52, 1619-1620. Shear Stress Regulates Adhesion and Rolling of CD44+ Leukemic and Hematopoietic Progenitor Cells 371 0.2 50 on Hyaluronan. Biophysical Journal, 2011, 101, 585-593. Enhanced Drug Loading on Magnetic Nanoparticles by Layer-by-Layer Assembly Using Drug Conjugates: Blood Compatibility Evaluation and Targeted Drug Delivery in Cancer Cells. Langmuir, 2011, 27, 1.6 14489-14496. Chitosan Scaffolds Containing Hyaluronic Acid for Cartilage Tissue Engineering. Tissue Engineering -373 1.1 149 Part C: Methods, 2011, 17, 717-730. Utilizing Cell–Matrix Interactions To Modulate Gene Transfer to Stem Cells Inside Hyaluronic Acid 2.3 Hydrogels. Molecular Pharmaceutics, 2011, 8, 1582-1591. Assessment of new hyaluronic acid assays and their impact on FibroMeter scores. Clinica Chimica 376 0.5 11 Acta, 2011, 412, 347-352. Hyaluronan reduces inflammation in experimental arthritis by modulating TLR-2 and TLR-4 cartilage 1.8 expression. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1170-1181. A novel tripolymer coating demonstrating the synergistic effect of chitosan, collagen type 1 and 378 hyaluronic acid on osteogenic differentiation of human bone marrow derived mesenchymal stem 1.0 53 cells. Biochemical and Biophysical Research Communications, 2011, 414, 270-276. The effects of high molecular weight hyaluronic acid (Hylan G-F 20) on experimentally induced temporomandibular joint osteoartrosis: part II. International Journal of Oral and Maxillofacial 379 Surgery, 2011, 40, 1406-1413. Automated quantification of serum hyaluronic acid for non-invasive assessment of liver fibrosis in 380 0.0 1 chronic hepatic diseases. Immuno-Analyse Et Biologie Specialisee, 2011, 26, 217-224. Angiotensin converting enzyme inhibition blocks interstitial hyaluronan dissipation in the neonatal 1.5 rat kidney via hyaluronan synthase 2 and hyaluronidase 1. Matrix Biology, 2011, 30, 62-69. Hyaluronan deposition and correlation with inflammation in a murine ovalbumin model of asthma. 382 72 1.5 Matrix Biology, 2011, 30, 126-134. Sexual steroids in urogynecology. Climacteric, 2011, 14, 5-14. 1.1 Design and Synthesis of Unnatural Heparosan and Chondroitin Building Blocks. Journal of Organic 384 1.7 37 Chemistry, 2011, 76, 3181-3193. Polymeric Scaffolds for Regenerative Medicine. Polymer Reviews, 2011, 51, 23-52. 5.3

#	Article	IF	CITATIONS
386	Hydrogels for the Repair of Articular Cartilage Defects. Tissue Engineering - Part B: Reviews, 2011, 17, 281-299.	2.5	385
387	Biomarkers of Osteoarthritis: A Review of Recent Research Progress on Soluble Biochemical Markers, Published Patents and Areas for Future Development. Recent Patents on Biomarkers, 2011, 1, 25-43.	0.3	0
388	Hyaluronan: From Biomimetic to Industrial Business Strategy. Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	8
389	The Use of a Hydrogel Matrix as a Cellular Delivery Vehicle in Future Cell-Based Therapies: Biological and Non-Biological Considerations. , 2011, , .		0
390	A Novel Unstable Duplication Upstream of HAS2 Predisposes to a Breed-Defining Skin Phenotype and a Periodic Fever Syndrome in Chinese Shar-Pei Dogs. PLoS Genetics, 2011, 7, e1001332.	1.5	118
391	The Role of Hyaluronan Produced by Has2 Gene Expression in Development of the Spine. Spine, 2011, 36, E914-E920.	1.0	28
392	Synthesis and Evaluation of Stearylated Hyaluronic Acid for the Active Delivery of Liposomes to Liver Endothelial Cells. Biological and Pharmaceutical Bulletin, 2011, 34, 1084-1089.	0.6	31
394	Hyaluronan–CD44 interactions as potential targets for cancer therapy. FEBS Journal, 2011, 278, 1429-1443.	2.2	403
395	The innate and adaptive immune response induced by alveolar macrophages exposed to ambient particulate matter. Toxicology and Applied Pharmacology, 2011, 257, 209-226.	1.3	203
396	UDP-glucose dehydrogenase from Capra hircus liver: Purification, partial characterization and evaluation as a coupling enzyme in UDP-galactose 4-epimerase assay. Journal of Molecular Catalysis B: Enzymatic, 2011, 68, 37-43.	1.8	4
397	Preparation and characterisation of PLGA microspheres for sustained release of recombinant human granulocyte colony-stimulating factor. Micro and Nano Letters, 2011, 6, 181.	0.6	3
398	Growth promoting substrates for human dermal fibroblasts provided by artificial extracellular matrices composed of collagen I and sulfated glycosaminoglycans. Biomaterials, 2011, 32, 8938-8946.	5.7	75
399	Hyaluronan tetrasaccharide promotes regeneration of peripheral nerve: In vivo analysis by film model method. Brain Research, 2011, 1385, 87-92.	1.1	23
400	Non-Newtonian Fluids. , 2011, , 1-47.		2
401	Small bite, large impact–saliva and salivary molecules in the medicinal leech, Hirudo medicinalis. Die Naturwissenschaften, 2011, 98, 995-1008.	0.6	76
402	Hyaluronan within fascia in the etiology of myofascial pain. Surgical and Radiologic Anatomy, 2011, 33, 891-896.	0.6	162
403	Prevention of cisplatin-induced hearing loss by administration of a thiosulfate-containing gel to the middle ear in a guinea pig model. Cancer Chemotherapy and Pharmacology, 2011, 68, 1547-1556.	1.1	36
404	Calcium phosphates compounds in conjunction with hydrogel as carrier for BMP-2: A study on ectopic bone formation in rats. Acta Biomaterialia, 2011, 7, 3042-3049.	4.1	54

#	Article	IF	CITATIONS
405	The spreading, migration and proliferation of mouse mesenchymal stem cells cultured inside hyaluronic acid hydrogels. Biomaterials, 2011, 32, 39-47.	5.7	241
406	Facile control of RGD-alginate/hyaluronate hydrogel formation for cartilage regeneration. Carbohydrate Polymers, 2011, 86, 1107-1112.	5.1	37
407	Effect of lysine hyaluronate on the healing of decubitus ulcers in rehabilitation patients. Advances in Therapy, 2011, 28, 439-445.	1.3	9
408	Mechanical characterization of polysaccharide/polyaminoacid hydrogels as potential scaffolds for tissue regeneration. Macromolecular Research, 2011, 19, 1264-1271.	1.0	1
409	Biomedical applications of biodegradable polymers. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 832-864.	2.4	1,718
410	Controlled gelation and degradation rates of injectable hyaluronic acid-based hydrogels through a double crosslinking strategy. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 790-797.	1.3	98
411	<i>In vivo</i> injectable gels for tissue repair. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 589-606.	3.3	25
412	Prevention of buccal mucosa scarring with transforming growth factor β3. Laryngoscope, 2011, 121, 1404-1409.	1.1	17
413	Hyaluronan inhibits matrix metalloproteinaseâ€13 in human arthritic chondrocytes via CD44 and P38. Journal of Orthopaedic Research, 2011, 29, 258-264.	1.2	84
414	Bloodâ€derived human osteoclast resorption activity is impaired by Hyaluronan D44 engagement via a p38â€dependent mechanism. Journal of Cellular Physiology, 2011, 226, 769-779.	2.0	23
415	Biomaterials that Regulate Growth Factor Activity via Bioinspired Interactions. Advanced Functional Materials, 2011, 21, 1754-1768.	7.8	138
416	Hyaluronic Acid Hydrogels for Biomedical Applications. Advanced Materials, 2011, 23, H41-56.	11.1	1,593
417	Hyaluronan production by means of <i>Has2</i> gene expression in chondrocytes is essential for long bone development. Developmental Dynamics, 2011, 240, 404-412.	0.8	20
418	Gene expression profile of the regeneration epithelium during axolotl limb regeneration. Developmental Dynamics, 2011, 240, 1826-1840.	0.8	58
419	Synthesis of highly substituted amide hyaluronan derivatives with tailored degree of substitution and their crosslinking via click chemistry. Carbohydrate Polymers, 2011, 84, 1293-1300.	5.1	25
420	Synthesis of N-alanyl-hyaluronamide with high degree of substitution for enhanced resistance to hyaluronidase-mediated digestion. Carbohydrate Polymers, 2011, 86, 747-752.	5.1	17
421	Easy HPLC-based separation and quantitation of chondroitin sulphate and hyaluronan disaccharides after chondroitinase ABC treatment. Carbohydrate Research, 2011, 346, 50-57.	1.1	21
422	Anti-Flt1 peptide – Hyaluronate conjugate for the treatment of retinal neovascularization and diabetic retinopathy. Biomaterials, 2011, 32, 3115-3123.	5.7	59

#	Article	IF	CITATIONS
423	Surface functionalization of hyaluronic acid hydrogels by polyelectrolyte multilayer films. Biomaterials, 2011, 32, 5590-5599.	5.7	108
424	Chemical modifications of hyaluronic acid for the synthesis of derivatives for a broad range of biomedical applications. Carbohydrate Polymers, 2011, 85, 469-489.	5.1	531
425	Conjugation of curcumin onto hyaluronic acid enhances its aqueous solubility and stability. Journal of Colloid and Interface Science, 2011, 359, 318-325.	5.0	230
426	Coating typologies and constrained swelling of hyaluronic acid gels within scaffold pores. Journal of Colloid and Interface Science, 2011, 361, 361-369.	5.0	18
427	Designing clinically useful substitutes for the extracellular matrix. , 2011, , 3-23.		1
428	Regeneration Approaches for Dental Pulp and Periapical Tissues with Growth Factors, Biomaterials, and Laser Irradiation. Polymers, 2011, 3, 1776-1793.	2.0	17
429	The Inflammation-associated Protein TSG-6 Cross-links Hyaluronan via Hyaluronan-induced TSG-6 Oligomers. Journal of Biological Chemistry, 2011, 286, 25675-25686.	1.6	119
431	Pathophysiology of the Peritoneal Membrane during Peritoneal Dialysis: The Role of Hyaluronan. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-11.	3.0	42
432	Development and characterization of local anti-inflammatory implantation for the controlled release of the hexane extract of the flower-heads of <i>Euryops pectinatus</i> L. (Cass.). Drug Discoveries and Therapeutics, 2011, 5, 96-106.	0.6	1
433	Renal interstitial hyaluronan: functional aspects during normal and pathological conditions. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1235-R1249.	0.9	55
434	Hyaluronic acid is radioprotective in the intestine through a TLR4 and COX-2-mediated mechanism. American Journal of Physiology - Renal Physiology, 2012, 302, G309-G316.	1.6	45
435	Hyaluronic acid regulates normal intestinal and colonic growth in mice. American Journal of Physiology - Renal Physiology, 2012, 303, G377-G388.	1.6	38
436	Formulation Changes Affect Material Properties and Cell Behavior in HA-Based Hydrogels. International Journal of Cell Biology, 2012, 2012, 1-9.	1.0	8
437	Inhibition of Stabilin-2 elevates circulating hyaluronic acid levels and prevents tumor metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4263-4268.	3.3	82
438	Antitumor effects of hyaluronic acid inhibitor 4-methylumbelliferone in an orthotopic hepatocellular carcinoma model in mice. Glycobiology, 2012, 22, 400-410.	1.3	91
439	Hyaluronan and Hyaluronan Binding Proteins Are Normal Components of Mouse Pancreatic Islets and Are Differentially Expressed by Islet Endocrine Cell Types. Journal of Histochemistry and Cytochemistry, 2012, 60, 749-760.	1.3	39
440	Decreased lung hyaluronan in a model of ARDS in the rat: Effect of an inhibitor of leukocyte elastase. Upsala Journal of Medical Sciences, 2012, 117, 1-9.	0.4	4
441	Properties of Jack Bean α-Mannosidase in the Presence of Hyaluronan. Bioscience, Biotechnology and Biochemistry, 2012, 76, 856-858.	0.6	1

#	Article	IF	CITATIONS
442	Bone Engineering by Biomimetic Injectable Hydrogel. Molecular Crystals and Liquid Crystals, 2012, 555, 177-188.	0.4	17
443	UDP-glucose Dehydrogenase Polymorphisms from Patients with Congenital Heart Valve Defects Disrupt Enzyme Stability and Quaternary Assembly. Journal of Biological Chemistry, 2012, 287, 32708-32716.	1.6	18
444	Hyaluronan and Layilin Mediate Loss of Airway Epithelial Barrier Function Induced by Cigarette Smoke by Decreasing E-cadherin. Journal of Biological Chemistry, 2012, 287, 42288-42298.	1.6	65
445	Transcriptomics analysis of lungs and peripheral blood of crystalline silica-exposed rats. Inhalation Toxicology, 2012, 24, 570-579.	0.8	14
446	6-Mer hyaluronan oligosaccharides increase IL-18 and IL-33 production in mouse synovial fibroblasts subjected to collagen-induced arthritis. Innate Immunity, 2012, 18, 675-684.	1.1	23
448	Histochemistry for studying structure and function of the articular disc of the human temporomandibular joint. European Journal of Histochemistry, 2012, 56, 11.	0.6	12
449	Angiogenesis in Pulmonary Fibrosis. Chest, 2012, 142, 200-207.	0.4	98
450	New methods to study the composition and structure of the extracellular matrix in natural and bioengineered tissues. Biomatter, 2012, 2, 115-131.	2.6	26
451	The role of hyaluronic acid in biomineralization. Frontiers of Materials Science, 2012, 6, 283-296.	1.1	15
452	Biochemical and mechanical environment cooperatively regulate skeletal muscle regeneration. FASEB Journal, 2012, 26, 2538-2545.	0.2	77
453	Protein kinase a mediated antiâ€inflammatory effects exerted by adenosine treatment in mouse chondrocytes stimulated with ILâ€1β. BioFactors, 2012, 38, 429-439.	2.6	16
454	Corticosteroid administration reduces the concentration of hyaluronan in bronchoalveolar lavage in a murine model of eosinophilic airway inflammation. Inflammation Research, 2012, 61, 1309-1317.	1.6	5
455	Strain-dependent Damage in Mouse Lung After Carbon Ion Irradiation. International Journal of Radiation Oncology Biology Physics, 2012, 84, e95-e102.	0.4	17
456	Design and characterization of microporous hyaluronic acid hydrogels for in vitro gene transfer to mMSCs. Acta Biomaterialia, 2012, 8, 3921-3931.	4.1	39
457	Preclinical pharmacokinetics of radiolabelled hyaluronan. Pharmacological Reports, 2012, 64, 428-437.	1.5	25
458	Assessing the responses of cellular proteins induced by hyaluronic acid-modified surfaces utilizing a mass spectrometry-based profiling system: Over-expression of CD36, CD44, CDK9, and PP2A. Analyst, The, 2012, 137, 4921.	1.7	17
459	Hyaluronan and phospholipids in boundary lubrication. Soft Matter, 2012, 8, 10241.	1.2	40
460	Engineering a Polymeric Gene Delivery Vector Based on Poly(ethylenimine) and Hyaluronic Acid. Biomacromolecules, 2012, 13, 1429-1437.	2.6	49

#	Article	IF	CITATIONS
461	Determination of the Glycosaminoglycan and Collagen Contents in Tissue Samples by High-Resolution ¹ H NMR Spectroscopy after DCl-Induced Hydrolysis. Biomacromolecules, 2012, 13, 2110-2117.	2.6	8
462	Hyaluronic Acid. Handbook of Experimental Pharmacology, 2012, , 385-401.	0.9	34
463	Inhibition of hyaluronan synthesis reduced inflammatory response in mouse synovial fibroblasts subjected to collagen-induced arthritis. Archives of Biochemistry and Biophysics, 2012, 518, 42-52.	1.4	31
464	Effect of unilateral labyrinthectomy on the molecular composition of perineuronal nets in the lateral vestibular nucleus of the rat. Neuroscience Letters, 2012, 513, 1-5.	1.0	21
465	Hyaluronic acid-based nanocarriers for intracellular targeting: Interfacial interactions with proteins in cancer. Colloids and Surfaces B: Biointerfaces, 2012, 99, 82-94.	2.5	221
466	Hybrid nanocomposite films for laserâ€activated tissue bonding. Journal of Biophotonics, 2012, 5, 868-877.	1.1	37
467	Cardiac tissue development for delivery of embryonic stem cellâ€derived endothelial and cardiac cells in natural matrices. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 2060-2072.	1.6	19
468	Steroids and β ₂ -Agonists Regulate Hyaluronan Metabolism in Asthmatic Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 759-767.	1.4	25
469	Synergistic effects of SDF- $1\hat{1}\pm$ chemokine and hyaluronic acid release from degradable hydrogels on directing bone marrow derived cell homing to the myocardium. Biomaterials, 2012, 33, 7849-7857.	5.7	119
470	The stimulation of adenosine 2A receptor reduces inflammatory response in mouse articular chondrocytes treated with hyaluronan oligosaccharides. Matrix Biology, 2012, 31, 338-351.	1.5	26
471	Identification and analysis of the human hyaluronan synthase 1 gene promoter reveals Smad3- and Sp3-mediated transcriptional induction. Matrix Biology, 2012, 31, 373-379.	1.5	13
472	Combining Colloidal Probe Atomic Force and Reflection Interference Contrast Microscopy to Study the Compressive Mechanics of Hyaluronan Brushes. Langmuir, 2012, 28, 3206-3216.	1.6	23
473	Advances in Pulmonary Delivery of Nanoparticles. Artificial Cells, Blood Substitutes, and Biotechnology, 2012, 40, 75-96.	0.9	46
474	A review on the use of hyaluronic acid in tympanic membrane wound healing. Expert Opinion on Biological Therapy, 2012, 12, 23-36.	1.4	49
475	Effect of polyvinylpyrrolidone on sperm function and early embryonic development following intracytoplasmic sperm injection in human assisted reproduction. Reproductive Medicine and Biology, 2012, 11, 165-176.	1.0	41
476	Stability of Dendriplexes Formed by Anti-HIV Genetic Material and Poly(propylene imine) Dendrimers in the Presence of Glucosaminoglycans. Journal of Physical Chemistry B, 2012, 116, 14525-14532.	1.2	11
477	Local Regeneration of Dentin-Pulp Complex Using Controlled Release of FGF-2 and Naturally Derived Sponge-Like Scaffolds. International Journal of Dentistry, 2012, 2012, 1-8.	0.5	41
478	Developing Fluorescent Hyaluronan Analogs for Hyaluronan Studies. Molecules, 2012, 17, 1520-1534.	1.7	13

#	Article	IF	CITATIONS
479	Biophysical Basics of Body Treatments: Is Hyaluronan a Link That Has Gone Unnoticed?. The American Journal of Cosmetic Surgery, 2012, 29, 121-127.	0.1	7
480	Hepatoprotective effect of basil (Ocimum basilicum L.) on CCl4-induced liver fibrosis in rats. African Journal of Biotechnology, 2012, 11, 15702-15711.	0.3	17
481	Hyaluronic Acid Can be a New Plant Growth Regulator for Hybrid Cymbidium Micropropagation. Plant Tissue Culture and Biotechnology, 2012, 22, 59-64.	0.1	5
482	Tissue Regeneration in Dentistry. International Journal of Dentistry, 2012, 2012, 1-1.	0.5	12
483	Liver progenitor cell interactions with the extracellular matrix. Journal of Tissue Engineering and Regenerative Medicine, 2012, 7, n/a-n/a.	1.3	14
484	Hyaluronan Expressed by the Hematopoietic Microenvironment Is Required for Bone Marrow Hematopoiesis. Journal of Biological Chemistry, 2012, 287, 25419-25433.	1.6	38
485	Surface modification counteracts adverse effects associated with immobilization after flexor tendon repair. Journal of Orthopaedic Research, 2012, 30, 1940-1944.	1.2	13
486	The clinical application and efficacy of sodium hyaluronate–carboxymethylcellulose during tympanomastoid surgery. Laryngoscope, 2012, 122, 912-915.	1.1	10
487	Systemic blockade of the hyaluronan receptor for endocytosis prevents lymph node metastasis of prostate cancer. International Journal of Cancer, 2012, 131, E836-40.	2.3	24
488	A novel injectable and <i>in situ</i> crosslinked hydrogel based on hyaluronic acid and α,βâ€polyaspartylhydrazide. Journal of Applied Polymer Science, 2012, 125, 1116-1126.	1.3	15
489	The interaction between CD44 on tumour cells and hyaluronan under physiologic flow conditions: implications for metastasis formation. Histochemistry and Cell Biology, 2012, 137, 687-695.	0.8	32
490	Synthesis and characterization of an aggrecan mimic. Acta Biomaterialia, 2012, 8, 1543-1550.	4.1	45
491	Novel self-associative and multiphasic nanostructured soft carriers based on amphiphilic hyaluronic acid derivatives. Carbohydrate Polymers, 2012, 87, 444-451.	5.1	40
492	A study on the nature of intermolecular links in the cryotropic weak gels of hyaluronan. Carbohydrate Polymers, 2012, 87, 2076-2085.	5.1	55
493	Gold nanoparticles generated and stabilized by water soluble curcumin–polymer conjugate: Blood compatibility evaluation and targeted drug delivery onto cancer cells. Journal of Colloid and Interface Science, 2012, 368, 144-151.	5.0	175
494	Hyaluronic acid-based hydrogels functionalized with heparin that support controlled release of bioactive BMP-2. Biomaterials, 2012, 33, 6113-6122.	5.7	168
495	Adenosine A2A receptor activation and hyaluronan fragment inhibition reduce inflammation in mouse articular chondrocytes stimulated with interleukinâ€łÎ². FEBS Journal, 2012, 279, 2120-2133.	2.2	38
496	The Low Level Laser Therapy Effect on the Remodeling of Bone Extracellular Matrix. Photochemistry and Photobiology, 2012, 88, 1293-1301.	1.3	30

#	Article	IF	CITATIONS
497	Hyaluronic acid influence on platelet-induced airway smooth muscle cell proliferation. Experimental Cell Research, 2012, 318, 632-640.	1.2	14
498	Regulation of cell volume by glycosaminoglycans. Journal of Cellular Biochemistry, 2012, 113, 340-348.	1.2	9
499	Hyaluronan differently modulates TLRâ€4 and the inflammatory response in mouse chondrocytes. BioFactors, 2012, 38, 69-76.	2.6	75
500	Nebulized Hyaluronan Ameliorates lung inflammation in cystic fibrosis mice. Pediatric Pulmonology, 2013, 48, 761-771.	1.0	34
501	Influence of hyaluronic acid on wound healing using composite porcine acellular dermal matrix grafts and autologous skin in rabbits. International Wound Journal, 2013, 10, 562-572.	1.3	23
502	Hyaluronic acid concentrations in synovial fluid of dogs with different stages of osteoarthritis. Research in Veterinary Science, 2013, 94, 728-734.	0.9	18
503	Isolation, characterization and antioxidant activity of hyaluronic acid from marine bivalve mollusc Amussium pleuronectus (Linnaeus, 1758). Bioactive Carbohydrates and Dietary Fibre, 2013, 2, 1-7.	1.5	35
504	Photochemical crosslinking of hyaluronic acid confined in nanoemulsions: towards nanogels with a controlled structure. Journal of Materials Chemistry B, 2013, 1, 3369.	2.9	46
505	Hyaluronic acid-coated liposomes for active targeting of gemcitabine. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 373-380.	2.0	123
	•		
506	Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352.	1.3	161
506 507		1.3 1.4	161 36
	Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352. A decrease in moisture absorption–retention capacity of N-deacetylation of hyaluronic acid.		
507	 Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352. A decrease in moisture absorption–retention capacity of N-deacetylation of hyaluronic acid. Glycoconjugate Journal, 2013, 30, 577-583. The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone 	1.4	36
507 508	 Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352. A decrease in moisture absorption–retention capacity of N-deacetylation of hyaluronic acid. Glycoconjugate Journal, 2013, 30, 577-583. The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone morphogenetic protein-2 and ectopic bone formation. Acta Biomaterialia, 2013, 9, 9098-9106. Serum hyaluronan levels increase with the total number of osteoarthritic joints and are strongly associated with the presence of knee and finger osteoarthritis. International Orthopaedics, 2013, 37, 	1.4 4.1	36 87
507 508 509	 Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352. A decrease in moisture absorption–retention capacity of N-deacetylation of hyaluronic acid. Glycoconjugate Journal, 2013, 30, 577-583. The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone morphogenetic protein-2 and ectopic bone formation. Acta Biomaterialia, 2013, 9, 9098-9106. Serum hyaluronan levels increase with the total number of osteoarthritic joints and are strongly associated with the presence of knee and finger osteoarthritis. International Orthopaedics, 2013, 37, 925-930. Hyaluronic Acid Cel Injection to Prevent Thermal Injury of Adjacent Castrointestinal Tract during Percutaneous Liver Radiofrequency Ablation. CardioVascular and Interventional Radiology, 2013, 36, 	1.4 4.1 0.9	36 87 25
507 508 509 510	Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352. A decrease in moisture absorption–retention capacity of N-deacetylation of hyaluronic acid. Glycoconjugate Journal, 2013, 30, 577-583. The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone morphogenetic protein-2 and ectopic bone formation. Acta Biomaterialia, 2013, 9, 9098-9106. Serum hyaluronan levels increase with the total number of osteoarthritic joints and are strongly associated with the presence of knee and finger osteoarthritis. International Orthopaedics, 2013, 37, 925-930. Hyaluronic Acid Gel Injection to Prevent Thermal Injury of Adjacent Gastrointestinal Tract during Percutaneous Liver Radiofrequency Ablation. CardioVascular and Interventional Radiology, 2013, 36, 1144-1146. The activity against Ehrlich's ascites tumors of doxorubicin contained in self assembled, cell receptor targeted nanoparticle with simultaneous oral delivery of the green tea polyphenol	1.4 4.1 0.9 0.9	36 87 25 23
507 508 509 510	 Fascial Components of the Myofascial Pain Syndrome. Current Pain and Headache Reports, 2013, 17, 352. A decrease in moisture absorptionâ€"retention capacity of N-deacetylation of hyaluronic acid. Glycoconjugate Journal, 2013, 30, 577-583. The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone morphogenetic protein-2 and ectopic bone formation. Acta Biomaterialia, 2013, 9, 9098-9106. Serum hyaluronan levels increase with the total number of osteoarthritic joints and are strongly associated with the presence of knee and finger osteoarthritis. International Orthopaedics, 2013, 37, 925-930. Hyaluronic Acid Gel Injection to Prevent Thermal Injury of Adjacent Gastrointestinal Tract during Percutaneous Liver Radiofrequency Ablation. CardioVascular and Interventional Radiology, 2013, 36, 1144-1146. The activity against Ehrlich's ascites tumors of doxorubicin contained in self assembled, cell receptor targeted nanoparticle with simultaneous oral delivery of the green tea polyphenol epigallocatechin-3-gallate. Biomaterials, 2013, 34, 3064-3076. Synthesis of 13C-labeled and functionalized Hyaluronan derivatives for biophysical studies and 	1.4 4.1 0.9 0.9 5.7	 36 87 25 23 42

#	Article	IF	CITATIONS
515	Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces. Biomacromolecules, 2013, 14, 4340-4350.	2.6	46
516	Complications of Injectable Fillers, Part I. Aesthetic Surgery Journal, 2013, 33, 561-575.	0.9	207
517	Hyaluronan synthesis inhibitor supplements the inhibitory effects of zoledronic acid on bone metastasis of lung cancer. Clinical and Experimental Metastasis, 2013, 30, 595-606.	1.7	14
518	Hyaluronic Acid as a Marker of Hepatic Sinusoidal Obstruction Syndrome Secondary to Oxaliplatin-Based Chemotherapy in Patients with Colorectal Liver Metastases. Annals of Surgical Oncology, 2013, 20, 1462-1469.	0.7	20
519	Towards BirthAlert—A Clinical Device Intended for Early Preterm Birth Detection. IEEE Transactions on Biomedical Engineering, 2013, 60, 3484-3493.	2.5	12
520	Self-assembly and elasticity of hierarchical proteoglycan–hyaluronan brushes. Soft Matter, 2013, 9, 10473.	1.2	25
521	Intra-articular Injections of Hyaluronic Acid in Osteoarthritis of the Subtalar Joint: A Pilot Study. Journal of Foot and Ankle Surgery, 2013, 52, 172-176.	0.5	14
522	Isolation and characterization of hyaluronic acid from the liver of marine stingray Aetobatus narinari. International Journal of Biological Macromolecules, 2013, 54, 84-89.	3.6	35
523	Improving the osteogenic potential of BMP-2 with hyaluronic acid hydrogel modified with integrin-specific fibronectin fragment. Biomaterials, 2013, 34, 704-712.	5.7	102
524	Glycoblotting-based high throughput protocol for the structural characterization of hyaluronan degradation products during enzymatic fragmentation. Glycoconjugate Journal, 2013, 30, 171-182.	1.4	6
525	The use of sodium hyaluronate-carboxymethylcellulose to prevent postoperative mastication pain from harvesting of temporalis fascia. Auris Nasus Larynx, 2013, 40, 7-10.	0.5	2
526	New hyaluronic acid based brush copolymers synthesized by atom transfer radical polymerization. Carbohydrate Polymers, 2013, 92, 1054-1063.	5.1	21
527	Determination of sodium hyaluronate in pharmaceutical formulations by HPLC–UV. Journal of Pharmaceutical Analysis, 2013, 3, 324-329.	2.4	25
528	On-line separation and characterization of hyaluronan oligosaccharides derived from radical depolymerization. Carbohydrate Polymers, 2013, 96, 503-509.	5.1	16
529	The SOD mimic MnTM-2-PyP(5+) reduces hyaluronan degradation-induced inflammation in mouse articular chondrocytes stimulated with Fe (II) plus ascorbate. International Journal of Biochemistry and Cell Biology, 2013, 45, 1610-1619.	1.2	21
530	Injectable chitosan hyaluronic acid hydrogels for cartilage tissue engineering. Acta Biomaterialia, 2013, 9, 4779-4786.	4.1	280
531	Hyaluronic acid lipoate: Synthesis and physicochemical properties. Carbohydrate Polymers, 2013, 93, 273-278.	5.1	23
532	The modulation of MSC integrin expression by RGD presentation. Biomaterials, 2013, 34, 3938-3947.	5.7	69

#	Article	IF	CITATIONS
533	Design and synthesis of novel 18F-radiolabelled glucosamine derivatives for cancer imaging. MedChemComm, 2013, 4, 653.	3.5	12
534	Adhesion of Marine Fouling Organisms on Hydrophilic and Amphiphilic Polysaccharides. Langmuir, 2013, 29, 4039-4047.	1.6	95
535	The Role of HA and Has2 in the Development and Function of the Skeleton. Biology of Extracellular Matrix, 2013, , 219-247.	0.3	1
536	Molecular mass dependence of hyaluronan detection by sandwich ELISA-like assay and membrane blotting using biotinylated hyaluronan binding protein. Glycobiology, 2013, 23, 1270-1280.	1.3	30
537	Hyaluronic Acid–Silica Nanohybrid Gels. Biomacromolecules, 2013, 14, 4217-4225.	2.6	28
538	Asialoerythropoietin Exerts Stronger Angiogenic Activity than Erythropoietin Via its Binding Affinity to Tissue. Cardiovascular Drugs and Therapy, 2013, 27, 117-124.	1.3	5
539	Effect of an Adipose-Derived Stem Cell and Nerve Growth Factor-Incorporated Hydrogel on Recovery of Erectile Function in a Rat Model of Cavernous Nerve Injury. Tissue Engineering - Part A, 2013, 19, 14-23.	1.6	49
540	Hyaluronan and Phospholipid Association in Biolubrication. Biomacromolecules, 2013, 14, 4198-4206.	2.6	69
541	Inhibition of hyaluronan is protective against renal ischaemia-reperfusion injury. Nephrology Dialysis Transplantation, 2013, 28, 2484-2493.	0.4	31
542	A Crosslinked HA-Based Hydrogel Ameliorates Dry Eye Symptoms in Dogs. International Journal of Biomaterials, 2013, 2013, 1-8.	1.1	42
543	Hyaluronic acid: A boon in periodontal therapy. North American Journal of Medical Sciences, 2013, 5, 309.	1.7	168
544	Inhibition of hyaluronan synthesis in rats reduces renal ability to excrete fluid and electrolytes during acute hydration. Upsala Journal of Medical Sciences, 2013, 118, 217-221.	0.4	7
545	Hyaluronic Acid: From Biochemical Characteristics to its Clinical Translation in Assessment of Liver Fibrosis. Hepatitis Monthly, 2013, 13, e13787.	0.1	45
546	Structural Variations in Articular Cartilage Matrix Are Associated with Early-Onset Osteoarthritis in the Spondyloepiphyseal Dysplasia Congenita (Sedc) Mouse. International Journal of Molecular Sciences, 2013, 14, 16515-16531.	1.8	14
547	Physical Entrapment of Hyaluronic Acid During Synthesis Results in Extended Release From Model Hydrogel and Silicone Hydrogel Contact Lens Materials. Eye and Contact Lens, 2013, 39, 179-185.	0.8	22
548	Sputum Hyaluronan and Versican in Severe Eosinophilic Asthma. International Archives of Allergy and Immunology, 2013, 161, 65-73.	0.9	32
549	Inter-α-inhibitor Impairs TSG-6-induced Hyaluronan Cross-linking. Journal of Biological Chemistry, 2013, 288, 29642-29653.	1.6	60
550	Structure of polymer and particle aggregates in hydrogel composites. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 421-429.	2.4	14

#	Article	IF	CITATIONS
551	Proteolytic activity from chicken intestine and pancreas: extraction, partial characterization and application for hyaluronic acid separation from chicken comb. Journal of the Science of Food and Agriculture, 2013, 93, 3390-3394.	1.7	7
552	An approach to transgene expression in liver endothelial cells using a liposome-based gene vector coated with hyaluronic acid. Journal of Pharmaceutical Sciences, 2013, 102, 3119-3127.	1.6	13
553	Silk–hyaluronan-based composite hydrogels: A novel, securable vehicle for drug delivery. Journal of Biomaterials Applications, 2013, 27, 749-762.	1.2	56
554	Nanomaterials for cartilage tissue engineering. , 2013, , 301-334.		0
555	KIAA1199, a deafness gene of unknown function, is a new hyaluronan binding protein involved in hyaluronan depolymerization. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5612-5617.	3.3	212
557	UDP-glucose Dehydrogenase Activity and Optimal Downstream Cellular Function Require Dynamic Reorganization at the Dimer-Dimer Subunit Interfaces. Journal of Biological Chemistry, 2013, 288, 35049-35057.	1.6	13
558	Deregulation of hyaluronan synthesis, degradation and binding promotes breast cancer. Journal of Biochemistry, 2013, 154, 395-408.	0.9	103
559	Hyaluronic acid hydrogels for vocal fold wound healing. Biomatter, 2013, 3, .	2.6	50
560	4-Methylumbelliferone leads to growth arrest and apoptosis in canine mammary tumor cells. Oncology Reports, 2013, 29, 335-342.	1.2	27
561	The Evolution of Three-Dimensional Cell Cultures Towards Unimpeded Regenerative Medicine and Tissue Engineering. , 0, , .		5
562	Overview on Biocompatibilities of Implantable Biomaterials. , 0, , .		27
563	Using hyaluronidase medication to correct adverse events post soft tissue augmentation. Journal of Aesthetic Nursing, 2014, 3, 172-176.	0.0	1
564	Hyaluronic Acid Induces COX-2 Expression via CD44 in Orbital Fibroblasts From Patients With Thyroid-Associated Ophthalmopathy. Investigative Ophthalmology and Visual Science, 2014, 55, 7441-7450.	3.3	12
565	Fascia–Current knowledge and future directions in physiatry: Narrative review. Journal of Rehabilitation Research and Development, 2014, 51, 875-884.	1.6	22
566	Dietary Hyaluronic Acid Migrates into the Skin of Rats. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	29
567	Noninvasive Biomarkers of Liver Fibrosis: An Overview. Advances in Hepatology, 2014, 2014, 1-15.	1.3	47
568	The ability of hyaluronan fragments to reverse the resistance of C6 rat glioma cell line to temozolomide and carmustine. Wspolczesna Onkologia, 2014, 5, 323-328.	0.7	5
569	Native Polymer-Based 3D Substitutes for Cartilage Repair. , 2014, , 75-144.		0

#	Article	IF	CITATIONS
570	Bioplotting Alginate/Hyaluronic Acid Hydrogel Scaffolds with Structural Integrity and Preserved Schwann Cell Viability. 3D Printing and Additive Manufacturing, 2014, 1, 194-203.	1.4	59
571	Native Polymer-based 3D Substitutes for Bone Repair. , 2014, , 145-183.		1
572	Polysaccharide-Based Nanocarriers for Drug Delivery. Frontiers in Nanobiomedical Research, 2014, , 235-277.	0.1	6
573	Tissue Engineering Concept in the Research of the Tumor Biology. Technology in Cancer Research and Treatment, 2014, 13, 149-159.	0.8	4
574	Ophthalmic Uses of a Thiol-Modified Hyaluronan-Based Hydrogel. Advances in Wound Care, 2014, 3, 708-716.	2.6	34
575	Surgical Treatment of the Neglected Achilles Tendon Rupture with Hyalonect. Journal of the American Podiatric Medical Association, 2014, 104, 434-443.	0.2	11
576	Increased Levels of Hyaluronic Acid in Cerebrospinal Fluid in Patients with Vascular Dementia. Journal of Alzheimer's Disease, 2014, 42, 1435-1441.	1.2	33
577	Plasma hyaluronan and hemorheology in patients with septic shock: A clinical and experimental study. Clinical Hemorheology and Microcirculation, 2014, 56, 133-144.	0.9	15
578	Effect of Bucillamine on Free-Radical-Mediated Degradation of High-Molar-Mass Hyaluronan Induced in vitro by Ascorbic Acid and Cu(II) Ions. Polymers, 2014, 6, 2625-2644.	2.0	5
579	Application of Experimental Design in Preparation of Nanoliposomes Containing Hyaluronidase. Journal of Drug Delivery, 2014, 2014, 1-7.	2.5	10
580	Characterization of Silk Fibroin Modified Surface: A Proteomic View of Cellular Response Proteins Induced by Biomaterials. BioMed Research International, 2014, 2014, 1-13.	0.9	20
581	Hyaluronan in the Healthy and Malignant Hematopoietic Microenvironment. Advances in Cancer Research, 2014, 123, 149-189.	1.9	26
582	Hyaluronan Regulation of Endothelial Barrier Function in Cancer. Advances in Cancer Research, 2014, 123, 191-209.	1.9	56
583	Emerging Roles for Hyaluronidase in Cancer Metastasis and Therapy. Advances in Cancer Research, 2014, 123, 1-34.	1.9	154
584	Biophysical regulation of hematopoietic stem cells. Biomaterials Science, 2014, 2, 1548-1561.	2.6	37
585	Emerging Nanotechnology Approaches for Pulmonary Delivery of Vaccines. , 2014, , 579-601.		1
586	Collagen VI and Hyaluronan: The Common Role in Breast Cancer. BioMed Research International, 2014, 2014, 1-10.	0.9	72
587	Use of Hyaluronidase for Pharmacokinetic Increase in Bioavailability of Intracutaneously Applied Substances. Skin Pharmacology and Physiology, 2014, 27, 276-282.	1.1	17

		Citation Report		
#	Article		IF	CITATIONS
588	The role of hyaluronan in wound healing. International Wound Journal, 2014, 11, 159-	163.	1.3	135
589	Proteomic analysis of osteoarthritic chondrocyte reveals the hyaluronic acid-regulated involved in chondroprotective effect under oxidative stress. Journal of Proteomics, 202	proteins .4, 99, 40-53.	1.2	48
590	Matrix regulators in neural stem cell functions. Biochimica Et Biophysica Acta - Genera 2014, 1840, 2520-2525.	l Subjects,	1.1	40
591	Fabrication of Biocompatible and Tumor-Targeting Hyaluronan Nanospheres by a Mod Method. Journal of Pharmaceutical Sciences, 2014, 103, 1529-1537.	ified Desolvation	1.6	5
592	Elevated hyaluronan and extracellular matrix metalloproteinase inducer levels in wome preeclampsia. Archives of Gynecology and Obstetrics, 2014, 289, 575-579.	n with	0.8	22
593	Polymeric Smart Coating Strategy for Titanium Implants. Advanced Engineering Mater 1340-1350.	ials, 2014, 16,	1.6	9
594	Analysis of glycosaminoglycan-derived, precolumn, 2-aminoacridone–labeled disaccl LC-fluorescence and LC-MS detection. Nature Protocols, 2014, 9, 541-558.	narides with	5.5	116
595	Critical analysis of 3-D organoid in vitro cell culture models for high-throughput drug c toxicity assessments. Advanced Drug Delivery Reviews, 2014, 69-70, 1-18.	andidate	6.6	156
596	Fiber-reinforced hydrogel scaffolds for heart valve tissue engineering. Journal of Bioma Applications, 2014, 29, 399-410.	terials	1.2	102
597	Recombinant Human Hyaluronidase PH20 Does Not Stimulate an Acute Inflammatory Inhibits Lipopolysaccharide-Induced Neutrophil Recruitment in the Air Pouch Model of Journal of Immunology, 2014, 192, 5285-5295.		0.4	45
598	Hyaluronan-Based Nanocarriers with CD44-Overexpressed Cancer Cell Targeting. Phar Research, 2014, 31, 2988-3005.	maceutical	1.7	80
599	Performance of \hat{l}^2 -tricalcium phosphate granules and putty, bone grafting materials af sinus floor augmentation in humans. Biomaterials, 2014, 35, 3154-3163.	ter bilateral	5.7	38
600	Hyaluronic Acid Receptor for Endocytosis (HARE)-mediated Endocytosis of Hyaluronar Dermatan Sulfate, and Acetylated Low Density Lipoprotein (AcLDL), but Not Chondroi A, C, D, or E, Activates NF-κB-regulated Gene Expression. Journal of Biological Chemist 1756-1767.	tin Sulfate Types	1.6	40
601	Extracellular Matrix Components in the Pathogenesis of Type 1 Diabetes. Current Diab 2014, 14, 552.	etes Reports,	1.7	92
602	Beneficial Effects of Hyaluronic Acid. Advances in Food and Nutrition Research, 2014,	72, 137-176.	1.5	91
603	Ionically cross-linkable hyaluronate-based hydrogels for injectable cell delivery. Journal Controlled Release, 2014, 196, 146-153.	of	4.8	52
604	Hyaluronic acid-quercetin conjugate micelles: Synthesis, characterization, in vitro and evaluation. Colloids and Surfaces B: Biointerfaces, 2014, 123, 778-786.	in vivo	2.5	72
605	Hyaluronan Deficiency Due to <i>Has3</i> Knock-Out Causes Altered Neuronal Activity Reduction in Brain Extracellular Space. Journal of Neuroscience, 2014, 34, 6164-6176.		1.7	120

#	Article	IF	CITATIONS
606	Self-regulation of exopolysaccharide production in <i>Bacillus subtilis</i> by a tyrosine kinase. Genes and Development, 2014, 28, 1710-1720.	2.7	73
607	Enhanced lubrication on tissue and biomaterial surfaces through peptide-mediated binding of hyaluronic acid. Nature Materials, 2014, 13, 988-995.	13.3	183
608	Ultrasound Imaging of the Trapeziometacarpal Articular Cavity to Investigate the Presence of Intraarticular Gas Bubbles After Chiropractic Manipulation. Journal of Manipulative and Physiological Therapeutics, 2014, 37, 476-484.	0.4	5
609	Nanostructured Polymeric Coatings Based on Chitosan and Dopamineâ€Modified Hyaluronic Acid for Biomedical Applications. Small, 2014, 10, 2459-2469.	5.2	163
610	Proteomic analysis of the early bovine yolk sac fluid and cells from the day 13 ovoid and elongated preimplantation embryos. Theriogenology, 2014, 82, 657-667.	0.9	8
611	Alteration in immune responses toward N-deacetylation of hyaluronic acid. Glycobiology, 2014, 24, 1334-1342.	1.3	13
612	Staphylococcus aureus Hyaluronidase Is a CodY-Regulated Virulence Factor. Infection and Immunity, 2014, 82, 4253-4264.	1.0	90
613	Controlled release of therapeutic antibody formats. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 291-309.	2.0	40
614	Stromal reengineering to treat pancreas cancer. Carcinogenesis, 2014, 35, 1451-1460.	1.3	108
615	Ingested hyaluronan moisturizes dry skin. Nutrition Journal, 2014, 13, 70.	1.5	58
616	Association between plasma levels of hyaluronic acid and functional outcome in acute stroke patients. Journal of Neuroinflammation, 2014, 11, 101.	3.1	18
617	The role of aggrecan in normal and osteoarthritic cartilage. Journal of Experimental Orthopaedics, 2014, 1, 8.	0.8	234
618	Workflow for Combined Proteomics and Glycomics Profiling from Histological Tissues. Analytical Chemistry, 2014, 86, 9670-9678.	3.2	41
618 619	Workflow for Combined Proteomics and Glycomics Profiling from Histological Tissues. Analytical Chemistry, 2014, 86, 9670-9678. Cellular uptake and internalization of hyaluronan-based doxorubicin and cisplatin conjugates. Journal of Drug Targeting, 2014, 22, 648-657.	3.2 2.1	41 42
	Chemistry, 2014, 86, 9670-9678. Cellular uptake and internalization of hyaluronan-based doxorubicin and cisplatin conjugates.		
619	 Chemistry, 2014, 86, 9670-9678. Cellular uptake and internalization of hyaluronan-based doxorubicin and cisplatin conjugates. Journal of Drug Targeting, 2014, 22, 648-657. More than just a filler – the role of hyaluronan for skin homeostasis. Experimental Dermatology, 	2.1	42
619 620	 Chemistry, 2014, 86, 9670-9678. Cellular uptake and internalization of hyaluronan-based doxorubicin and cisplatin conjugates. Journal of Drug Targeting, 2014, 22, 648-657. More than just a filler – the role of hyaluronan for skin homeostasis. Experimental Dermatology, 2014, 23, 295-303. Insight into hyaluronic acid molecular weight control. Applied Microbiology and Biotechnology, 	2.1 1.4	42 69

#	Article	IF	CITATIONS
624	Boundary cartilage lubrication: review of current concepts. Wiener Medizinische Wochenschrift, 2014, 164, 88-94.	0.5	63
625	Design of cell–matrix interactions in hyaluronic acid hydrogel scaffolds. Acta Biomaterialia, 2014, 10, 1571-1580.	4.1	221
626	Peripheral Mechanisms Contributing to Spasticity and Implications for Treatment. Current Physical Medicine and Rehabilitation Reports, 2014, 2, 121-127.	0.3	45
627	Natural Polymers. , 2014, , 67-89.		117
628	Delivery of iPSâ€NPCs to the Stroke Cavity within a Hyaluronic Acid Matrix Promotes the Differentiation of Transplanted Cells. Advanced Functional Materials, 2014, 24, 7053-7062.	7.8	147
629	Biopolymers as Carriers for Nasal Drug Delivery. Polymer-Plastics Technology and Engineering, 2014, 53, 1518-1531.	1.9	8
630	Synthesis of thiolated glycosaminoglycans and grafting to solid surfaces. Carbohydrate Polymers, 2014, 114, 344-351.	5.1	27
631	High molecular weight hyaluronic acid increases the differentiation potential of the murine chondrocytic ATDC5 cell line. Journal of Orthopaedic Research, 2014, 32, 1619-1627.	1.2	30
632	Injection of autologous bone marrow cells in hyaluronan hydrogel improves cardiac performance after infarction in pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1078-H1086.	1.5	40
633	Hyaluronan: A simple polysaccharide with diverse biological functions. Acta Biomaterialia, 2014, 10, 1558-1570.	4.1	490
634	Loss of the hyaluronan receptor RHAMM prevents constrictive artery wall remodeling. Journal of Vascular Surgery, 2014, 59, 804-813.	0.6	9
635	Efficacy and tolerability of a new nasal spray formulation containing hyaluronate and tobramycin in cystic fibrosis patients with bacterial rhinosinusitis. Journal of Cystic Fibrosis, 2014, 13, 455-460.	0.3	26
636	Biomarkers to assess graft quality during conventional and machine preservation in liver transplantation. Journal of Hepatology, 2014, 61, 672-684.	1.8	75
637	Hyaluronan peroxidation is required for normal synovial function: An hypothesis. Medical Hypotheses, 2014, 82, 662-666.	0.8	12
638	Superselective Targeting Using Multivalent Polymers. Journal of the American Chemical Society, 2014, 136, 1722-1725.	6.6	92
639	Rapidly Dissolvable Microneedle Patches for Transdermal Delivery of Exenatide. Pharmaceutical Research, 2014, 31, 3348-3360.	1.7	103
641	Improving the outcomes of biopharmaceutical delivery via the subcutaneous route by understanding the chemical, physical and physiological properties of the subcutaneous injection site. Journal of Controlled Release, 2014, 182, 22-32.	4.8	117
642	Can Viscosupplementation Be Used in the Hip? An Italian Perspective. Orthopedics, 2014, 37, 48-55.	0.5	19

	Сітатіо	n Report	
#	Article	IF	Citations
644	Oral hyaluronan relieves knee pain: a review. Nutrition Journal, 2015, 15, 11.	1.5	48
645	Liver Sinusoidal Endothelial Cells. , 2015, 5, 1751-1774.		204
646	Immunohistochemical Studies of Cytoskeletal and Extracellular Matrix Components in Dogfish <scp><i>S</i></scp> <i>cyliorhinus</i> <scp><i>c</i></scp> <i>anicula</i> L. Notochordal Cells. Anatomical Record, 2015, 298, 1700-1709.	0.8	2
647	Differences in Dynamics between Crosslinked and Nonâ€Crosslinked Hyaluronates Measured by using Fast Fieldâ€Cycling Relaxometry. ChemPhysChem, 2015, 16, 2803-2809.	1.0	19
648	Composition and significance of glycosaminoglycans in the uterus and placenta of mammals. Brazilian Archives of Biology and Technology, 2015, 58, 512-520.	0.5	17
649	Viscoelastic Properties of Hyaluronan in Physiological Conditions. F1000Research, 2015, 4, 622.	0.8	198
650	Wound healing and dressings: the role of RemendTM. The Veterinary Nurse, 2015, 6, 410-416.	0.0	0
651	The Where, When, How, and Why of Hyaluronan Binding by Immune Cells. Frontiers in Immunology, 2015, 6, 150.	2.2	129
652	Interactions between Hyaluronan and Its Receptors (CD44, RHAMM) Regulate the Activities of Inflammation and Cancer. Frontiers in Immunology, 2015, 6, 201.	2.2	602
653	Hyaluronan ââ,¬â€œ A Functional and Structural Sweet Spot in the Tissue Microenvironment. Frontiers in Immunology, 2015, 6, 231.	2.2	130
654	The Content and Size of Hyaluronan in Biological Fluids and Tissues. Frontiers in Immunology, 2015, 6, 261.	2.2	212
655	Lipid Raft-Mediated Regulation of Hyaluronan–CD44 Interactions in Inflammation and Cancer. Frontiers in Immunology, 2015, 6, 420.	2.2	59
656	Efficacy and safety of cross-linked hyaluronic acid single injection on osteoarthritis of the knee: a post-marketing phase IV study. Drug Design, Development and Therapy, 2015, 9, 2063.	2.0	13
657	Articular Joint Lubricants during Osteoarthritis and Rheumatoid Arthritis Display Altered Levels and Molecular Species. PLoS ONE, 2015, 10, e0125192.	1.1	126
658	Intracellular Survival of Leishmania major Depends on Uptake and Degradation of Extracellular Matrix Glycosaminoglycans by Macrophages. PLoS Pathogens, 2015, 11, e1005136.	2.1	34
659	Alterations in the Secretome of Clinically Relevant Preparations of Adipose-Derived Mesenchymal Stem Cells Cocultured with Hyaluronan. Stem Cells International, 2015, 2015, 1-16.	1.2	14
660	Hyaluronan Synthase: The Mechanism of Initiation at the Reducing End and a Pendulum Model for Polysaccharide Translocation to the Cell Exterior. International Journal of Cell Biology, 2015, 2015, 1-15.	1.0	88
661	The Conservative Management of Osteoarthritis $\hat{a} \in "$ Hyaluronic Acid, Platelet Rich Plasma or the Combination?. , 0, , .		4

#	Article	IF	CITATIONS
662	Lack of hyaluronidases exacerbates renal post-ischemic injury, inflammation, and fibrosis. Kidney International, 2015, 88, 61-71.	2.6	37
663	Hyaluronan in nonâ€surgical and surgical periodontal therapy: a systematic review. Journal of Clinical Periodontology, 2015, 42, 236-246.	2.3	57
664	A simple methodology for predicting the performances of hyaluronic acid purification by diafiltration. Journal of Membrane Science, 2015, 490, 152-159.	4.1	13
665	Biology and biotechnology of hyaluronan. Glycoconjugate Journal, 2015, 32, 93-103.	1.4	62
666	Tunable CD44-Specific Cellular Retargeting with Hyaluronic Acid Nanoshells. Pharmaceutical Research, 2015, 32, 1462-1474.	1.7	18
667	The Biochemistry of Endothelial Cells. , 2015, , 375-386.		0
668	Photoreactive interpenetrating network of hyaluronic acid and Puramatrix as a selectively tunable scaffold for neurite growth. Acta Biomaterialia, 2015, 16, 23-34.	4.1	50
670	Group B Streptococcus Evades Host Immunity by Degrading Hyaluronan. Cell Host and Microbe, 2015, 18, 694-704.	5.1	66
671	Glycosaminoglycan functionalization of mechanically and topologically defined collagen I matrices. Journal of Materials Chemistry B, 2015, 3, 8902-8910.	2.9	31
672	Oral administration of hyaluronan prevents skin dryness and epidermal thickening in ultraviolet irradiated hairless mice. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 215-221.	1.7	21
673	Tumor-Associated Hyaluronan Limits Efficacy of Monoclonal Antibody Therapy. Molecular Cancer Therapeutics, 2015, 14, 523-532.	1.9	111
674	Hyaluronidase 1 and hyaluronidase 2 are required for renal hyaluronan turnover. Acta Histochemica, 2015, 117, 83-91.	0.9	10
675	Type, Density, and Presentation of Grafted Adhesion Peptides on Polysaccharide-Based Hydrogels Control Preosteoblast Behavior and Differentiation. Biomacromolecules, 2015, 16, 715-722.	2.6	23
676	Inhibitory effect of chondroitin sulfate oligosaccharides on bovine testicular hyaluronidase. Carbohydrate Polymers, 2015, 121, 362-371.	5.1	21
677	Degradation of hyaluronic acid derived from tilapia eyeballs by a combinatorial method of microwave, hydrogen peroxide, and ascorbic acid. Polymer Degradation and Stability, 2015, 112, 117-121.	2.7	16
678	Oxidation events and skin aging. Ageing Research Reviews, 2015, 21, 16-29.	5.0	614
679	Novel injectable thermosensitive hydrogels for delivering hyaluronic acid–doxorubicin nanocomplexes to locally treat tumors. Nanomedicine, 2015, 10, 1263-1274.	1.7	37
680	Naturalâ€Based Nanocomposites for Bone Tissue Engineering and Regenerative Medicine: A Review. Advanced Materials, 2015, 27, 1143-1169.	11.1	743

#	Article	IF	CITATIONS
681	Surfaceâ€modified silicone <scp>T</scp> â€ŧubes for prevention of tracheal stenosis in a rabbit model. Laryngoscope, 2015, 125, 1465-1471.	1.1	5
682	Application of natural and semi-synthetic polymers for the delivery of sensitive drugs. International Materials Reviews, 2015, 60, 101-131.	9.4	53
683	Use of the polycation polyethyleneimine to improve the physical properties of alginate–hyaluronic acid hydrogel during fabrication of tissue repair scaffolds. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 433-445.	1.9	64
684	A novel in vitro method to model the fate of subcutaneously administered biopharmaceuticals and associated formulation components. Journal of Controlled Release, 2015, 214, 94-102.	4.8	75
685	Evaluation of in-vitro degradation rate of hyaluronic acid-based hydrogel cross-linked with 1, 4-butanediol diglycidyl ether (BDDE) using RP-HPLC and UV–Vis spectroscopy. Journal of Drug Delivery Science and Technology, 2015, 29, 24-30.	1.4	13
686	Extremely strong and tough hydrogels as prospective candidates for tissue repair – A review. European Polymer Journal, 2015, 72, 344-364.	2.6	129
687	Hyaluronan Binding Identifies a Functionally Distinct Alveolar Macrophage–like Population in Bone Marrow–Derived Dendritic Cell Cultures. Journal of Immunology, 2015, 195, 632-642.	0.4	21
688	Integrative functional genetic-epigenetic approach for selecting genes as urine biomarkers for bladder cancer diagnosis. Tumor Biology, 2015, 36, 9545-9552.	0.8	54
689	Nanometer-Thick Hyaluronic Acid Self-Assemblies with Strong Adhesive Properties. ACS Applied Materials & Interfaces, 2015, 7, 15143-15147.	4.0	6
690	Comparison of the effects of sodium hyaluronate-chondroitin sulphate and corticosteroid in the treatment of lateral epicondylitis: a prospective randomized trial. Journal of Orthopaedic Science, 2015, 20, 837-843.	0.5	21
691	High and Low Molecular Weight Hyaluronic Acid Differentially Influence Macrophage Activation. ACS Biomaterials Science and Engineering, 2015, 1, 481-493.	2.6	427
692	Role of Lymphatic System on Snake Venom Absorption. , 2015, , 1-19.		3
693	Development of Injectable Hyaluronic Acid/Cellulose Nanocrystals Bionanocomposite Hydrogels for Tissue Engineering Applications. Bioconjugate Chemistry, 2015, 26, 1571-1581.	1.8	172
694	Preparation and physical properties of hyaluronic acidâ€based cryogels. Journal of Applied Polymer Science, 2015, 132, .	1.3	55
695	Designing multivalent probes for tunable superselective targeting. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5579-5584.	3.3	104
696	Determination of the unsaturated disaccharides of hyaluronic acid in equine synovial fluid by high-performance liquid chromatography and fluorescence detection. Acta Veterinaria Scandinavica, 2015, 57, 12.	0.5	3
697	Molecular evolution of the hyaluronan synthase 2 gene in mammals: implications for adaptations to the subterranean niche and cancer resistance. Biology Letters, 2015, 11, 20150185.	1.0	26
698	Porous Hyaluronic Acid Hydrogels for Localized Nonviral DNA Delivery in a Diabetic Wound Healing Model. Advanced Healthcare Materials, 2015, 4, 1084-1091.	3.9	101

ARTICLE IF CITATIONS Hydration of Hyaluronan: Effects on Structural and Thermodynamic Properties. Journal of Physical 699 1.2 19 Chemistry B, 2015, 119, 4211-4219. CD36, CD44, and CD83 Expression and Putative Functions in Neural Tissues. , 2015, , 27-40. Mechanically strong triple network hydrogels based on hyaluronan and 702 1.2 20 poly(N,N-dimethylacrylamide). Soft Matter, 2015, 11, 8517-8524. Urine biomarkers of schistosomiais and its associated bladder cancer. Expert Review of Anti-Infective Therapy, 2015, 13, 985-993. Hydrogels for 3D Bioprinting Applications., 2015, , 249-270. 704 23 A role for the extracellular matrix component hyaluronan in kidney dysfunction during <scp>ACE</scp>â€inhibitor fetopathy. Acta Physiologica, 2015, 213, 795-804. 1.8 Serum hyaluronic acid concentration predicts the progression of joint space narrowing in normal 706 knees and established knee osteoarthritis – a five year prospective cohort study. Arthritis Research 1.6 36 and Therapy, 2015, 17, 283. Effects of shock wave therapy on glycosaminoglycan expression during bone healing. International Journal of Surgery, 2015, 24, 120-123. 1.1 14 Comparative clinical study between the effect of fenofibrate alone and its combination with 708 pentoxifylline on biochemical parameters and liver stiffness in patients with non-alcoholic fatty liver 1.9 39 disease. Hepatology International, 2015, 9, 471-479. Hyaluronan ameliorates LPS-induced acute lung injury in mice via Toll-like receptor (TLR) 4-dependent 709 1.7 signaling pathways. International Immunopharmacology, 2015, 28, 1050-1058. Carbohydrate nanocarriers in biomedical applications: functionalization and construction. Chemical 710 18.7 196 Society Reviews, 2015, 44, 8301-8325. Dual functional core–sheath electrospun hyaluronic acid/polycaprolactone nanofibrous membranes embedded with silver nanoparticles for prevention of peritendinous adhesion. Acta Biomaterialia, 4.1 108 2015, 26, 225-235. Hyaluronic acid and neural stem cells: implications for biomaterial design. Journal of Materials 712 2.9 50 Chemistry B, 2015, 3, 7850-7866. Hyaluronan modulates TRPV1 channel opening, reducing peripheral nociceptor activity and pain. 5.8 Nature Communications, 2015, 6, 8095 Cellular Interaction and Cytotoxicity of the Iowa Mutation of Apolipoprotein A-I (ApoA-IIowa) Amyloid Mediated by Sulfate Moiéties of Héparan Sulfate. Journal of Biological Chemistry, 2015, 290, 714 1.6 26 24210-24221. Hyaluronan and Its Heavy Chain Modification in Asthma Severity and Experimental Asthma Exacerbation. Journal of Biological Chemistry, 2015, 290, 23124-23134. Enzymatic fragments of hyaluronan inhibit adipocyte differentiation in 3T3-L1 pre-adipocytes. 716 1.0 19 Biochemical and Biophysical Research Communications, 2015, 467, 623-628. Hyaluronan/Ru(<scp>ii</scp>)-cyclodextrin supramolecular assemblies for colorimetric sensor of hyaluronidase activity. RSC Advances, 2015, 5, 99240-99244.

#	Article	IF	CITATIONS
718	Biocompatibility and Efficacy of Collagen/Gelatin Sponge Scaffold With Sustained Release of Basic Fibroblast Growth Factor on Vocal Fold Fibroblasts in 3-Dimensional Culture. Annals of Otology, Rhinology and Laryngology, 2015, 124, 116-125.	0.6	23
719	Viscoelastic and mechanical properties of hyaluronan films and hydrogels modified by carbodiimide. Carbohydrate Polymers, 2015, 119, 142-148.	5.1	25
720	A uni-cortical femoral defect model in the rat: evaluation using injectable hyaluronan hydrogel as a carrier for bone morphogenetic protein-2. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 799-807.	1.3	26
721	Preparation of animal polysaccharides nanofibers by electrospinning and their potential biomedical applications. Journal of Biomedical Materials Research - Part A, 2015, 103, 807-818.	2.1	45
722	Hydrogel Design of Experiments Methodology to Optimize Hydrogel for iPSCâ€NPC Culture. Advanced Healthcare Materials, 2015, 4, 534-539.	3.9	93
723	Systemic biochemical markers of joint metabolism and inflammation in relation to radiographic parameters and pain of the knee: data from CHECK, a cohort of early-osteoarthritis subjects. Osteoarthritis and Cartilage, 2015, 23, 48-56.	0.6	32
724	Precise tailoring of tyramine-based hyaluronan hydrogel properties using DMTMM conjugation. Carbohydrate Polymers, 2015, 115, 325-333.	5.1	65
725	Current trends in biologics delivery to restore intervertebral disc anabolism. Advanced Drug Delivery Reviews, 2015, 84, 146-158.	6.6	118
726	Dimethylnitrosamine (DMN)-induced fibrotic rats: effect of Vernonia amygdalina on extracellular matrix and Hepatic/lysosomal integrity. International Journal of Pharmacology and Toxicology, 2016, 4, 7.	0.2	0
727	The Effect of Sodium Hyaluronate on Ligamentation and Biomechanical Property of Tendon in Repair of Achilles Tendon Defect with Polyethylene Terephthalate Artificial Ligament: A Rabbit Tendon Repair Model. BioMed Research International, 2016, 2016, 1-5.	0.9	12
728	Priming Adipose-Derived Mesenchymal Stem Cells with Hyaluronan Alters Growth Kinetics and Increases Attachment to Articular Cartilage. Stem Cells International, 2016, 2016, 1-13.	1.2	14
729	Phytosome-hyaluronic acid systems for ocular delivery of L-carnosine. International Journal of Nanomedicine, 2016, 11, 2815.	3.3	58
730	Processing Techniques and Applications of Silk Hydrogels in Bioengineering. Journal of Functional Biomaterials, 2016, 7, 26.	1.8	92
731	Effect of Carboxymethylation on the Rheological Properties of Hyaluronan. PLoS ONE, 2016, 11, e0162849.	1.1	7
732	KRAS Mutant Pancreatic Cancer: No Lone Path to an Effective Treatment. Cancers, 2016, 8, 45.	1.7	147
733	Thermal response of a PVCL–HA conjugate. Journal of Polymer Science Part A, 2016, 54, 425-436.	2.5	7
734	Visible light crosslinking of methacrylated hyaluronan hydrogels for injectable tissue repair. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1229-1236.	1.6	58
735	The Effects of a Crosslinked, Modified Hyaluronic Acid (xCMHA‣) Gel on Equine Tendon Healing. Veterinary Surgery, 2016, 45, 231-239.	0.5	6

#	Article	IF	CITATIONS
736	Catch bond interaction allows cells to attach to strongly hydrated interfaces. Biointerphases, 2016, 11, 018905.	0.6	3
737	Absorption of Orally Administered Hyaluronan. Journal of Medicinal Food, 2016, 19, 1172-1179.	0.8	35
738	The direct action of hyaluronic acid on human U-937 and HL-60 cells — modification of native and model membranes. Biologia (Poland), 2016, 71, 1304-1314.	0.8	4
739	Hyaluronidase To Enhance Nanoparticle-Based Photodynamic Tumor Therapy. Nano Letters, 2016, 16, 2512-2521.	4.5	279
740	Hyaluronidase activity in the salivary glands of tabanid flies. Insect Biochemistry and Molecular Biology, 2016, 73, 38-46.	1.2	7
741	Hyaluronan in cancer – from the naked mole rat to nanoparticle therapy. Soft Matter, 2016, 12, 3841-3848.	1.2	30
742	Golgb1 regulates protein glycosylation and is crucial for mammalian palate development. Development (Cambridge), 2016, 143, 2344-55.	1.2	69
743	Hyaluronic acid enhances proliferation of human amniotic mesenchymal stem cells through activation of Wnt/β-catenin signaling pathway. Experimental Cell Research, 2016, 345, 218-229.	1.2	37
744	Adipose extracellular matrix remodelling in obesity and insulin resistance. Biochemical Pharmacology, 2016, 119, 8-16.	2.0	182
745	Bone-marrow mimicking biomaterial niches for studying hematopoietic stem and progenitor cells. Journal of Materials Chemistry B, 2016, 4, 3490-3503.	2.9	31
746	Collagen–hyaluronic acid based interpenetrating polymer networks as tissue engineered heart valve. Materials Science and Technology, 2016, 32, 871-882.	0.8	12
747	Hyaluronan Modulation Impacts Staphylococcus aureus Biofilm Infection. Infection and Immunity, 2016, 84, 1917-1929.	1.0	75
748	Low-molecular-weight polymer–drug conjugates for synergistic anticancer activity of camptothecin and doxorubicin combinations. Nanomedicine, 2016, 11, 1139-1151.	1.7	46
749	A sustained release formulation of novel quininib-hyaluronan microneedles inhibits angiogenesis and retinal vascular permeability in vivo. Journal of Controlled Release, 2016, 233, 198-207.	4.8	25
750	Hyaluronan Hydrogels for a Biomimetic Spongiosa Layer of Tissue Engineered Heart Valve Scaffolds. Biomacromolecules, 2016, 17, 1766-1775.	2.6	37
751	A practical guide to hydrogels for cell culture. Nature Methods, 2016, 13, 405-414.	9.0	1,348
752	Interstitial Pressure in Pancreatic Ductal Adenocarcinoma Is Dominated by a Gel-Fluid Phase. Biophysical Journal, 2016, 110, 2106-2119.	0.2	131
753	From the analysis of pharmacologic vitreolysis to the comprehension of ocriplasmin safety. Expert Opinion on Drug Safety, 2016, 15, 1267-1278.	1.0	6

#	Article	IF	CITATIONS
754	Tissue engineering-based therapeutic strategies for vocal fold repair and regeneration. Biomaterials, 2016, 108, 91-110.	5.7	75
755	Preparation and fracture process of high strength hyaluronic acid hydrogels cross-linked by ethylene glycol diglycidyl ether. Reactive and Functional Polymers, 2016, 109, 42-51.	2.0	31
756	Hyaluronidase and Chondroitinase. Advances in Experimental Medicine and Biology, 2016, 925, 75-87.	0.8	33
757	Hyaluronic Acid and Its Derivatives in Coating and Delivery Systems: Applications in Tissue Engineering, Regenerative Medicine and Immunomodulation. Advanced Healthcare Materials, 2016, 5, 2841-2855.	3.9	162
758	Dressings and topical agents containing hyaluronic acid for chronic wound healing. The Cochrane Library, 0, , .	1.5	6
759	Genetic basis for hyper production of hyaluronic acid in natural and engineered microorganisms. Microbial Cell Factories, 2016, 15, 119.	1.9	86
760	Carbohydrate Polymers: Drug and Gene Delivery. , 2016, , 1319-1333.		1
761	Improving ICSI: A review from the spermatozoon perspective. Systems Biology in Reproductive Medicine, 2016, 62, 359-371.	1.0	47
762	Production and characterization of hyaluronic acid microparticles for the controlled delivery of growth factors using a spray/dehydration method. Journal of Biomaterials Applications, 2016, 31, 693-707.	1.2	15
763	Suppression of Ischemia-Induced Hippocampal Pyramidal Neuron Death by Hyaluronan Tetrasaccharide through Inhibition of Toll-Like Receptor 2 Signaling Pathway. American Journal of Pathology, 2016, 186, 2143-2151.	1.9	12
764	Antibacterial bioadhesive layer-by-layer coatings for orthopedic applications. Journal of Materials Chemistry B, 2016, 4, 5385-5393.	2.9	46
765	Chemical Synthesis of Glycosaminoglycans. Chemical Reviews, 2016, 116, 8193-8255.	23.0	198
766	Homodimerization of the Lymph Vessel Endothelial Receptor LYVE-1 through a Redox-labile Disulfide Is Critical for Hyaluronan Binding in Lymphatic Endothelium. Journal of Biological Chemistry, 2016, 291, 25004-25018.	1.6	28
767	Wound Care: Natural BioPolymer Applications. , 0, , 8245-8257.		1
768	The selective distribution of LYVE-1-expressing endothelial cells and reticular cells in the reticulo-endothelial systemÂ(RES) . Biomedical Research, 2016, 37, 187-198.	0.3	20
769	Biorevitalisation and dermal regeneration: hyaluronic acid and beyond. Journal of Aesthetic Nursing, 2016, 5, 483-487.	0.0	1
770	Construction, Enzyme Response, and Substrate Capacity of a Hyaluronan–Cyclodextrin Supramolecular Assembly. Chemistry - an Asian Journal, 2016, 11, 505-511.	1.7	17
771	Hyaluronic Acid Assays: Turbidimetric or Enzymeâ€Based Immune Assay? A Method Comparison Study. Journal of Clinical Laboratory Analysis, 2016, 30, 524-528.	0.9	3

#	ARTICLE	IF	CITATIONS
772	The pharmacokinetics and dosing of oral 4-methylumbelliferone for inhibition of hyaluronan synthesis in mice. Clinical and Experimental Immunology, 2016, 185, 372-381.	1.1	34
773	Crohn's Disease Fibroblasts Overproduce the Novel Protein KIAA1199 to Create Proinflammatory Hyaluronan Fragments. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 358-368.e4.	2.3	46
774	A pH-sensitive hyaluronic acid prodrug modified with lactoferrin for glioma dual-targeted treatment. Materials Science and Engineering C, 2016, 67, 159-169.	3.8	39
775	Hyaluronic Acid-Based Biocompatible Supramolecular Assembly for Sustained Release of Antiretroviral Drug. Journal of Pharmaceutical Sciences, 2016, 105, 2760-2769.	1.6	6
776	Scaffolds based on hyaluronan and carbon nanotubes gels. Journal of Biomaterials Applications, 2016, 31, 534-543.	1.2	4
777	Scintigraphic evaluation of the osteoblastic activity of rabbit tibial defects after HYAFF11 membrane application. Journal of Orthopaedic Surgery and Research, 2016, 11, 57.	0.9	7
778	Hyaluronidase 2 (HYAL2) is expressed in endothelial cells, as well as some specialized epithelial cells, and is required for normal hyaluronan catabolism. Histochemistry and Cell Biology, 2016, 145, 53-66.	0.8	21
779	Sequential gelation of tyramine-substituted hyaluronic acid hydrogels enhances mechanical integrity and cell viability. Medical and Biological Engineering and Computing, 2016, 54, 1893-1902.	1.6	15
780	Design and manufacture of neural tissue engineering scaffolds using hyaluronic acid and polycaprolactone nanofibers with controlled porosity. Materials Science and Engineering C, 2016, 69, 380-387.	3.8	102
781	Gene expression profiling analysis of ovarian cancer. Oncology Letters, 2016, 12, 405-412.	0.8	9
782	Application of hyaluronic acid/sodium alginate-based microparticles to prevent tissue adhesion in a rabbit model. Surgery Today, 2016, 46, 501-508.	0.7	18
783	Resistance of Amphiphilic Polysaccharides against Marine Fouling Organisms. Biomacromolecules, 2016, 17, 897-904.	2.6	32
784	Comparative Biology of Aging. , 2016, , 305-324.		2
785	Mechanistic and therapeutic overview of glycosaminoglycans: the unsung heroes of biomolecular signaling. Clycoconjugate Journal, 2016, 33, 1-17.	1.4	48
786	Hyaluronan Does Not Regulate Human Epidermal Keratinocyte Proliferation and Differentiation. Journal of Biological Chemistry, 2016, 291, 6347-6358.	1.6	16
787	Biotechnological production of hyaluronic acid: a mini review. 3 Biotech, 2016, 6, 67.	1.1	140
788	Orally administered hyaluronan affects skin dryness and epidermal thickening in photoaged hairless mice. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1192-1195.	0.6	3
789	Human skin penetration of hyaluronic acid of different molecular weights as probed by Raman spectroscopy. Skin Research and Technology, 2016, 22, 55-62.	0.8	123

	Сіта	tion Report	
# 790	ARTICLE Anti-obesity potential of enzymatic fragments of hyaluronan on high-fat diet-induced obesity in C57BL/6 mice. Biochemical and Biophysical Research Communications, 2016, 473, 290-295.	lF 1.0	CITATIONS
791	Intramuscular Autotransplantation of Vitrified Rat Ovary Encapsulated with Hyaluronic Acid Hydrogel. Biopreservation and Biobanking, 2016, 14, 114-121.	0.5	10
792	Hyaluronan: More than just a wrinkle filler. Glycobiology, 2016, 26, 553-559.	1.3	95
793	Hyaluronic acid scaffold has a neuroprotective effect in hemisection spinal cord injury. Journal of Neurosurgery: Spine, 2016, 25, 114-124.	0.9	39
794	Structure of DPPC–hyaluronan interfacial layers – effects of molecular weight and ion composition. Soft Matter, 2016, 12, 729-740.	1.2	36
795	Hydrogels for therapeutic cardiovascular angiogenesis. Advanced Drug Delivery Reviews, 2016, 96, 31-39.	6.6	71
796	PVA-based hydrogels for tissue engineering: A review. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 159-182.	1.8	316
797	Alarmins and Their Receptors as Modulators and Indicators of Alloimmune Responses. American Journal of Transplantation, 2017, 17, 320-327.	2.6	21
798	Adverse reaction after hyaluronan injection for minimally invasive papilla volume augmentation. A report on two cases. Clinical Oral Implants Research, 2017, 28, 871-876.	1.9	16
799	Hydroxyapatite-intertwined hybrid nanofibres for the mineralization of osteoblasts. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1853-1864.	1.3	13
800	Production and characterization of bacterial cellulose membranes with hyaluronic acid from chicken comb. International Journal of Biological Macromolecules, 2017, 97, 642-653.	3.6	96
801	Polysaccharide Treatment Reduces Gastric Ulceration in Active Horses. Journal of Equine Veterinary Science, 2017, 50, 116-120.	0.4	3
802	Inhibition of Mammalian Glycoprotein YKL-40. Journal of Biological Chemistry, 2017, 292, 2624-2636.	1.6	23
803	Hyaluronate and its derivatives for customized biomedical applications. Biomaterials, 2017, 123, 155-17	1. 5.7	139
804	Distribution of uronic acid-containing polysaccharides in 5 species of shellfishes. Carbohydrate Polymers, 2017, 164, 195-199.	5.1	15
805	Alginate hydrogels modified with low molecular weight hyaluronate for cartilage regeneration. Carbohydrate Polymers, 2017, 162, 100-107.	5.1	99
806	Biomanufacturing Seamless Tubular and Hollow Collagen Scaffolds with Unique Design Features and Biomechanical Properties. Advanced Healthcare Materials, 2017, 6, 1601136.	3.9	16
807	Care solution effects on contact lens in vivo wettability. Australasian journal of optometry, The, 2017, 100, 623-632.	0.6	9

#	Article	IF	CITATIONS
808	Fabrication and Characterization of Multicomponent Polysaccharide/Nanohydroxyapatite Composite Scaffolds. Polymer-Plastics Technology and Engineering, 2017, 56, 983-991.	1.9	12
809	An overview of hydrogel-based intra-articular drug delivery for the treatment of osteoarthritis. Colloids and Surfaces B: Biointerfaces, 2017, 154, 33-39.	2.5	95
810	Endogenous inspired biomineral-installed hyaluronan nanoparticles as pH-responsive carrier of methotrexate for rheumatoid arthritis. Journal of Controlled Release, 2017, 252, 62-72.	4.8	76
811	Therapeutic Restoration of Endothelial Glycocalyx in Sepsis. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 115-121.	1.3	73
812	Amphiphilic Polymer Platforms: Surface Engineering of Films for Marine Antibiofouling. Macromolecular Rapid Communications, 2017, 38, 1600704.	2.0	112
813	Hyaluronic acid for post sinus surgery care: systematic review and meta-analysis. Journal of Laryngology and Otology, 2017, 131, S2-S11.	0.4	21
814	Distribution and function of hyaluronan binding protein involved in hyaluronan depolymerization (HYBID, KIAA1199) in the mouse central nervous system. Neuroscience, 2017, 347, 1-10.	1.1	34
815	Cactus cladodes (Opuntia humifusa) extract minimizes the effects of UV irradiation on keratinocytes and hairless mice. Pharmaceutical Biology, 2017, 55, 1032-1040.	1.3	23
816	Revisiting Boronate/Diol Complexation as a Double Stimulus-Responsive Bioconjugation. Bioconjugate Chemistry, 2017, 28, 1391-1402.	1.8	36
817	Biomimetic Proteoglycans Mimic Macromolecular Architecture and Water Uptake of Natural Proteoglycans. Biomacromolecules, 2017, 18, 1713-1723.	2.6	28
818	Protein Expression Level of Skin Wrinkle-Related Factors in Hairless Mice Fed Hyaluronic Acid. Journal of Medicinal Food, 2017, 20, 420-424.	0.8	3
819	Chemical Synthesis of Modified Hyaluronic Acid Disaccharides. Chemistry - A European Journal, 2017, 23, 12283-12296.	1.7	11
820	Hyaluronan-Inorganic Nanohybrid Materials for Biomedical Applications. Biomacromolecules, 2017, 18, 1677-1696.	2.6	66
821	What is special about 200 kDa hyaluronan that activates hyaluronan receptor signaling?. Glycobiology, 2017, 27, 868-877.	1.3	41
823	Glycosaminoglycan-based resorbable polymer composites in tissue refurbishment. Regenerative Medicine, 2017, 12, 431-457.	0.8	22
824	3D Primary Culture Model to Study Human Mammary Development. Methods in Molecular Biology, 2017, 1612, 139-147.	0.4	17
825	A hyaluronidase/temperature dual-responsive supramolecular assembly based on the anionic recognition of calixpyridinium. Chemical Communications, 2017, 53, 7517-7520.	2.2	24
826	Controlling adsorption of albumin with hyaluronan on silica surfaces and sulfonated latex particles. Journal of Colloid and Interface Science, 2017, 504, 315-324.	5.0	5

#	Article	IF	CITATIONS
827	BCG vaccine powder-laden and dissolvable microneedle arrays for lesion-free vaccination. Journal of Controlled Release, 2017, 255, 36-44.	4.8	68
828	Long-acting protein drugs for the treatment of ocular diseases. Nature Communications, 2017, 8, 14837.	5.8	41
829	Potential skin involvement in ALS: revisiting Charcot's observation – a review of skin abnormalities in ALS. Reviews in the Neurosciences, 2017, 28, 551-572.	1.4	16
830	Influence of Cross-Linkers on the <i>in Vitro</i> Chondrogenesis of Mesenchymal Stem Cells in Hyaluronic Acid Hydrogels. ACS Applied Materials & amp; Interfaces, 2017, 9, 3318-3329.	4.0	27
831	Evaluation of a Commercially Available Hyaluronic Acid Hydrogel (Restylane) as Injectable Scaffold for Dental Pulp Regeneration: An InÂVitro Evaluation. Journal of Endodontics, 2017, 43, 257-262.	1.4	50
832	Solubilized Amnion Membrane Hyaluronic Acid Hydrogel Accelerates Full-Thickness Wound Healing. Stem Cells Translational Medicine, 2017, 6, 2020-2032.	1.6	79
833	Surface modification of model hydrogel contact lenses with hyaluronic acid via thiol-ene "click― chemistry for enhancing surface characteristics. Journal of Biomaterials Applications, 2017, 32, 446-462.	1.2	37
834	Effect of sodium hyaluronate/carboxymethyl cellulose (Guardix-sol) on retear rate and postoperative stiffness in arthroscopic rotator cuff repair patients: A prospective cohort study. Journal of Orthopaedic Surgery, 2017, 25, 230949901771890.	0.4	15
835	Effect of topically applied hyaluronic acid on pain and palatal epithelial wound healing: An examinerâ€masked, randomized, controlled clinical trial. Journal of Periodontology, 2018, 89, 36-45.	1.7	53
836	Amelioration of cirrhotic portal hypertension by targeted cyclooxygenase-1 siRNA delivery to liver sinusoidal endothelium with polyethylenimine grafted hyaluronic acid. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2329-2339.	1.7	17
838	Intermediate Molecular Mass Hyaluronan and CD44 Receptor Interactions Enhance Neutrophil Phagocytosis and IL-8 Production via p38- and ERK1/2-MAPK Signalling Pathways. Inflammation, 2017, 40, 1782-1793.	1.7	16
839	Mechanically strong hyaluronic acid hydrogels with an interpenetrating network structure. European Polymer Journal, 2017, 94, 185-195.	2.6	37
840	Colorimetric enzyme-coupled assay for hyaluronic acid determination in complex samples. European Polymer Journal, 2017, 94, 460-470.	2.6	22
841	Conditional knockdown of hyaluronidase 2 in articular cartilage stimulates osteoarthritic progression in a mice model. Scientific Reports, 2017, 7, 7028.	1.6	11
842	Targeted <i>HAS2</i> Expression Lessens Airway Responsiveness in Chronic Murine Allergic Airway Disease. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 702-710.	1.4	5
843	Brain extracellular space, hyaluronan, and the prevention of epileptic seizures. Reviews in the Neurosciences, 2017, 28, 869-892.	1.4	39
844	Ingestion of an Oral Hyaluronan Solution Improves Skin Hydration, Wrinkle Reduction, Elasticity, and Skin Roughness: Results of a Clinical Study. Journal of Evidence-Based Complementary & Alternative Medicine, 2017, 22, 816-823.	1.5	34
845	Design considerations when engineering neural tissue from stem cells. , 2017, , 65-88.		1

#	Article	IF	CITATIONS
846	Robust oil-core nanocapsules with hyaluronate-based shells as promising nanovehicles for lipophilic compounds. Nanoscale, 2017, 9, 18867-18880.	2.8	18
847	Cutibacterium (formerly Propionibacterium) acnes infections associated with implantable devices. Expert Review of Anti-Infective Therapy, 2017, 15, 1083-1094.	2.0	29
848	Immunotherapeutic effect of BCC-polysaccharide nucleic acid powder on <i>Mycobacterium tuberculosis</i> -infected mice using microneedle patches. Drug Delivery, 2017, 24, 1648-1653.	2.5	16
849	Hyaluronic acid conjugation facilitates clearance of intracellular bacterial infections by streptomycin with neglectable nephrotoxicity. Glycobiology, 2017, 27, 861-867.	1.3	18
850	Fabrication of biodegradable textile scaffold based on hydrophobized hyaluronic acid. International Journal of Biological Macromolecules, 2017, 95, 903-909.	3.6	19
851	Hyaluronic acid on collagen membranes: An experimental study in rats. Archives of Oral Biology, 2017, 73, 214-222.	0.8	18
852	Regulation and roles of the hyaluronan system in mammalian reproduction. Reproduction, 2017, 153, R43-R58.	1.1	54
853	Modified High-Molecular-Weight Hyaluronan Promotes Allergen-Specific Immune Tolerance. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 109-120.	1.4	30
854	Intra-articular hyaluronic acid is superior to steroids in knee osteoarthritis: A comparative, randomized study. Journal of Clinical Orthopaedics and Trauma, 2017, 8, 85-88.	0.6	18
855	Protein Extraction and Identification by Gel Electrophoresis and Mass Spectrometry from Edible bird's Nest Samples. Food Analytical Methods, 2017, 10, 387-398.	1.3	14
856	A tunable hydrogel system for longâ€ŧerm release of cellâ€secreted cytokines and bioprinted <i>in situ</i> wound cell delivery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 1986-2000.	1.6	92
857	Comparison of Peritendinous Hyaluronan Injections Versus Extracorporeal Shock Wave Therapy in the Treatment of Painful Achilles' Tendinopathy: A Randomized Clinical Efficacy and Safety Study. Archives of Physical Medicine and Rehabilitation, 2017, 98, 64-71.	0.5	47
858	Effect of two bio polysaccharides on organogenesis of PLBs in <i>Dendrobium kingianum</i> cultured in vitro. Acta Horticulturae, 2017, , 127-132.	0.1	3
859	Managing Wounds with Exposed Bone and Tendon with an Esterified Hyaluronic Acid Matrix (eHAM): A Literature Review and Personal Experience. The Journal of the American College of Clinical Wound Specialists, 2017, 9, 1-9.	0.1	5
860	Investigating the potential benefits of a new artificial tear formulation combining two polymers. Clinical Ophthalmology, 2017, Volume 11, 1637-1642.	0.9	20
861	Driving pressure and mechanical power: new targets for VILI prevention. Annals of Translational Medicine, 2017, 5, 286-286.	0.7	170
862	Effect of a Particulate and a Putty-Like Tricalcium Phosphate-Based Bone-grafting Material on Bone Formation, Volume Stability and Osteogenic Marker Expression after Bilateral Sinus Floor Augmentation in Humans. Journal of Functional Biomaterials, 2017, 8, 31.	1.8	6
863	The Skin Bacterium Propionibacterium acnes Employs Two Variants of Hyaluronate Lyase with Distinct Properties. Microorganisms, 2017, 5, 57.	1.6	45

#	Article	IF	CITATIONS
864	Thymosin α1 Interacts with Hyaluronic Acid Electrostatically by Its Terminal Sequence LKEKK. Molecules, 2017, 22, 1843.	1.7	9
865	Photocurable Bioink for the Inkjet 3D Pharming of Hydrophilic Drugs. Bioengineering, 2017, 4, 11.	1.6	37
866	Thermosensitive Hydrogel Mask Significantly Improves Skin Moisture and Skin Tone; Bilateral Clinical Trial. Cosmetics, 2017, 4, 17.	1.5	22
867	Polysaccharides As Viscosupplementation Agents: Structural Molecular Characteristics but Not Rheology Appear Crucial to the Therapeutic Response. Frontiers in Medicine, 2017, 4, 82.	1.2	12
868	Quantitative Serum Proteomic Analysis of Essential Hypertension Using iTRAQ Technique. BioMed Research International, 2017, 2017, 1-12.	0.9	4
869	Biocompatibility of dental biomaterials. , 2017, , 117-140.		12
870	Hyaluronan and Hyaluronan Fragments. Advances in Carbohydrate Chemistry and Biochemistry, 2017, 74, 1-59.	0.4	59
871	3D bioprinting of methacrylated hyaluronic acid (MeHA) hydrogel with intrinsic osteogenicity. PLoS ONE, 2017, 12, e0177628.	1.1	262
872	Hyaluronic acid is associated with organ dysfunction in acute respiratory distress syndrome. Critical Care, 2017, 21, 304.	2.5	32
	cale, 2017, 21, 504.		
873	Industrial Production of Glycosaminoglycans. , 2017, , .		6
873 874		0.9	6 9
	Industrial Production of Glycosaminoglycans. , 2017, , . The effect of sodium hyaluronate–chondroitin sulfate combined solution on cartilage formation in osteochondral defects of the rabbit knee: an experimental study. Therapeutics and	0.9	
874	Industrial Production of Glycosaminoglycans. , 2017, , . The effect of sodium hyaluronate–chondroitin sulfate combined solution on cartilage formation in osteochondral defects of the rabbit knee: an experimental study. Therapeutics and Clinical Risk Management, 2017, Volume 13, 523-532. Ameliorative Effect of Curcumin-Encapsulated Hyaluronic Acid–PLA Nanoparticles on Thioacetamide-Induced Murine Hepatic Fibrosis. International Journal of Environmental Research and		9
874 875	Industrial Production of Glycosaminoglycans. , 2017, , . The effect of sodium hyaluronate–chondroitin sulfate combined solution on cartilage formation in osteochondral defects of the rabbit knee: an experimental study. Therapeutics and Clinical Risk Management, 2017, Volume 13, 523-532. Ameliorative Effect of Curcumin-Encapsulated Hyaluronic Acid–PLA Nanoparticles on Thioacetamide-Induced Murine Hepatic Fibrosis. International Journal of Environmental Research and Public Health, 2017, 14, 11. Effects of Hyaluronic Acid and Hydroxyapatite/Beta-tricalcium Phosphate in Combination on Bone Regeneration of a Critical-size Defect in an Experimental Model. Journal of Craniofacial Surgery, 2018,	1.2	9 59
874 875 876	Industrial Production of Clycosaminoglycans., 2017, , . The effect of sodium hyaluronate–chondroitin sulfate combined solution on cartilage formation in osteochondral defects of the rabbit knee: an experimental study. Therapeutics and Clinical Risk Management, 2017, Volume 13, 523-532. Ameliorative Effect of Curcumin-Encapsulated Hyaluronic Acid–PLA Nanoparticles on Thioacetamide-Induced Murine Hepatic Fibrosis. International Journal of Environmental Research and Public Health, 2017, 14, 11. Effects of Hyaluronic Acid and Hydroxyapatite/Beta-tricalcium Phosphate in Combination on Bone Regeneration of a Critical-size Defect in an Experimental Model. Journal of Craniofacial Surgery, 2018, 29, 1087-1093. Fragmented hyaluronan has no alarmin function assessed in arthritis synovial fibroblast and	1.2 0.3	9 59 14
874 875 876 877	Industrial Production of Glycosaminoglycans. , 2017, , . The effect of sodium hyaluronate–chondroitin sulfate combined solution on cartilage formation in osteochondral defects of the rabbit knee: an experimental study. Therapeutics and Clinical Risk Management, 2017, Volume 13, 523-532. Ameliorative Effect of Curcumin-Encapsulated Hyaluronic Acid–PLA Nanoparticles on Thioacetamide-Induced Murine Hepatic Fibrosis. International Journal of Environmental Research and Public Health, 2017, 14, 11. Effects of Hyaluronic Acid and Hydroxyapatite/Beta-tricalcium Phosphate in Combination on Bone Regeneration of a Critical-size Defect in an Experimental Model. Journal of Craniofacial Surgery, 2018, 29, 1087-1093. Fragmented hyaluronan has no alarmin function assessed in arthritis synovial fibroblast and chondrocyte cultures. Innate Immunity, 2018, 24, 131-141. Chitosan/hyaluronan/edaravone membranes for anti-inflammatory wound dressing: In vitro and in	1.2 0.3 1.1	9 59 14 16
874 875 876 877 878	Industrial Production of Clycosaminoglycans. , 2017, , . The effect of sodium hyaluronate–chondroitin sulfate combined solution on cartilage formation in osteochondral defects of the rabbit knee: an experimental study. Therapeutics and Clinical Risk Management, 2017, Volume 13, 523-532. Ameliorative Effect of Curcumin-Encapsulated Hyaluronic Acid–PLA Nanoparticles on Thioacetamide-Induced Murine Hepatic Fibrosis. International Journal of Environmental Research and Public Health, 2017, 14, 11. Effects of Hyaluronic Acid and Hydroxyapatite/Beta-tricalcium Phosphate in Combination on Bone Regeneration of a Critical-size Defect in an Experimental Model. Journal of Craniofacial Surgery, 2018, 29, 1087-1093. Fragmented hyaluronan has no alarmin function assessed in arthritis synovial fibroblast and chondrocyte cultures. Innate Immunity, 2018, 24, 131-141. Chitosan/hyaluronan/edaravone membranes for anti-inflammatory wound dressing: In vitro and in vivo evaluation studies. Materials Science and Engineering C, 2018, 90, 227-235.	1.2 0.3 1.1 3.8	 9 59 14 16 100

#	Article	IF	CITATIONS
882	Metabolism and mechanisms of action of hyaluronan in human biology. Drug Metabolism and Personalized Therapy, 2018, 33, 15-32.	0.3	29
883	In vitro model for predicting bioavailability of subcutaneously injected monoclonal antibodies. Journal of Controlled Release, 2018, 273, 13-20.	4.8	52
884	Hyaluronan content governs tissue stiffness in pancreatic islet inflammation. Journal of Biological Chemistry, 2018, 293, 567-578.	1.6	38
885	Hydrazone crosslinked hyaluronan-based hydrogels for therapeutic delivery of adipose stem cells to treat corneal defects. Materials Science and Engineering C, 2018, 85, 68-78.	3.8	48
886	Polysaccharideâ€Based Controlled Release Systems for Therapeutics Delivery and Tissue Engineering: From Bench to Bedside. Advanced Science, 2018, 5, 1700513.	5.6	226
887	A competitive alphascreen assay for detection of hyaluronan. Glycobiology, 2018, 28, 137-147.	1.3	9
888	TGFβ counteracts LYVE-1-mediated induction of lymphangiogenesis by small hyaluronan oligosaccharides. Journal of Molecular Medicine, 2018, 96, 199-209.	1.7	23
889	Phase 1 trials of PEGylated recombinant human hyaluronidase PH20 in patients with advanced solid tumours. British Journal of Cancer, 2018, 118, 153-161.	2.9	51
890	Systems for localized release to mimic paracrine cell communication in vitro. Journal of Controlled Release, 2018, 278, 24-36.	4.8	9
891	Collective adhesion and displacement of retinal progenitor cells upon extracellular matrix substrates of transplantable biomaterials. Journal of Tissue Engineering, 2018, 9, 204173141775128.	2.3	18
892	A novel dressing for the combined delivery of platelet lysate and vancomycin hydrochloride to chronic skin ulcers: Hyaluronic acid particles in alginate matrices. European Journal of Pharmaceutical Sciences, 2018, 118, 87-95.	1.9	30
893	Hyaluronan content and distribution in the rat ventral prostate after castration. Biochemistry and Cell Biology, 2018, 96, 556-563.	0.9	1
894	Evaluation of magnetic nanoparticles influence on hyaluronic acid production from Streptococcus equi. Carbohydrate Polymers, 2018, 192, 135-142.	5.1	14
895	Label-free analysis of physiological hyaluronan size distribution with a solid-state nanopore sensor. Nature Communications, 2018, 9, 1037.	5.8	73
896	Medical application of glycosaminoglycans: a review. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e23-e41.	1.3	165
897	Influence of scaffold design on 3 <scp>D</scp> printed cell constructs. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 533-545.	1.6	63
898	Endothelial glycocalyx—the battleground for complications of sepsis and kidney injury. Nephrology Dialysis Transplantation, 2018, 33, 203-211.	0.4	29
899	The promise of marine molecules as cosmetic active ingredients. International Journal of Cosmetic Science, 2018, 40, 1-15.	1.2	57

#	Article	IF	CITATIONS
900	Biomarkers of hand osteoarthritis. Rheumatology International, 2018, 38, 725-735.	1.5	14
901	Combinational siRNA delivery using hyaluronic acid modified amphiphilic polyplexes against cell cycle and phosphatase proteins to inhibit growth and migration of triple-negative breast cancer cells. Acta Biomaterialia, 2018, 66, 294-309.	4.1	31
902	Sugar-based gene delivery systems: Current knowledge and new perspectives. Carbohydrate Polymers, 2018, 181, 1180-1193.	5.1	35
903	The Rejuvenating Effect and Tolerability of an Auto-Cross-Linked Hyaluronic Acid on Décolletage: A Pilot Prospective Study. Aesthetic Plastic Surgery, 2018, 42, 520-529.	0.5	3
904	Self-assembled thermoresponsive nanostructures of hyaluronic acid conjugates for osteoarthritis therapy. Nanoscale, 2018, 10, 1845-1854.	2.8	64
905	Bonding ability of self-adhesive resin-cements after dentin biomodification with hyaluronic acid. Journal of Adhesion Science and Technology, 2018, 32, 1033-1043.	1.4	2
906	Hyaluronan in experimental injured/inflamed cartilage: In vivo studies. Life Sciences, 2018, 193, 132-140.	2.0	21
908	Hyaluronan in the experimental injury of the cartilage: biochemical action and protective effects. Inflammation Research, 2018, 67, 5-20.	1.6	30
909	Photocurable Bioinks for the 3D Pharming of Combination Therapies. Polymers, 2018, 10, 1372.	2.0	23
910	Hyaluronic acid hydrogel scaffolds loaded with cationic niosomes for efficient non-viral gene delivery. RSC Advances, 2018, 8, 31934-31942.	1.7	29
912	Oral Intake of Collagen Peptide Attenuates Ultraviolet B Irradiation-Induced Skin Dehydration In Vivo by Regulating Hyaluronic Acid Synthesis. International Journal of Molecular Sciences, 2018, 19, 3551.	1.8	46
913	A review on biocompatibility nature of hydrogels with 3D printing techniques, tissue engineering application and its future prospective. Bio-Design and Manufacturing, 2018, 1, 265-279.	3.9	95
914	Hyaluronic Acid Is a Biomarker for Allograft Dysfunction and Predicts 1-Year Graft Loss After Liver Transplantation. Transplantation Proceedings, 2018, 50, 3635-3643.	0.3	8
915	Hyaluronan and Its Interactions With Immune Cells in the Healthy and Inflamed Lung. Frontiers in Immunology, 2018, 9, 2787.	2.2	69
916	Hyaluronan arrests human breast cancer cell growth by prolonging the G0/G1 phase of the cell cycle. Acta Biochimica Et Biophysica Sinica, 2018, 50, 1181-1189.	0.9	8
917	Higher titer hyaluronic acid production in recombinant <i>Lactococcus lactis</i> . Preparative Biochemistry and Biotechnology, 2018, 48, 734-742.	1.0	24
918	Assessment of the subcutaneous degradation process of insoluble hyaluronic acid in rats. Biochemical and Biophysical Research Communications, 2018, 505, 511-515.	1.0	3
919	Hyaluronic acid, a promising skin rejuvenating biomedicine: A review of recent updates and pre-clinical and clinical investigations on cosmetic and nutricosmetic effects. International Journal of Biological Macromolecules, 2018, 120, 1682-1695.	3.6	261

#	Article	IF	CITATIONS
920	Multivalent and multifunctional polysaccharide-based particles for controlled receptor recognition. Scientific Reports, 2018, 8, 14730.	1.6	34
921	Extracellular Influences: Molecular Subclasses and the Microenvironment in Pancreatic Cancer. Cancers, 2018, 10, 34.	1.7	35
922	Medical Applications of Collagen and Hyaluronan in Regenerative Medicine. Advances in Experimental Medicine and Biology, 2018, 1077, 285-306.	0.8	7
923	Unveiling the Extracellular Space of the Brain: From Super-resolved Microstructure to <i>In Vivo</i> Function. Journal of Neuroscience, 2018, 38, 9355-9363.	1.7	79
924	Additive Polyplexes to Undertake siRNA Therapy against CDC20 and Survivin in Breast Cancer Cells. Biomacromolecules, 2018, 19, 4193-4206.	2.6	23
925	Challenges in Fabrication of Tissue-Engineered Cartilage with Correct Cellular Colonization and Extracellular Matrix Assembly. International Journal of Molecular Sciences, 2018, 19, 2700.	1.8	32
926	Targeted deletion of HYBID (hyaluronan binding protein involved in hyaluronan depolymerization/) Tj ETQq0 0 0 i accumulation. Biochemical and Biophysical Research Communications, 2018, 503, 1934-1940.	rgBT /Over 1.0	lock 10 Tf 50 24
927	Self-Healing and Adhesive Artificial Tissue Implant for Voice Recovery. ACS Applied Bio Materials, 2018, 1, 1134-1146.	2.3	19
928	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. Chemical Reviews, 2018, 118, 9152-9232.	23.0	253
929	The Extracellular Matrix and Pancreatic Cancer: A Complex Relationship. Cancers, 2018, 10, 316.	1.7	208
930	Improving the Mechanical Rigidity of Hyaluronic Acid by Integration of a Supramolecular Peptide Matrix. ACS Applied Materials & Interfaces, 2018, 10, 41883-41891.	4.0	65
931	Biochemistry, Physiology, and Tissue Interactions of Contemporary Biodegradable Injectable Dermal Fillers. Dermatologic Surgery, 2018, 44, S19-S31.	0.4	37
932	Targeted Drug Delivery in the Suprachoroidal Space by Swollen Hydrogel Pushing. , 2018, 59, 2069.		33
933	Innovative Strategien für die photodynamische Therapie hypoxischer Tumore. Angewandte Chemie, 2018, 130, 11694-11704.	1.6	90
934	Innovative Strategies for Hypoxic‶umor Photodynamic Therapy. Angewandte Chemie - International Edition, 2018, 57, 11522-11531.	7.2	849
935	Design and development of novel hyaluronate-modified nanoparticles for combo-delivery of curcumin and alendronate: fabrication, characterization, and cellular and molecular evidences of enhanced bone regeneration. International Journal of Biological Macromolecules, 2018, 116, 1268-1281.	3.6	58
936	Hyaluronic acid, an efficient biomacromolecule for treatment of inflammatory skin and joint diseases: A review of recent developments and critical appraisal of preclinical and clinical investigations. International Journal of Biological Macromolecules, 2018, 116, 572-584.	3.6	75
937	Therapeutic neovascularization promoted by injectable hydrogels. Bioactive Materials, 2018, 3, 389-400.	8.6	37

#	Article	IF	CITATIONS
938	Evaluation of the In Vivo Kinetics and Biostimulatory Effects of Subcutaneously Injected Hyaluronic Acid Filler. Plastic and Reconstructive Surgery, 2018, 142, 112-121.	0.7	30
939	Enhancement of Ag85B DNA vaccine immunogenicity against tuberculosis by dissolving microneedles in mice. Vaccine, 2018, 36, 4471-4476.	1.7	25
940	Polymeric gels for cartilage tissue engineering. , 2018, , 505-525.		3
941	Biomimetic tumor microenvironments based on collagen matrices. Biomaterials Science, 2018, 6, 2009-2024.	2.6	63
942	In Vitro Evaluation of the Sensitivity of a Hyaluronic Acid PEG Cross-Linked to Bovine Testes Hyaluronidase. Open Access Macedonian Journal of Medical Sciences, 2018, 6, 20-24.	0.1	12
943	Therapies Targeting the Tumor Stroma and the VEGF/VEGFR Axis in Pancreatic Ductal Adenocarcinoma: a Systematic Review and Meta-Analysis. Targeted Oncology, 2018, 13, 447-459.	1.7	13
944	Extracellular Matrix Components HAPLN1, Lumican, and Collagen I Cause Hyaluronic Acid-Dependent Folding of the Developing Human Neocortex. Neuron, 2018, 99, 702-719.e6.	3.8	139
945	Hyaluronic acid in dermatomyositis and polymyositis: relationship with disease and cutaneous lesions. Anais Brasileiros De Dermatologia, 2018, 93, 72-75.	0.5	6
946	Electrospun mucosal wound dressings containing styptics for bleeding control. Materials Science and Engineering C, 2018, 93, 419-428.	3.8	12
947	Cancer hallmarks and malignancy features: Gateway for improved targeted drug delivery. Biotechnology Advances, 2018, 36, 1928-1945.	6.0	35
948	Modelling hyaluronan degradation by streptococcus pneumoniae hyaluronate lyase. Mathematical Biosciences, 2018, 303, 126-138.	0.9	8
949	Cancer Targeting and Drug Delivery Using Carbon-Based Quantum Dots and Nanotubes. Molecules, 2018, 23, 378.	1.7	173
950	Pursuing Intracellular Pathogens with Hyaluronan. From a â€~Pro-Infection' Polymer to a Biomaterial for â€~Trojan Horse' Systems. Molecules, 2018, 23, 939.	1.7	14
951	Thiolated Hyaluronic Acid as Versatile Mucoadhesive Polymer: From the Chemistry Behind to Product Developments—What Are the Capabilities?. Polymers, 2018, 10, 243.	2.0	53
952	Hyaluronic Acid in the Third Millennium. Polymers, 2018, 10, 701.	2.0	430
953	Non-invasive tri-modal visualisation via PET/SPECT/μCT of recombinant human bone morphogenetic protein-2 retention and associated bone regeneration: A proof of concept. Journal of Controlled Release, 2018, 285, 178-186.	4.8	15
954	Hyaluronic Acid–Methotrexate Conjugates Coated Magnetic Polydopamine Nanoparticles for Multimodal Imaging-Guided Multistage Targeted Chemo-Photothermal Therapy. Molecular Pharmaceutics, 2018, 15, 4049-4062.	2.3	43
955	CD44-mediated hyaluronan binding marks proliferating hematopoietic progenitor cells and promotes bone marrow engraftment. PLoS ONE, 2018, 13, e0196011.	1.1	12

#	Article	IF	CITATIONS
956	Large-Volume Crystalloid Fluid Is Associated with Increased Hyaluronan Shedding and Inflammation in a Canine Hemorrhagic Shock Model. Inflammation, 2018, 41, 1515-1523.	1.7	42
957	Electrochemiluminescence biosensor for hyaluronidase activity detection and inhibitor assay based on the electrostatic interaction between hyaluronic acid and Ru(bpy)32+. Sensors and Actuators B: Chemical, 2018, 275, 409-414.	4.0	18
958	Infrared Spectroscopic Quantification of Methacrylation of Hyaluronic Acid: A Scaffold for Tissue Engineering Applications. Applied Spectroscopy, 2018, 72, 1455-1466.	1.2	14
959	Hyaluronic acid is present on specific perineuronal nets in the mouse cerebral cortex. Brain Research, 2018, 1698, 139-150.	1.1	5
960	Repair of Damaged Articular Cartilage: Current Approaches and Future Directions. International Journal of Molecular Sciences, 2018, 19, 2366.	1.8	179
961	A synthetic polymeric biolubricant imparts chondroprotection in a rat meniscal tear model. Biomaterials, 2018, 182, 13-20.	5.7	22
962	The Perineuronal â€~Safety' Net? Perineuronal Net Abnormalities in Neurological Disorders. Frontiers in Molecular Neuroscience, 2018, 11, 270.	1.4	125
963	Enzymatic dehairing: A comprehensive review on the mechanistic aspects with emphasis on enzyme specificity. International Journal of Biological Macromolecules, 2018, 118, 168-179.	3.6	26
964	Adipose Tissue. , 2019, , 370-384.		2
965	Re-epithelialization of adult skin wounds: Cellular mechanisms and therapeutic strategies. Advanced Drug Delivery Reviews, 2019, 146, 344-365.	6.6	301
966	Hyaluronic acid, CD44 and RHAMM regulate myoblast behavior during embryogenesis. Matrix Biology, 2019, 78-79, 236-254.	1.5	44
967	The Primo Vascular System as a Possible Exosomal Route Across the Body: Implications for Tumor Proliferation and Metastasis. JAMS Journal of Acupuncture and Meridian Studies, 2019, 12, 25-28.	0.3	2
968	Employing a glutathione-s-transferase-tag and hyaluronidase to control cytokine retention and release from a hyaluronic acid hydrogel matrix. Journal of Biomaterials Applications, 2019, 34, 631-639.	1.2	4
969	Strategies for Hyaluronic Acid-Based Hydrogel Design in Drug Delivery. Pharmaceutics, 2019, 11, 407.	2.0	177
970	The effect of hyaluronic acid hydrogels on dental pulp stem cells behavior. International Journal of Biological Macromolecules, 2019, 140, 245-254.	3.6	61
971	Ligand Binding and Signaling of HARE/Stabilin-2. Biomolecules, 2019, 9, 273.	1.8	21
972	Electrospun Bilayer Chitosan/Hyaluronan Material and Its Compatibility with Mesenchymal Stem Cells. Materials, 2019, 12, 2016.	1.3	41
973	Hyaluronic Acid: The Reason for Its Variety of Physiological and Biochemical Functional Properties. Applied Clinical Research Clinical Trials and Regulatory Affairs, 2019, 6, 112-159.	0.4	9

#	Article	IF	Citations
974	Scaffolds for bioengineered uterus. , 2019, , 283-316.		1
975	Hyaluronic acid as adjunctive to non-surgical and surgical periodontal therapy: a systematic review and meta-analysis. Clinical Oral Investigations, 2019, 23, 3423-3435.	1.4	60
976	Tumor Targeting Strategies of Smart Fluorescent Nanoparticles and Their Applications in Cancer Diagnosis and Treatment. Advanced Materials, 2019, 31, e1902409.	11.1	173
977	Remodeling the Tumor Microenvironment Sensitizes Breast Tumors to Anti-Programmed Death-Ligand 1 Immunotherapy. Cancer Research, 2019, 79, 4149-4159.	0.4	44
978	Hyaluronic Acid-Coated Nanomedicine for Targeted Cancer Therapy. Pharmaceutics, 2019, 11, 301.	2.0	107
979	Hyaluronan: Structure, Metabolism, and Biological Properties. Biologically-inspired Systems, 2019, , 155-186.	0.4	3
980	Interactions of a short hyaluronan chain with a phospholipid membrane. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110539.	2.5	15
981	Hyaluronan as tunable drug delivery system. Advanced Drug Delivery Reviews, 2019, 146, 83-96.	6.6	71
982	Recent Advances in Polymeric Nanocomposites of Metal-Organic Frameworks (MOFs). Polymers, 2019, 11, 1627.	2.0	22
983	Hyaluronic acid-induced diffuse alveolar hemorrhage: unknown complication induced by a well-known injectable agent. Annals of Translational Medicine, 2019, 7, 13-13.	0.7	20
984	Removal of interstitial hyaluronan with recombinant human hyaluronidase improves the systemic and lymphatic uptake of cetuximab in rats. Journal of Controlled Release, 2019, 315, 85-96.	4.8	10
985	Discovery of the Liver Hyaluronan Receptor for Endocytosis (HARE) and Its Progressive Emergence as the Multi-Ligand Scavenger Receptor Stabilin-2. Biomolecules, 2019, 9, 454.	1.8	11
987	TGFβ/BMP Signaling Pathway in Cartilage Homeostasis. Cells, 2019, 8, 969.	1.8	156
988	Application of FTMS to the analysis of glycosaminoglycans. , 2019, , 623-649.		3
989	High levels of serum hyaluronan is an early predictor of dengue warning signs and perturbs vascular integrity. EBioMedicine, 2019, 48, 425-441.	2.7	29
990	3D Bioprinting of the Sustained Drug Release Wound Dressing with Double-Crosslinked Hyaluronic-Acid-Based Hydrogels. Polymers, 2019, 11, 1584.	2.0	55
991	Hyaluronic Acid: Incorporating the Bio into the Material. ACS Biomaterials Science and Engineering, 2019, 5, 3753-3765.	2.6	103
992	Roles of hyaluronan in cardiovascular and nervous system disorders. Journal of Zhejiang University: Science B, 2019, 20, 428-436.	1.3	12

#	Article	IF	CITATIONS
993	Hyaluronic acid and chitosan-based nanosystems: a new dressing generation for wound care. Expert Opinion on Drug Delivery, 2019, 16, 715-740.	2.4	74
994	Hyaluronic acid behavior in oral administration and perspectives for nanotechnology-based formulations: A review. Carbohydrate Polymers, 2019, 222, 115001.	5.1	34
995	Substrate recognition by bacterial solute-binding protein is responsible for import of extracellular hyaluronan and chondroitin sulfate from the animal host. Bioscience, Biotechnology and Biochemistry, 2019, 83, 1946-1954.	0.6	4
996	Hyaluronic Acid as an Emerging Technology Platform for Silencing RNA Delivery. , 2019, , 415-458.		3
997	Non-Invasive Monitoring of Stromal Biophysics with Targeted Depletion of Hyaluronan in Pancreatic Ductal Adenocarcinoma. Cancers, 2019, 11, 772.	1.7	18
998	The obstacle course to the inner retina: Hyaluronic acid-coated lipoplexes cross the vitreous but fail to overcome the inner limiting membrane. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 141, 161-171.	2.0	15
999	Hyaluronic Acid: Molecular Mechanisms and Therapeutic Trajectory. Frontiers in Veterinary Science, 2019, 6, 192.	0.9	395
1000	Hyaluronic acid slows down collagen membrane degradation in uncontrolled diabetic rats. Journal of Periodontal Research, 2019, 54, 644-652.	1.4	19
1001	Hyaluronidase with pHâ€responsive Dextran Modification as an Adjuvant Nanomedicine for Enhanced Photodynamicâ€Immunotherapy of Cancer. Advanced Functional Materials, 2019, 29, 1902440.	7.8	156
1002	Hyaluronic acid for advanced therapies: Promises and challenges. European Polymer Journal, 2019, 117, 134-147.	2.6	52
1003	The metabolic characteristics of susceptibility to wooden breast disease in chickens with high feed efficiency. Poultry Science, 2019, 98, 3246-3256.	1.5	48
1004	Antibacterial free-standing polysaccharide composite films inspired by the sea. International Journal of Biological Macromolecules, 2019, 133, 933-944.	3.6	19
1005	The material properties of naked mole-rat hyaluronan. Scientific Reports, 2019, 9, 6632.	1.6	19
1006	Stimuli-responsive materials in additive manufacturing. Progress in Polymer Science, 2019, 93, 36-67.	11.8	148
1007	Method for Studying ECM Expression: In Situ RT-PCR. Methods in Molecular Biology, 2019, 1952, 21-31.	0.4	0
1008	Investigating the effect of proteoglycan 4 on hyaluronan solution properties using confocal fluorescence recovery after photobleaching. BMC Musculoskeletal Disorders, 2019, 20, 93.	0.8	3
1009	Interventional radiology techniques for pain reduction and mobility improvement in patients with knee osteoarthritis. Diagnostic and Interventional Imaging, 2019, 100, 391-400.	1.8	21
1010	Effect of calcium ions and pH on the morphology and mechanical properties of hyaluronan brushes. Interface Focus, 2019, 9, 20180061.	1.5	13

#	Article	IF	CITATIONS
1011	Retinal-detachment repair and vitreous-like-body reformation via a thermogelling polymer endotamponade. Nature Biomedical Engineering, 2019, 3, 598-610.	11.6	84
1012	Double-blind, randomised controlled trial on the efficacy of saline nasal irrigation with sodium hyaluronate after endoscopic sinus surgery. Journal of Laryngology and Otology, 2019, 133, 300-308.	0.4	16
1013	4-Methylumbelliferyl glucuronide contributes to hyaluronan synthesis inhibition. Journal of Biological Chemistry, 2019, 294, 7864-7877.	1.6	40
1014	Quantitative characterization of viscoelastic properties of synovial fluid from forelimb joints of orthopedically normal Thoroughbreds and warmblood horses. American Journal of Veterinary Research, 2019, 80, 342-346.	0.3	1
1015	Mimicking the endothelial glycocalyx through the supramolecular presentation of hyaluronan on patterned surfaces. Faraday Discussions, 2019, 219, 168-182.	1.6	13
1016	Targeting drug delivery within the suprachoroidal space. Drug Discovery Today, 2019, 24, 1654-1659.	3.2	24
1017	Current Concepts in Assessment and Management of Spasticity. , 2019, , 133-153.		2
1018	Hyaluronic Acid–Based Activatable Nanomaterials for Stimuliâ€Responsive Imaging and Therapeutics: Beyond CD44â€Mediated Drug Delivery. Advanced Materials, 2019, 31, e1803549.	11.1	188
1019	Biodegradable Hyaluronic Acid Modified with Tetraglycine- <scp>l</scp> -octaarginine as a Safe Adjuvant for Mucosal Vaccination. Molecular Pharmaceutics, 2019, 16, 1105-1118.	2.3	18
1020	Key Factors for A One-Pot Enzyme Cascade Synthesis of High Molecular Weight Hyaluronic Acid. International Journal of Molecular Sciences, 2019, 20, 5664.	1.8	15
1021	The Role of Endogenous Antioxidants in the Treatment of Experimental Arthritis. , 2019, , .		2
1022	Enhanced <i>in vitro</i> efficacy for inhibiting hypertrophic scar by bleomycin-loaded dissolving hyaluronic acid microneedles. Journal of Materials Chemistry B, 2019, 7, 6604-6611.	2.9	33
1023	Role of HYBID (Hyaluronan Binding Protein Involved in Hyaluronan Depolymerization), Alias KIAA1199/CEMIP, in Hyaluronan Degradation in Normal and Photoaged Skin. International Journal of Molecular Sciences, 2019, 20, 5804.	1.8	27
1024	Self-regenerating giant hyaluronan polymer brushes. Nature Communications, 2019, 10, 5527.	5.8	16
1025	Discussion. Plastic and Reconstructive Surgery, 2019, 144, 321-324.	0.7	9
1026	The Use of Botulinum Toxin for Treatment of Spasticity. Handbook of Experimental Pharmacology, 2019, 263, 127-146.	0.9	16
1027	Sealing hyaluronic acid microgels with oppositely-charged polypeptides: A simple strategy for packaging hydrophilic drugs with on-demand release. Journal of Colloid and Interface Science, 2019, 535, 16-27.	5.0	16
1028	Super Mechanical Stimuli Responsive Hydrogel: Dynamic Cues for Cell Applications. ACS Applied Bio Materials, 2019, 2, 277-283.	2.3	12

#	Article	IF	CITATIONS
1029	Methods for producing microstructured hydrogels for targeted applications in biology. Acta Biomaterialia, 2019, 84, 34-48.	4.1	31
1030	LC–MS/MS study of in vivo fate of hyaluronan polymeric micelles carrying doxorubicin. Carbohydrate Polymers, 2019, 209, 181-189.	5.1	22
1031	Mechanically robust and stretchable silk/hyaluronic acid hydrogels. Carbohydrate Polymers, 2019, 208, 413-420.	5.1	54
1032	Experimental myofascial trigger point creation in rodents. Journal of Applied Physiology, 2019, 126, 160-169.	1.2	27
1033	Polyvinylpyrrolidone/hyaluronic acid-based bilayer constructs for sequential delivery of cutaneous antiseptic and antibiotic. Chemical Engineering Journal, 2019, 358, 912-923.	6.6	50
1034	Natural hydrogels for cartilage regeneration: Modification, preparationÂand application. Journal of Orthopaedic Translation, 2019, 17, 26-41.	1.9	94
1035	Impact of a Hyaluronic Acid-Grafted Layer on the Surface Properties of Model Silicone Hydrogel Contact Lenses. Langmuir, 2019, 35, 950-961.	1.6	33
1036	Novel Metabolic Pathways and Regulons for Hexuronate Utilization in Proteobacteria. Journal of Bacteriology, 2019, 201, .	1.0	19
1037	Therapeutic strategies for enhancing angiogenesis in wound healing. Advanced Drug Delivery Reviews, 2019, 146, 97-125.	6.6	448
1038	Regulation of hyaluronan biosynthesis and clinical impact of excessive hyaluronan production. Matrix Biology, 2019, 78-79, 100-117.	1.5	85
1039	Topical hyaluronan alone promotes corneal epithelial cell migration whereas combination with benzalkonium chloride impairs epithelial wound healing. Cutaneous and Ocular Toxicology, 2020, 39, 13-20.	0.5	4
1040	Tunable methacrylated hyaluronic acidâ€based hydrogels as scaffolds for soft tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2020, 108, 279-291.	2.1	97
1041	Macroporous methacrylated hyaluronic acid cryogels of high mechanical strength and flow-dependent viscoelasticity. Carbohydrate Polymers, 2020, 229, 115458.	5.1	18
1042	Death Caused by Vaginal Injection of Hyaluronic Acid and Collagen: A Case Report. Aesthetic Surgery Journal, 2020, 40, NP263-NP268.	0.9	19
1043	Hyaluronic acid: A review on its biology, aspects of drug delivery, route of administrations and a special emphasis on its approved marketed products and recent clinical studies. International Journal of Biological Macromolecules, 2020, 151, 1012-1029.	3.6	215
1044	Intrathoracic retention of insoluble hyaluronic acid and its absorption process in rats. International Journal of Artificial Organs, 2020, 43, 283-287.	0.7	0
1045	The transcriptional correlates of divergent electric organ discharges in Paramormyrops electric fish. BMC Evolutionary Biology, 2020, 20, 6.	3.2	6
1046	Universal surface modification using dopamine-hyaluronic acid conjugates for anti-biofouling. International Journal of Biological Macromolecules, 2020, 151, 1314-1321.	3.6	29

#	Article	IF	CITATIONS
1047	Tissue-specific Fixation Methods Are Required for Optimal In Situ Visualization of Hyaluronan in the Ovary, Kidney, and Liver. Journal of Histochemistry and Cytochemistry, 2020, 68, 75-91.	1.3	20
1048	In Vivo Stability of Therapeutic Proteins. Pharmaceutical Research, 2020, 37, 23.	1.7	50
1049	Polysaccharides for protein and peptide conjugation. , 2020, , 421-453.		6
1050	The role of estrogen in intervertebral disc degeneration. Steroids, 2020, 154, 108549.	0.8	20
1051	Polymeric scaffolds for dental pulp tissue engineering: A review. Dental Materials, 2020, 36, e47-e58.	1.6	65
1052	Hyaluronic Acid Nanoparticles as Nanomedicine for Treatment of Inflammatory Diseases. Pharmaceutics, 2020, 12, 931.	2.0	38
1053	Material properties of disulfide-crosslinked hyaluronic acid hydrogels influence prostate cancer cell growth and metabolism. Journal of Materials Chemistry B, 2020, 8, 9718-9733.	2.9	8
1054	Combined Transplantation of Mesenchymal Stem Cells and Endothelial Colony-Forming Cells Accelerates Refractory Diabetic Foot Ulcer Healing. Stem Cells International, 2020, 2020, 1-13.	1.2	20
1055	The chemical properties and hygroscopic activity of the exopolysaccharide lubcan from Paenibacillus sp. ZX1905. International Journal of Biological Macromolecules, 2020, 164, 2641-2650.	3.6	13
1056	Early Outcome of a Single Peri-Tendinous Hyaluronic Acid Injection for Mid-Portion Non-Insertional Achilles Tendinopathy - A Pilot Study. Foot, 2020, 49, 101738.	0.4	5
1057	Guiding Lights: Tissue Bioprinting Using Photoactivated Materials. Chemical Reviews, 2020, 120, 10950-11027.	23.0	120
1058	Polysaccharide Multilayer Films in Sensors for Detecting Prostate Tumor Cells Based on Hyaluronan-CD44 Interactions. Cells, 2020, 9, 1563.	1.8	17
1059	Addition of High Molecular Weight Hyaluronic Acid to Fibroblast-Like Stromal Cells Modulates Endogenous Hyaluronic Acid Metabolism and Enhances Proteolytic Processing and Secretion of Versican. Cells, 2020, 9, 1681.	1.8	6
1060	Relaxation and diffusion of water protons in BDDE cross-linked hyaluronic acid hydrogels investigated by NMR spectroscopy—Comparison with physicochemical properties. Carbohydrate Polymers, 2020, 248, 116768.	5.1	7
1061	Short-Term Effect of a New Oral Sodium Hyaluronate Formulation on Knee Osteoarthritis: A Double-Blind, Randomized, Placebo-Controlled Clinical Trial. Diseases (Basel, Switzerland), 2020, 8, 26.	1.0	4
1062	Hyaluronic acid and its biomedical applications: A review. Engineered Regeneration, 2020, 1, 102-113.	3.0	122
1063	The Labeling, Visualization, and Quantification of Hyaluronan Distribution in Tumor-Bearing Mouse Using PET and MR Imaging. Pharmaceutical Research, 2020, 37, 237.	1.7	0
1064	Reprofiling of approved drugs against SARS-CoV-2 main protease: an in-silico study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3170-3184.	2.0	20

#	Article	IF	CITATIONS
1065	Transfer of orally administered hyaluronan to the lymph. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 154, 210-213.	2.0	8
1066	Role of membrane proteins in bacterial synthesis of hyaluronic acid and their potential in industrial production. International Journal of Biological Macromolecules, 2020, 164, 1916-1926.	3.6	11
1067	Distribution and Function of Glycosaminoglycans and Proteoglycans in the Development, Homeostasis and Pathology of the Ocular Surface. Frontiers in Cell and Developmental Biology, 2020, 8, 731.	1.8	35
1068	Injectable hydrogel-based drug delivery system for cartilage regeneration. Materials Science and Engineering C, 2020, 110, 110702.	3.8	31
1069	Why Chain Length of Hyaluronan in Eye Drops Matters. Diagnostics, 2020, 10, 511.	1.3	17
1070	DoE-Assisted Development of a Novel Glycosaminoglycan-Based Injectable Formulation for Viscosupplementation. Pharmaceutics, 2020, 12, 681.	2.0	2
1071	Hyaluronic Acid: Redefining Its Role. Cells, 2020, 9, 1743.	1.8	208
1072	High molecular weight Intraarticular hyaluronic acid for the treatment of knee osteoarthritis: a network meta-analysis. BMC Musculoskeletal Disorders, 2020, 21, 702.	0.8	25
1073	Water-Based Extraction of Bioactive Principles from Blackcurrant Leaves and Chrysanthellum americanum: A Comparative Study. Foods, 2020, 9, 1478.	1.9	14
1074	Hyaluronan-carnosine conjugates inhibit Aβ aggregation and toxicity. Scientific Reports, 2020, 10, 15998.	1.6	17
1075	Injectables and Depots to Prolong Drug Action of Proteins and Peptides. Pharmaceutics, 2020, 12, 999.	2.0	32
1076	Hyaluronate supports hESCâ€eardiomyocyte cell therapy for cardiac regeneration after acute myocardial infarction. Cell Proliferation, 2020, 53, e12942.	2.4	11
1077	Biomaterials for Bioprinting Microvasculature. Chemical Reviews, 2020, 120, 10887-10949.	23.0	51
1078	Diverse Roles for Hyaluronan and Hyaluronan Receptors in the Developing and Adult Nervous System. International Journal of Molecular Sciences, 2020, 21, 5988.	1.8	27
1079	Suppression of hyaluronidase reduces invasion and establishment of Haemonchus contortus larvae in sheep. Veterinary Research, 2020, 51, 106.	1.1	1
1080	3D Hybrid Nanofiber Aerogels Combining with Nanoparticles Made of a Biocleavable and Targeting Polycation and MiRâ€26a for Bone Repair. Advanced Functional Materials, 2020, 30, 2005531.	7.8	34
1081	Hyaluronic Acid: The Influence of Molecular Weight on Structural, Physical, Physico-Chemical, and Degradable Properties of Biopolymer. Polymers, 2020, 12, 1800.	2.0	202
1082	Retooling Cancer Nanotherapeutics' Entry into Tumors to Alleviate Tumoral Hypoxia. Small, 2020, 16, e2003000.	5.2	36

#	Article	IF	CITATIONS
1083	Recent Research on Methods to Improve Tumor Hypoxia Environment. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-18.	1.9	11
1084	Hyaluronan in skin wound healing: therapeutic applications. Journal of Wound Care, 2020, 29, 782-787.	0.5	9
1085	Electrosprayed Nanoparticles Based on Hyaluronic Acid: Preparation and Characterization. Technologies, 2020, 8, 71.	3.0	3
1086	Chemically Modified Biopolymers for the Formation of Biomedical Hydrogels. Chemical Reviews, 2021, 121, 10908-10949.	23.0	216
1087	Hyaluronicâ€Acidâ€Presenting Selfâ€Assembled Nanoparticles Transform a Hyaluronidase HYAL1 Substrate into an Efficient and Selective Inhibitor. Angewandte Chemie - International Edition, 2020, 59, 13591-13596.	7.2	15
1088	Hyaluronic Acid Scaffolds and Injectable Gels for Healing of Induced Arthritis in Rat Knee: Effect of Prednisolone Revisited. Regenerative Engineering and Translational Medicine, 2021, 7, 393-404.	1.6	2
1089	Hyaluronicâ€Acidâ€Presenting Selfâ€Assembled Nanoparticles Transform a Hyaluronidase HYAL1 Substrate into an Efficient and Selective Inhibitor. Angewandte Chemie, 2020, 132, 13693-13698.	1.6	6
1090	Chemical and mechanical characterization of hyaluronic acid hydrogel crossâ€linked with polyethylen glycol and its use in dermatology. Dermatologic Therapy, 2020, 33, e13747.	0.8	26
1091	Physical and Biological Evaluation of Low-Molecular-Weight Hyaluronic Acid/Fe3O4 Nanoparticle for Targeting MCF7 Breast Cancer Cells. Polymers, 2020, 12, 1094.	2.0	12
1092	Effectiveness of hyaluronate-based pessaries in the treatment of vulvovaginal atrophy in postmenopausal women. Climacteric, 2020, 23, 519-524.	1.1	16
1093	Electrospinning of natural polymers for the production of nanofibres for wound healing applications. Materials Science and Engineering C, 2020, 114, 110994.	3.8	169
1094	Hyaluronic acid binding to CD44S is indiscriminate of molecular weight. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183348.	1.4	18
1095	Thermo-irreversible glycol chitosan/hyaluronic acid blend hydrogel for injectable tissue engineering. Carbohydrate Polymers, 2020, 244, 116432.	5.1	51
1096	Photo-Crosslinkable Double-Network Hyaluronic Acid Based Hydrogel Dressing. Materials Science Forum, 0, 982, 59-66.	0.3	1
1097	Liver function tests in dogs with congenital portosystemic shunts and their potential to determine persistent shunting after surgical attenuation. Veterinary Journal, 2020, 261, 105478.	0.6	13
1098	RNA-seq reveals downregulated osteochondral genes potentially related to tibia bacterial chondronecrosis with osteomyelitis in broilers. BMC Genetics, 2020, 21, 58.	2.7	4
1099	Biological molecules in dental applications: hyaluronic acid as a companion biomaterial for diverse dental applications. Heliyon, 2020, 6, e03722.	1.4	35
1100	Biodistribution and intracellular localization of hyaluronan and its nanogels. A strategy to target intracellular S. aureus in persistent skin infections. Journal of Controlled Release, 2020, 326, 1-12.	4.8	24

#	Article	IF	CITATIONS
1101	Study of injectable Blueberry anthocyanins-loaded hydrogel for promoting full-thickness wound healing. International Journal of Pharmaceutics, 2020, 586, 119543.	2.6	29
1102	Flowâ€regulated endothelial glycocalyx determines metastatic cancer cell activity. FASEB Journal, 2020, 34, 6166-6184.	0.2	23
1103	A Missense Mutation in the UGDH Gene Is Associated With Developmental Delay and Axial Hypotonia. Frontiers in Pediatrics, 2020, 8, 71.	0.9	15
1104	<efficacy a="" for="" hip<br="" hymovis="" injection="" intra-articular="" managing="" of="" one="" single="" symptomatic="">Osteoarthritis: A 12-Month Follow-Up Retrospective Analysis of the ANTIAGE Register Data. Orthopedic Research and Reviews, 2020, Volume 12, 19-26.</efficacy>	0.7	8
1105	It takes more than two to tango: mechanosignaling of the endothelial surface. Pflugers Archiv European Journal of Physiology, 2020, 472, 419-433.	1.3	27
1106	Hyaluronic acid on the urokinase sustained release with a hydrogel system composed of poloxamer 407: HA/P407 hydrogel system for drug delivery. PLoS ONE, 2020, 15, e0227784.	1.1	21
1107	Synthesis of hyaluronic acid oligosaccharides with a GlcNAc–GlcA repeating pattern and their binding affinity with CD44. Organic and Biomolecular Chemistry, 2020, 18, 5370-5387.	1.5	8
1108	Percutaneous Application of Galvanic Current in Rodents Reverses Signs of Myofascial Trigger Points. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-9.	0.5	7
1109	A facile fabrication of dissolving microneedles containing 5-aminolevulinic acid. International Journal of Pharmaceutics, 2020, 586, 119554.	2.6	21
1110	The liver fibrosis niche: Novel insights into the interplay between fibrosis-composing mesenchymal cells, immune cells, endothelial cells, and extracellular matrix. Food and Chemical Toxicology, 2020, 143, 111556.	1.8	26
1111	Hyaluronan Fragmentation During Inflammatory Pathologies: A Signal that Empowers Tissue Damage. Mini-Reviews in Medicinal Chemistry, 2020, 20, 54-65.	1.1	23
1112	A randomized doubleâ€blind clinical trial to evaluate the efficacy of chlorhexidine, antioxidant, and hyaluronic acid mouthwashes in the management of biofilmâ€induced gingivitis. International Journal of Dental Hygiene, 2020, 18, 268-277.	0.8	15
1113	Inflammation-Modulating Hydrogels for Osteoarthritis Cartilage Tissue Engineering. Cells, 2020, 9, 419.	1.8	50
1114	Tumor Microenvironment-Associated Extracellular Matrix Components Regulate NK Cell Function. Frontiers in Immunology, 2020, 11, 73.	2.2	47
1115	Hyaluronanâ€binding protein 1 (HABP1) overexpression triggers induction of senescence in fibroblasts cells. Cell Biology International, 2020, 44, 1312-1330.	1.4	3
1116	Chemical, enzymatic and biological synthesis of hyaluronic acids. International Journal of Biological Macromolecules, 2020, 152, 199-206.	3.6	33
1117	Endothelial Glycocalyx Hyaluronan. American Journal of Pathology, 2020, 190, 781-790.	1.9	39
1118	Systematic Development, Validation and Optimization of a Human Embryo Culture System. Reproductive Medicine, 2020, 1, 1-14.	0.3	Ο

#	Article	IF	CITATIONS
1119	Umbilical cord-derived Wharton's jelly for regenerative medicine applications. Journal of Orthopaedic Surgery and Research, 2020, 15, 49.	0.9	49
1120	Noncationic Material Design for Nucleic Acid Delivery. Advanced Therapeutics, 2020, 3, 1900206.	1.6	32
1121	Hyaluronic acid applications in ophthalmology, rheumatology, and dermatology. Carbohydrate Research, 2020, 489, 107950.	1.1	56
1122	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	13.5	755
1123	Antimicrobial activity and biocompatibility of slow-release hyaluronic acid-antibiotic conjugated particles. International Journal of Pharmaceutics, 2020, 576, 119024.	2.6	22
1125	Recent Advances in Natural Gum-Based Biomaterials for Tissue Engineering and Regenerative Medicine: A Review. Polymers, 2020, 12, 176.	2.0	122
1126	New Developments in Medical Applications of Hybrid Hydrogels Containing Natural Polymers. Molecules, 2020, 25, 1539.	1.7	161
1127	An In Situ Hyaluronic Acid-Fibrin Hydrogel Containing Drug-Loaded Nanocapsules for Intra-Articular Treatment of Inflammatory Joint Diseases. Regenerative Engineering and Translational Medicine, 2020, 6, 201-216.	1.6	24
1128	Animal-derived biopolymers in food and biomedical technology. , 2020, , 139-152.		22
1129	Effect of aggrecan degradation on the nanomechanics of hyaluronan in extra-fibrillar matrix of annulus fibrosus: A molecular dynamics investigation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 107, 103752.	1.5	8
1130	Fabrication and in vitro evaluation of 3D composite scaffold based on collagen/hyaluronic acid sponge and electrospun polycaprolactone nanofibers for peripheral nerve regeneration. Journal of Biomedical Materials Research - Part A, 2021, 109, 300-312.	2.1	56
1131	Extracellular matrix proteins in metastases to the liver – Composition, function and potential applications. Seminars in Cancer Biology, 2021, 71, 134-142.	4.3	17
1132	Spreading Pattern and Tissue Response to Hyaluronic Acid Gel Injections in the Subcutis: Ultrasound Videos, Ultrasound Measurements, and Histology. Aesthetic Surgery Journal, 2021, 41, 224-241.	0.9	4
1133	Hyaluronan, Transforming Growth Factor β, and Extra Domain A-Fibronectin: A Fibrotic Triad. Advances in Wound Care, 2021, 10, 137-152.	2.6	17
1134	Preparation, characterization and in vitro antitumor activity evaluation of hyaluronic acid-alendronate-methotrexate nanoparticles. International Journal of Biological Macromolecules, 2021, 166, 71-79.	3.6	17
1135	The cyanobacterial polysaccharide sacran: characteristics, structures, and preparation of LC gels. Polymer Journal, 2021, 53, 81-91.	1.3	11
1136	The progress on sulfhydryl modified polymers with regard to synthesis, characterization and mucoadhesion. International Journal of Pharmaceutics, 2021, 592, 120016.	2.6	1
1137	Rhinoplasty with Fillers and Fat Grafting. Oral and Maxillofacial Surgery Clinics of North America, 2021, 33, 83-110.	0.4	6

#	Article	IF	CITATIONS
1138	Polysaccharide-Based Biomaterials in Tissue Engineering: A Review. Tissue Engineering - Part B: Reviews, 2021, 27, 604-626.	2.5	81
1139	Nanoenabled Tumor Oxygenation Strategies for Overcoming Hypoxia-Associated Immunosuppression. ACS Applied Bio Materials, 2021, 4, 277-294.	2.3	6
1140	Molar mass effect in food and health. Food Hydrocolloids, 2021, 112, 106110.	5.6	19
1141	The postoperative outcomes of patients with chronic rhinosinusitis with nasal polyps by sustained released steroid from hyaluronic acid gel. European Archives of Oto-Rhino-Laryngology, 2021, 278, 1047-1052.	0.8	6
1142	Developments in Mass Spectrometry for Glycosaminoglycan Analysis: A Review. Molecular and Cellular Proteomics, 2021, 20, 100025.	2.5	27
1143	Semiflexible polymer scaffolds: an overview of conjugation strategies. Polymer Chemistry, 2021, 12, 1362-1392.	1.9	13
1144	Monodispersed sodium hyaluronate microcapsules for transdermal drug delivery systems. Materials Advances, 0, , .	2.6	5
1145	Spasticity. , 2021, , 447-468.e6.		0
1146	Photoresponsive Production of Hyaluronic Acid from Streptococcus equi under Chemical Mutants. Egyptian Journal of Botany, 2021, .	0.1	0
1147	Volumizing Fillers. , 2021, , 29-83.		1
1148	Self-Assembled Thermoresponsive Nanogel from Grafted Hyaluronic Acid as a Biocompatible Delivery Platform for Curcumin with Enhanced Drug Loading and Biological Activities. Polymers, 2021, 13, 194.	2.0	22
1149	Hyaluronic acid-magnetic nanocomposites for gene delivery. , 2021, , 311-323.		1
1150	Impact of Glycans on Lipid Membrane Dynamics at the Nanoscale Unveiled by Planar Plasmonic Nanogap Antennas and Atomic Force Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 1175-1181.	2.1	5
1151	Hyaluronic Acid and Regenerative Medicine: New Insights into the Stroke Therapy. Current Molecular Medicine, 2021, 20, 675-691.	0.6	7
1152	Capillary electrophoresis analysis of intact and depolymerized complex heteropolysaccharides for quality assurance and purity. , 2021, , 729-759.		0
1153	Endothelial glycocalyx damage in kidney disease correlates with uraemic toxins and endothelial dysfunction. BMC Nephrology, 2021, 22, 21.	0.8	34
1154	Applications of Polymers in Delivery of Biologics. , 2021, , 449-534.		2
1155	Biofat grafts as an orthobiologic tool in osteoarthritis: An update and classification proposal.		

#	Article	IF	CITATIONS
1156	Effect of Matrix-Modulating Enzymes on the Cellular Uptake of Magnetic Nanoparticles and on Magnetic Hyperthermia Treatment of Pancreatic Cancer Models In Vivo. Nanomaterials, 2021, 11, 438.	1.9	21
1157	Sweet tailoring of glyco-modulatory extracellular matrix-inspired biomaterials to target neuroinflammation. Cell Reports Physical Science, 2021, 2, 100321.	2.8	8
1158	Serum hyaluronic acid, a marker for improved liver perfusion after gradual surgical attenuation of extrahepatic portosystemic shunt closure in dogs. Veterinary Journal, 2021, 268, 105604.	0.6	6
1159	Biodegradable microneedles fabricated with carbohydrates and proteins: Revolutionary approach for transdermal drug delivery. International Journal of Biological Macromolecules, 2021, 170, 602-621.	3.6	67
1160	Nanocomposite hyaluronic acid-based hydrogel for the treatment of esophageal fistulas. Materials Today Bio, 2021, 10, 100109.	2.6	9
1161	A guide to the composition and functions of the extracellular matrix. FEBS Journal, 2021, 288, 6850-6912.	2.2	320
1162	A Hyaluronan Synthesis Inhibitor Delays the Progression of Diabetic Kidney Disease in A Mouse Experimental Model. Kidney360, 2021, 2, 809-818.	0.9	2
1163	Comparative Analysis of Hyaluronidase-Mediated Degradation Among Seven Hyaluronic Acid Fillers in Hairless Mice. Clinical, Cosmetic and Investigational Dermatology, 2021, Volume 14, 241-248.	0.8	9
1164	Hyaluronidases in Human Diseases. International Journal of Molecular Sciences, 2021, 22, 3204.	1.8	30
1165	Preparation of a Fucoidan-Grafted Hyaluronan Composite Hydrogel for the Induction of Osteoblast Differentiation in Osteoblast-Like Cells. Materials, 2021, 14, 1168.	1.3	11
1166	Molecular Dynamics Simulation Study on Allosteric Regulation of CD44-Hyaluronan Binding as a Force Sensing Mechanism. ACS Omega, 2021, 6, 8045-8055.	1.6	9
1167	Exploitation of Marine-Derived Robust Biological Molecules to Manage Inflammatory Bowel Disease. Marine Drugs, 2021, 19, 196.	2.2	9
1168	Ultrastructure of extracorporeal secretions of four sessile species of Rotifera (Gnesiotrocha), with observations on the chemistry of the gelatinous tube. Invertebrate Biology, 2021, 140, e12318.	0.3	5
1169	Mucoadhesive hyaluronic <scp>acidâ€based</scp> films for vaginal delivery of metronidazole. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1706-1712.	1.6	8
1170	Hyaluronan orders water molecules in its nanoscale extended hydration shells. Science Advances, 2021, 7, .	4.7	9
1172	Oxidized polysaccharides for anticancer-drug delivery: What is the role of structure?. Carbohydrate Polymers, 2021, 257, 117562.	5.1	18
1173	Interventions Preventing Vaginitis, Vaginal Atrophy after Brachytherapy or Radiotherapy Due to Malignant Tumors of the Female Reproductive Organs—A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 3932.	1.2	4
1174	Effects of Oral Hyaluronic Acid Administration in Dogs Following Tibial Tuberosity Advancement Surgery for Cranial Cruciate Ligament Injury. Animals, 2021, 11, 1264.	1.0	3

#	Article	IF	CITATIONS
1175	Protein kinase A controls the hexosamine pathway by tuning the feedback inhibition of GFAT-1. Nature Communications, 2021, 12, 2176.	5.8	19
1176	May Autogenous Grafts Increase the Effectiveness of Hyalonect Membranes in Intraosseous Defects: An Experimental In Vivo Study. Medicina (Lithuania), 2021, 57, 430.	0.8	2
1177	Natural bio-based monomers for biomedical applications: a review. Biomaterials Research, 2021, 25, 8.	3.2	57
1178	Recent advances in natural polymer-based hydroxyapatite scaffolds: Properties and applications. European Polymer Journal, 2021, 148, 110360.	2.6	73
1179	Bucillamine as An Efficient H Atom Donor Protects High-Molar-Mass Hyaluronan from Oxidative Degradation by Effective Scavenging of Free Radicals. , 2021, , 123-138.		0
1180	The Effects of Resuscitative Fluid Therapy on the Endothelial Surface Layer. Frontiers in Veterinary Science, 2021, 8, 661660.	0.9	15
1181	Augmented Chondroitin Sulfate Proteoglycan Has Therapeutic Potential for Intervertebral Disc Degeneration by Stimulating Anabolic Turnover in Bovine Nucleus Pulposus Cells under Changes in Hydrostatic Pressure. International Journal of Molecular Sciences, 2021, 22, 6015.	1.8	6
1182	Stringiness of hyaluronic acid emulsions. International Journal of Cosmetic Science, 2021, 43, 458-465.	1.2	4
1183	Hyaluronan and the Fascial Frontier. International Journal of Molecular Sciences, 2021, 22, 6845.	1.8	31
1184	Polyblend Nanofibers to Regenerate Gingival Tissue: A Preliminary In Vitro Study. Frontiers in Materials, 2021, 8, .	1.2	4
1185	Distribution and degradation of hyaluronic acid during subdermal administration. Medical Alphabet, 2021, , 67-71.	0.0	0
1186	Comparison of hyaluronic acid in patients with rheumatoid arthritis, systemic sclerosis and systemic lupus erythematosus. Biochemia Medica, 2021, 31, 240-249.	1.2	3
1187	Recent Progress on Polysaccharide-Based Hydrogels for Controlled Delivery of Therapeutic Biomolecules. ACS Biomaterials Science and Engineering, 2021, 7, 4102-4127.	2.6	64
1188	Absorption, distribution, metabolism and excretion of hyaluronic acid during pregnancy: a matter of molecular weight. Expert Opinion on Drug Metabolism and Toxicology, 2021, 17, 823-840.	1.5	5
1189	Assays for hyaluronidases and heparanase using nonreducing end fluorophore-labeled hyaluronan and heparan sulfate proteoglycan. Glycobiology, 2021, 31, 1435-1443.	1.3	3
1190	Dispersive effects and focused biodistribution of recombinant human hyaluronidase PH20: A locally acting and transiently active permeation enhancer. PLoS ONE, 2021, 16, e0254765.	1.1	3
1191	Engineering Polysaccharides for Tissue Repair and Regeneration. Macromolecular Bioscience, 2021, 21, e2100141.	2.1	13
1192	Advantages of Hyaluronic Acid and Its Combination with Other Bioactive Ingredients in Cosmeceuticals. Molecules, 2021, 26, 4429.	1.7	91

щ		IF	CITATIONS
# 1193	ARTICLE Hyaluronic Acid Functionalization with Jeffamine® M2005: A Comparison of the Thermo-Responsiveness Properties of the Hydrogel Obtained through Two Different Synthesis Routes.	lF 2.1	CITATIONS
	Gels, 2021, 7, 88.		
1194	Squeeze-film properties of synovial fluid and hyaluronate-based viscosupplements. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1919-1940.	1.4	1
1195	Structural and Functional Remodeling of the Extracellular Matrix during Brain Development and Aging. Trends in Glycoscience and Glycotechnology, 2021, 33, J79-J84.	0.0	0
1196	Controlled release of MSC-derived small extracellular vesicles by an injectable Diels-Alder crosslinked hyaluronic acid/PEG hydrogel for osteoarthritis improvement. Acta Biomaterialia, 2021, 128, 163-174.	4.1	37
1197	Recent Advances in the Excipients Used for Modified Ocular Drug Delivery. Materials, 2021, 14, 4290.	1.3	9
1198	Structural and Functional Remodeling of the Extracellular Matrix during Brain Development and Aging. Trends in Glycoscience and Glycotechnology, 2021, 33, E79-E84.	0.0	0
1199	Evaluation of Clinical Parameters as Predictors of Monozygotic Twins after Single Frozen Embryo Transfer. F&S Reports, 2021, 2, 428-432.	0.4	2
1200	Hyaluronic acid synthesis, degradation, and crosslinking in equine osteoarthritis: TNF-α-TSG-6-mediated HC-HA formation. Arthritis Research and Therapy, 2021, 23, 218.	1.6	9
1201	Natural Polymeric Scaffolds for Tissue Engineering Applications. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 2144-2194.	1.9	25
1202	The Therapeutic Potential of Mesenchymal Stromal Cells for Regenerative Medicine: Current Knowledge and Future Understandings. Frontiers in Cell and Developmental Biology, 2021, 9, 661532.	1.8	70
1203	Hyaluronic acid and proliferation/cellular death amount in the female rats mammary gland after estroprogestative therapy. Gynecological Endocrinology, 2022, 38, 181-185.	0.7	1
1205	Recent advances and prospects of hyaluronan as a multifunctional therapeutic system. Journal of Controlled Release, 2021, 336, 598-620.	4.8	59
1206	Evaluating parameters affecting drug fate at the intramuscular injection site. Journal of Controlled Release, 2021, 336, 322-335.	4.8	7
1207	Oral Mesenchymal Stromal Cells in Systemic Sclerosis: Characterization and Response to a Hyaluronic-Acid-Based Biomaterial. Applied Sciences (Switzerland), 2021, 11, 8101.	1.3	0
1208	The naked truth: a comprehensive clarification and classification of current â€~myths' in naked moleâ€rat biology. Biological Reviews, 2022, 97, 115-140.	4.7	62
1209	Hyaluronic Acid-Based Nanoparticles for Protein Delivery: Systematic Examination of Microfluidic Production Conditions. Pharmaceutics, 2021, 13, 1565.	2.0	12
1210	HA-coated collagen nanofibers for urethral regeneration via in situ polarization of M2 macrophages. Journal of Nanobiotechnology, 2021, 19, 283.	4.2	17
1211	Safety of recombinant human hyaluronidase PH20 for subcutaneous drug delivery. Expert Opinion on Drug Delivery, 2021, 18, 1673-1685.	2.4	12

#	Article	IF	CITATIONS
1212	Antimicrobial nanofibrous mats with controllable drug release produced from hydrophobized hyaluronan. Carbohydrate Polymers, 2021, 267, 118225.	5.1	6
1213	A Naturally-Occurring Point Mutation in a Hyaluronidase Gene (<i>hysA1</i>) of <i>Staphylococcus aureus</i> UAMS-1 Results in Reduced Enzymatic Activity. Canadian Journal of Microbiology, 2021, , 1-13.	0.8	1
1214	3D Printing of Collagen/Oligomeric Proanthocyanidin/Oxidized Hyaluronic Acid Composite Scaffolds for Articular Cartilage Repair. Polymers, 2021, 13, 3123.	2.0	15
1215	3D structure prediction, dynamic investigation and rational construction of an epitope-masked thermostable bovine hyaluronidase. International Journal of Biological Macromolecules, 2021, 187, 544-553.	3.6	2
1216	Physical and Bioactive Properties of Glycosaminoglycan Hydrogels Modulated by Polymer Design Parameters and Polymer Ratio. Biomacromolecules, 2021, 22, 4316-4326.	2.6	4
1217	Role of Free Catecholamine in Thiol-Ene Crosslinking for Hyaluronic Acid Hydrogels with High Loading Efficiency of Anticancer Drugs. Tissue Engineering and Regenerative Medicine, 2022, 19, 281-287.	1.6	5
1218	The leukotriene receptor antagonist montelukast in the treatment of non-alcoholic steatohepatitis: A proof-of-concept, randomized, double-blind, placebo-controlled trial. European Journal of Pharmacology, 2021, 906, 174295.	1.7	5
1219	Are there hidden advantages to certain embryo transfer media, or what can reduce the risk of monozygotic twin pregnancies after ART F&S Reports, 2021, 2, 372-373.	0.4	Ο
1220	Collagen- and hyaluronic acid-based hydrogels and their biomedical applications. Materials Science and Engineering Reports, 2021, 146, 100641.	14.8	93
1221	Patch grafting, strategies for transplantation of organoids into solid organs such as liver. Biomaterials, 2021, 277, 121067.	5.7	15
1222	Microscale thermophoresis for studying protein-small molecule affinity: Application to hyaluronidase. Microchemical Journal, 2021, 170, 106763.	2.3	6
1223	Recent advances in biopolymer-based formulations for wound healing applications. European Polymer Journal, 2021, 160, 110784.	2.6	31
1224	Deletion of TNFAIP6 Gene in Human Keratinocytes Demonstrates a Role for TSG-6 to Retain Hyaluronan Inside Epidermis. JID Innovations, 2021, 1, 100054.	1.2	11
1225	Three-dimensional bioprinting in medical surgery. , 2022, , 27-75.		0
1226	Skin-specific knockdown of hyaluronan in mice by an optimized topical 4-methylumbelliferone formulation. Drug Delivery, 2021, 28, 422-432.	2.5	4
1227	Nonmicrobial Activation of TLRs Controls Intestinal Growth, Wound Repair, and Radioprotection. Frontiers in Immunology, 2020, 11, 617510.	2.2	10
1228	3D printing of functional microrobots. Chemical Society Reviews, 2021, 50, 2794-2838.	18.7	178
1229	Hyaluronan reduces inflammation in experimental arthritis by modulating TLR-2 and TLR-4 cartilage expression. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1170-1181.	1.8	1

#	Article	IF	CITATIONS
1232	Pharmacological Alterations of Peritoneal Transport Rates and Pharmacokinetics in Peritoneal Dialysis. , 2009, , 193-266.		3
1233	Polymer Solutions and Films as Tissue-Protective and Barrier Adjuvants. , 2000, , 499-520.		2
1234	Structure and Function of Articular Cartilage. , 2020, , 3-70.		6
1235	Epidemiology and Pathogenesis of Restenosis. , 2007, , 7-28.		3
1236	In vivo investigation of hyaluronan and hyaluronan synthase-2 function during cartilage and joint development. , 2002, , 213-218.		2
1237	Innovative Nutraceutical Approaches to Counteract the Signs of Aging. , 2016, , 1-25.		1
1238	Natural Materials in Tissue Engineering Applications. , 2011, , 209-241.		4
1239	Extracellular Control of Limb Regeneration. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 257-266.	0.1	2
1240	Lactoferrin and its Role in Wound Healing. , 2012, , .		11
1241	The Role of Cell Adhesion, Cell Junctions, and Extracellular Matrix in Development and Carcinogenesis. , 2013, , 13-49.		6
1242	Role of Lymphatic System on Snake Venom Absorption. , 2017, , 453-474.		2
1243	Pharmacological alterations of peritoneal transport rates and pharmacokinetics in peritoneal dialysis. , 2000, , 193-251.		2
1244	Clinical Applications of Hyaluronidase. Advances in Experimental Medicine and Biology, 2019, 1148, 255-277.	0.8	58
1245	Advances in Understanding of Tendon Healing and Repairs and Effect on Postoperative Management. , 2011, , 439-444.e5.		2
1246	Modification of Natural Polymers. , 2002, , 539-553.		2
1247	Preclinical challenges for developing long acting intravitreal medicines. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 153, 130-149.	2.0	21
1248	Hysteresis during heating and cooling of hyaluronan solutions in water observed by means of ultrasound velocimetry. International Journal of Biological Macromolecules, 2020, 165, 2419-2424.	3.6	4
1249	Injectable anti-inflammatory hyaluronic acid hydrogel for osteoarthritic cartilage repair. Materials Science and Engineering C, 2020, 115, 111096.	3.8	87

		CHAHON KI		
#	ARTICLE		IF	Citations
1250	Wound Healing: Hemoderivatives and Biopolymers. , 2017, , 1642-1660.			1
1251	Gradients in the Liver's Extracellular Matrix Chemistry from Periportal to Pericentral Zo Influence on Human Hepatic Progenitors. Tissue Engineering, 2008, 14, 59-70.	ines:	4.9	9
1253	The adhesion receptor CD44 promotes atherosclerosis by mediating inflammatory cell and vascular cell activation. Journal of Clinical Investigation, 2001, 108, 1031-1040.	recruitment	3.9	129
1254	The adhesion receptor CD44 promotes atherosclerosis by mediating inflammatory cell and vascular cell activation. Journal of Clinical Investigation, 2001, 108, 1031-1040.	recruitment	3.9	264
1255	Nanocapsule-delivered Sleeping Beauty mediates therapeutic Factor VIII expression in endothelial cells of hemophilia A mice. Journal of Clinical Investigation, 2009, 119, 208		3.9	87
1256	pH-responsive and hyaluronic acid-functionalized metal–organic frameworks for the osteoarthritis. Journal of Nanobiotechnology, 2020, 18, 139.	rapy of	4.2	58
1257	Scaffolds for Directing Cellular Responses and Tissue Formation. , 2002, , .			1
1258	Application of Natural, Semi-synthetic, and Synthetic Biopolymers used in Drug Deliver Design. , 2016, , 38-65.	ry Systems		1
1259	Specific Endocytosis and Catabolism In The Scavenger Endothelial Cells Of Cod (<i>Ga</i>	adus Morhua) Tj ETQqC	0 0 0 rgBT /	Oygrlock 10 ⁻
1260	Hyaluronan Fragments Improve Wound Healing on In Vitro Cutaneous Model through Purinoreceptor Basal Activation: Role of Molecular Weight. PLoS ONE, 2012, 7, e4835		1.1	80
1261	Nanostructured 3D Constructs Based on Chitosan and Chondroitin Sulphate Multilaye Cartilage Tissue Engineering. PLoS ONE, 2013, 8, e55451.	ers for	1.1	105
1262	Thorough Investigation of a Canine Autoinflammatory Disease (AID) Confirms One Ma Suggests a Modifier Locus for Amyloidosis. PLoS ONE, 2013, 8, e75242.	in Risk Locus and	1.1	12
1263	Hyaluronic Acid and Periodontitis. Acta Medica (Hradec Kralove), 2007, 50, 225-228.		0.2	19
1264	Hyaluronic Acid Concentration in Pleural Fluid: Diagnostic Aid for Tuberculous Pleurisy. Clinical Medicine Research, 2015, 7, 41-44.	. Journal of	0.6	4
1265	Serum hyaluronan and collagen IV as non-invasive markers of liver fibrosis in patients f endemic area for schistosomiasis mansoni: a field-based study in Brazil. Memorias Do I Oswaldo Cruz, 2010, 105, 471-478.	rom an nstituto	0.8	22
1266	Complications of dermal fillers injection in facial augmentation: international and Russ experience. Plastic Surgery and Aesthetic Medicine, 2019, , 54.	ian	0.1	14
1267	Ovulation and ovarian wound healing are impaired with advanced reproductive age. Ag 9686-9713.	ging, 2020, 12,	1.4	44
1268	Nerve growth factor modulates the tumor cells migration in ovarian cancer through th WNT/β-catenin pathway. Oncotarget, 2016, 7, 81026-81048.	e	0.8	20

ARTICLE IF CITATIONS # Over forty years of bladder cancer glycobiology: Where do glycans stand facing precision oncology?. 1269 0.8 37 Oncotarget, 2017, 8, 91734-91764. Surface Treatment of Flexor Tendon Autografts with Carbodiimide-Derivatized Hyaluronic Acid<sbt aid="1047845">An in Vivo Canine Model</sbt>. Journal of Bone and Joint Surgery - Series A, 2006, 88, 1270 1.4 2181. The Role of Anionic Polysaccharides in the Preparation of Nanomedicines with Anticancer 1271 0.9 11 Applications. Current Pharmaceutical Design, 2016, 22, 3364-3379. The structure and function of cartilage proteoglycans., 2006, 12, 92-101. 262 A model of synovial fluid lubricant composition in normal and injured joints., 2007, 13, 26-39. 1273 105 1274 When is indicated viscosupplementation in hip osteoarthritis?. Acta Biomedica, 2018, 90, 67-74. 0.2 Vocal Fold Regeneration: Current Review. Korean Journal of Otorhinolaryngology-Head and Neck 1275 0.0 3 Surgery, 2018, 61, 275-280. Adhesive Catechol-Conjugated Hyaluronic Acid for Biomedical Applications: A Mini Review. Applied 1.3 Sciences (Switzerland), 2021, 11, 21. Glycosaminoglycans in Tissue Engineering: A Review. Biomolecules, 2021, 11, 29. 1.8 1277 74 1278 Biotechnology Applied to Cosmetics and Aesthetic Medicines. Cosmetics, 2020, 7, 33. 1.5 Significant Remodeling Affects the Circulating Glycosaminoglycan Profile in Adult Patients with both 1279 4 1.0 Severe and Mild Forms of Acute Pancreatitis. Journal of Clinical Medicine, 2020, 9, 1308. Injectable, Biodegradable Hydrogels for Tissue Engineering Applications. Materials, 2010, 3, 1746-1767. 1280 1.3 536 Thymosin α1 Interacts with Hyaluronic Acid Electrostatically by Its Terminal Sequence LKEKK. 1281 1.7 1 Mólecules, 2017, 22, 1843. Glycoproteins and glycoproteomics in pancreatic cancer. World Journal of Gastroenterology, 2016, 1.4 59 22, 9288. Effects of heme oxygenase-1-modified bone marrow mesenchymal stem cells on microcirculation and energy metabolism following liver transplantation. World Journal of Gastroenterology, 2017, 23, 1283 1.4 15 3449 Effects of hyaluronic acid (hyalonect) on callus formation in rabbits. Acta Orthopaedica Et 1284 Traumatologica Turcica, 2015, 49, 319-25. Serum connective tissue markers as predictors of advanced fibrosis in patients with chronic hepatitis 1285 0.4 18 B and D. Turkish Journal of Gastroenterology, 2011, 22, 305-314. Biology of hyaluronan: Insights from genetic disorders of hyaluronan metabolism. World Journal of Biological Chemistry, 2015, 6, 110.

#	Article	IF	CITATIONS
1287	Anti-Wrinkle Efficacy of Cross-Linked Hyaluronic Acid-Based Microneedle Patch with Acetyl Hexapeptide-8 and Epidermal Growth Factor on Korean Skin. Annals of Dermatology, 2019, 31, 263.	0.3	17
1288	The Effect of Sodium Hyaluronate plus Sodium Chondroitin Sulfate Solution on Peritendinous Adhesion and Tendon Healing: An Experimental Study. Balkan Medical Journal, 2016, 33, 258-266.	0.3	13
1289	Structural Characteristics and Anti-inflammatory Activities of Chemically Sulfated-hyaluronic Acid from Streptococcus dysgalactiae. Journal of Life Science, 2016, 26, 545-554.	0.2	3
1290	Correlation between WOMAC score and hyalrunoic acid levels in knee osteoarthritis. International Journal of Research in Medical Sciences, 2015, 3, 757.	0.0	1
1291	The Therapeutic Potential of Stimulating Endogenous Stem Cell Mobilization. , 0, , .		5
1292	Expressional Alterations of Versican, Hyaluronan and Microfibril Associated Proteins in the Cancer Microenvironment. , 0, , .		1
1293	Plasma hyaluronan, hyaluronidase activity and endogenous hyaluronidase inhibition in sepsis: an experimental and clinical cohort study. Intensive Care Medicine Experimental, 2021, 9, 53.	0.9	3
1294	The PDAC Extracellular Matrix: A Review of the ECM Protein Composition, Tumor Cell Interaction, and Therapeutic Strategies. Frontiers in Oncology, 2021, 11, 751311.	1.3	48
1295	The Scavenger Function of Liver Sinusoidal Endothelial Cells in Health and Disease. Frontiers in Physiology, 2021, 12, 757469.	1.3	50
1296	Predictive markers for the early prognosis of dengue severity: A systematic review and meta-analysis. PLoS Neglected Tropical Diseases, 2021, 15, e0009808.	1.3	12
1297	Introducing Hyaluronic Acid into Supramolecular Polymers and Hydrogels. Biomacromolecules, 2021, 22, 4633-4641.	2.6	7
1298	Cross-linked hyaluronic acid slows down collagen membrane resorption in diabetic rats through reducing the number of macrophages. Clinical Oral Investigations, 2022, 26, 2401-2411.	1.4	5
1299	The Role of the Oocyte in Ovulation. , 2000, , 67-75.		1
1300	Esterifizierte Hyaluronsäre-Membranen als Wachstumssubstrat für humane Keratinozyten. Hefte Zur Zeitschrift Der Unfallchirurg, 2000, , 91-96.	0.0	0
1302	Osteoarthritis and Beyond: A Consensus on the Past, Present, and Future of Hyaluronans in Orthopedics. Orthopedics, 2003, 26, 1064-1079.	0.5	28
1303	Mutations in gfpt1 and skiv2l2 cause distinct stage-specific defects in larval melanocyte regeneration in zebrafish. PLoS Genetics, 2005, preprint, e88.	1.5	0
1304	Hyaluronic acid and aspartate aminotransferase levels normalized by liver function can reflect sinusoidal impairment in chronic liver disease. Liver International, 2006, .	1.9	0
1305	SURFACE TREATMENT OF FLEXOR TENDON AUTOGRAFTS WITH CARBODIIMIDE-DERIVATIZED HYALURONIC ACID. Journal of Bone and Joint Surgery - Series A, 2006, 88, 2181-2191.	1.4	7

#	Article	IF	Citations
1307	Renal Aspects of Sodium Metabolism in the Fetus and Neonate. , 2008, , 23-53.		1
1308	Role of Proteoglycans in Vascular Mechanotransduction. , 2010, , 219-236.		2
1309	Cancer Stem Cells in Ovarian Cancer. , 2011, , 151-176.		0
1310	Glycosaminoglycans in Atherosclerosis and Thrombosis. , 2011, , 83-111.		0
1311	Role of Hyaluronan in Wound Healing. , 2012, , 25-42.		1
1312	Arterial Wall Remodeling and Restenosis Following Vascular Reconstruction. , 2013, , 97-105.		0
1313	The effect of Cicatridina® preparation on changes in the vagina due to radiotherapy treatment of cervical or endometrial cancer. Observational study. Current Gynecologic Oncology, 2013, 11, 97-102.	0.1	0
1314	New Trends in Dentin Bonding: Treatment with chlorhexidine, hyaluronic acid, vitaminc C and green tea. Ciência Odontológica Brasileira, 2013, 16, .	0.0	6
1315	Enhancement of Periodontal Healing by Application of a Novel Ointment Compared with Hyaluronic Acid, Histological Observation in Animal Model. Modern Research in Inflammation, 2014, 03, 71-81.	0.4	1
1316	Periodontal effect of 8% Hyaluronan as an Adjunct to Scaling and Root Planning in the Treatment of Chronic Periodontitis(Comparative Study). IOSR Journal of Dental and Medical Sciences, 2014, 13, 76-81.	0.0	0
1317	Serum Hyaluronan in Patients With Multiple Myeloma: Correlation With Survival and Ig Concentration. Blood, 1999, 93, 4144-4148.	0.6	0
1320	Innovative Nutraceutical Approaches to Counteract the Signs of Aging. , 2015, , 1-25.		0
1322	Nonsteroidal Anti-Inflammatory Drug (NSAID) Delivery: Biopolymer-Based Systems. , 2015, , 1-10.		0
1323	Drug Delivery: Pulmonary. , 0, , 2835-2853.		0
1324	Hyaluronic Acid: Drug Delivery Applications. , 0, , 3760-3777.		0
1325	Drug Delivery: Intravaginal, Advantages and Challenges. , 0, , 2712-2725.		0
1326	Wound Healing: Hemoderivatives and Biopolymers. , 0, , 8280-8298.		0
1327	Viscosupplementation with intra-articular hyaluronic acid for hip disorders. A systematic review and meta-analysis. Muscles, Ligaments and Tendons Journal, 2016, 6, 293-299.	0.1	18

#	Article	IF	CITATIONS
1328	Scaffolds: Regenerative Medicine. , 0, , 7093-7113.		0
1329	Cardiovascular Tissue Engineering: Polymeric Starter Matrices for. , 0, , 1-25.		0
1330	Innovative Nutraceutical Approaches to Counteract the Signs of Aging. , 2017, , 1967-1991.		0
1331	Renewable Biomaterials as Nanocarriers for Drug and Gene Delivery. , 2017, , 1-32.		1
1332	Wound Care: Natural Biopolymer Applications. , 2017, , 1607-1619.		0
1333	Polysaccharide-Based Polymer Gels. Gels Horizons: From Science To Smart Materials, 2018, , 147-229.	0.3	3
1335	Biodegradable antimicrobial hydrogels and their use in biomedical purposes. , 2019, , 23-52.		0
1336	Differences among Three Branded Formulations of Hyaluronic Acid: Data from Environmental Scanning Electron Microscope Profile, Rheology Behavior and Biological Activity. Biomedical Journal of Scientific & Technical Research, 2019, 17, .	0.0	0
1337	Role of hyaluronic acid in the prevention and treatment of radiation-induced oropharyngeal mucositis. Opuholi Golovy I Sei, 2019, 9, 29-37.	0.1	0
1339	Efficacy of Hyaluronic Acid Gel as an Adjunct to Non-Surgical Periodontal Treatment in Smokers with Periodontitis: A Retrospective Case Control Study. Clinical and Experimental Health Sciences, 0, , .	0.1	0
1340	Wound Matrix Stiffness Imposes on Macrophage Activation. Methods in Molecular Biology, 2021, 2193, 111-120.	0.4	3
1341	Type-3 Hyaluronan Synthase Attenuates Tumor Cells Invasion in Human Mammary Parenchymal Tissues. Molecules, 2021, 26, 6548.	1.7	1
1342	Assessment of the Substance Antioxidative Profile by Hyaluronan, Cu(II) and Ascorbate. Pharmaceutics, 2021, 13, 1815.	2.0	3
1343	Patient-derived and artificial ascites have minor effects on MeT-5A mesothelial cells and do not facilitate ovarian cancer cell adhesion. PLoS ONE, 2020, 15, e0241500.	1.1	5
1345	Pharmacogenomics of hyaluronic acid. Vestnik Dermatologii I Venerologii, 2021, 97, 24-38.	0.2	2
1346	The endothelial glycocalyx: research methods and prospects for their use in endothelial dysfunction assessment. Regional Blood Circulation and Microcirculation, 2020, 19, 5-16.	0.1	5
1347	Hyaluronan: A key player or just a bystander in skin photoaging?. Experimental Dermatology, 2022, 31, 442-458.	1.4	14
1349	Innate Immune Regulation of Lung Injury and Repair. , 2006, , 110-117.		0

ARTICLE IF CITATIONS Injektionen mit nativer Hyaluronsäre. , 2005, , 239-250. 1350 1 Knockout of hyaluronidase Spam1 reduces age-related bone and cartilage changes in mouse knee. Morphologie, 2020, 104, 151-157. Hyaluronan stimulates mobilization of mature hematopoietic cells but not hematopoietic 1353 1.0 5 progenitors. Journal of Stem Cells, 2009, 4, 191-202. Hyaluronan is required for generation of hematopoietic cells during differentiation of human 1354 1.0 embryonic stem cells. Journal of Stem Cells, 2010, 5, 9-21. Hyaluronan regulation of vascular integrity. American Journal of Cardiovascular Disease, 2011, 1, 1355 0.5 82 200-13. Preventing effects of joint contracture by high molecular weight hyaluronan injections in a rat immobilized knee model. International Journal of Clinical and Experimental Pathology, 2015, 8, 3426-40. Efficacy, Safety, and Tolerance of a New Injection Technique for High- and Low-Molecular-Weight 1357 0.4 10 Hyaluronic Acid Hybrid Complexes. Eplasty, 2015, 15, e46. Treatment of vulvo-vaginal atrophy with hyaluronate-based gel: a randomized controlled study. Minerva Obstetrics and Gynecology, 2022, 74, . 1359 Epidermal Hyaluronan in Barrier Alteration-Related Disease. Cells, 2021, 10, 3096. 1.8 8 Endothelial glycocalyx degradation during sepsis: Causes and consequences. Matrix Biology Plus, 1.9 2021, 12, 100094. Combinations of Hydrogels and Mesenchymal Stromal Cells (MSCs) for Cartilage Tissue 1361 21 2.1 Engineeringâ€"A Réview of the Literature. Gels, 2021, 7, 217. The efficacy of intraarticular viscosupplementation after arthroscopic partial meniscectomy: a 0.8 randomized controlled trial. BMC Musculoskeletal Disorders, 2022, 23, 32. Investigating protein diffusivities in diluted hyaluronic acid solutions using dynamic light scattering. 1363 1.3 0 Analytical Methods, 2022, 14, 241-249. Advancements in Protein based Nano Particulate system for treatment of Pulmonary Infections- A Review. Asian Pacific Journal of Nursing and Health Sciences, 2021, 4, 22-34. 1364 0.1 Efeitos da administração oral do ácido hialurônico no envelhecimento cutâneo: uma revisão. Revista 1365 0.0 0 CientÃfica De Estética E Cosmetologia, 2020, 1, 39-43. Enhanced Liver Fibrosis Score as a Biomarker for Vascular Damage Assessment in Patients with Takayasu Arteritis—A Pilot Study. Journal of Cardiovascular Development and Disease, 2021, 8, 187. Discovery and Development of the Quininib Series of Ocular Drugs. Journal of Ocular Pharmacology 1367 0.6 0 and Therapeutics, 2022, 38, 33-42. Hyaluronan homeostasis and its role in pain and muscle stiffness. PM and R, 2022, 14, 1490-1496.

#	Article	IF	Citations
1369	Hyaluronan and hyalectans: The good, the bad, and the ugly. , 2022, , 165-192.		0
1370	Polysaccharide-based layer-by-layer nanoarchitectonics with sulfated chitosan for tuning anti-thrombogenic properties. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112359.	2.5	9
1371	Chemical Modification of Hyaluronan and Their Biomedical Applications. Frontiers in Chemistry, 2022, 10, 830671.	1.8	30
1372	Nano-Sized Extracellular Matrix Particles Lead to Therapeutic Improvement for Cutaneous Wound and Hindlimb Ischemia. International Journal of Molecular Sciences, 2021, 22, 13265.	1.8	1
1373	Emerging Biopolymerâ€Based Bioadhesives. Macromolecular Bioscience, 2022, 22, e2100340.	2.1	26
1375	Dissolvable and layered microneedles composed of hyaluronate/rbFGF/CPC effectively improve the treatment effect on recurrent aphthous ulcers. New Journal of Chemistry, 2022, 46, 7279-7289.	1.4	2
1377	Chemically and mechanically defined hyaluronan hydrogels emulate the extracellular matrix for unbiased in vivo and in vitro organoid formation and drug testing in cancer. Materials Today, 2022, 56, 96-113.	8.3	9
1378	Loss of REST in breast cancer promotes tumor progression through estrogen sensitization, MMP24 and CEMIP overexpression. BMC Cancer, 2022, 22, 180.	1.1	7
1379	Optimizing the sensitivity and resolution of hyaluronan analysis with solid-state nanopores. Scientific Reports, 2022, 12, 4469.	1.6	13
1380	Inter-Alpha-Trypsin Inhibitor Heavy Chain 4 Plays an Important Role in the Development and Reproduction of Nilaparvata lugens. Insects, 2022, 13, 303.	1.0	2
1381	Thermo-responsive hydrogels from hyaluronic acid functionalized with poly(2-alkyl-2-oxazoline) copolymers with tuneable transition temperature. Polymer, 2022, 244, 124643.	1.8	4
1382	Modulation of Cell-Cycle Progression by Hydrogen Peroxide-Mediated Cross-Linking and Degradation of Cell-Adhesive Hydrogels. Cells, 2022, 11, 881.	1.8	11
1383	Densification: Hyaluronan Aggregation in Different Human Organs. Bioengineering, 2022, 9, 159.	1.6	10
1384	Selective Anticancer Therapy Based on a HA-CD44 Interaction Inhibitor Loaded on Polymeric Nanoparticles. Pharmaceutics, 2022, 14, 788.	2.0	4
1385	Methods for isolating and analyzing physiological hyaluronan: a review. American Journal of Physiology - Cell Physiology, 2022, 322, C674-C687.	2.1	9
1386	Hyaluronic Acid Dermal Filler Promotes Cartilage Reshaping in Rabbit Ears. Aesthetic Plastic Surgery, 2022, 46, 1932-1941.	0.5	1
1387	Development of Tribological Model of Human Fascia: The Influence of Material Hardness and Motion Speed. Biotribology, 2022, 30, 100209.	0.9	3
1388	Expression of Apoptotic Genes after Autotransplantation of Vitrified Rat Ovary Encapsulated with Hyaluronic Acid Hydrogel. Majallah-i DÄnishgÄh-i 'UlÅ«m-i PizishkÄ«-i ĪlÄm, 2021, 29, 12-21.	0.1	Ο

			2
#	ARTICLE	IF	CITATIONS
1389	Identification and antioxidant activity of hyaluronic acid extracted from local isolates of Streptococcus thermophilus. Materials Today: Proceedings, 2022, 60, 1523-1529.	0.9	10
1390	Shock-Induced Damage Mechanism of Perineuronal Nets. Biomolecules, 2022, 12, 10.	1.8	5
1392	Steroid-induced fibroblast growth factors drive an epithelial-mesenchymal inflammatory axis in severe asthma. Science Translational Medicine, 2022, 14, eabl8146.	5.8	2
1397	Advances in modified hyaluronic acid-based hydrogels for skin wound healing. Biomaterials Science, 2022, 10, 3393-3409.	2.6	58
1398	Advances in adhesive hydrogels for tissue engineering. European Polymer Journal, 2022, 172, 111241.	2.6	18
1400	The extracellular matrix in colorectal cancer and its metastatic settling – Alterations and biological implications. Critical Reviews in Oncology/Hematology, 2022, 175, 103712.	2.0	14
1401	Stem Cell-Laden Hydrogel-Based 3D Bioprinting for Bone and Cartilage Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	2.0	18
1402	<scp>2â€kDa</scp> hyaluronan ameliorates human facial wrinkles through increased dermal collagen density related to promotion of collagen remodeling. Journal of Cosmetic Dermatology, 2022, , .	0.8	2
1403	Advanced 3D-Printing Bioinks for Articular Cartilage Repair. International Journal of Bioprinting, 2022, 8, 511.	1.7	15
1404	No association between intravenous fluid volume and endothelial glycocalyx shedding in patients undergoing resuscitation for sepsis in the emergency department. Scientific Reports, 2022, 12, .	1.6	4
1405	Dicarboxylated hyaluronate: Synthesis of a new, highly functionalized and biocompatible derivative. Carbohydrate Polymers, 2022, 292, 119661.	5.1	1
1406	Skin Wound Healing Potential and Antioxidant Effect of Hyaluronic Acid Extracted from Mytilus galloprovincialis and Crassostrea gigas. Pharmaceutical Chemistry Journal, 0, , .	0.3	1
1407	Hyaluronan network: a driving force in cancer progression. American Journal of Physiology - Cell Physiology, 2022, 323, C145-C158.	2.1	8
1408	Selective isolation of hyaluronan by solid phase adsorption to silica. Analytical Biochemistry, 2022, , 114769.	1.1	0
1409	Intraarticularly injectable silk hydrogel microspheres with enhanced mechanical and structural stability to attenuate osteoarthritis. Biomaterials, 2022, 286, 121611.	5.7	24
1412	The effects of intra-articular hyaluronate injections in young (<55 years) patients with glenohumeral joint osteoarthritis. , 2022, 9, 28.		1
1413	Targeting of Glycosaminoglycans in Genetic and Inflammatory Airway Disease. International Journal of Molecular Sciences, 2022, 23, 6400.	1.8	5
1414	Evaluation of different blood tests in dogs with extrahepatic portosystemic shunts to assess shunt closure after surgical treatment. Veterinary Surgery, 0, , .	0.5	2

#	Article	IF	CITATIONS
1415	Hyaluronic Acid-Based Nanomaterials as a New Approach to the Treatment and Prevention of Bacterial Infections. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	10
1416	Modelling the Tumor Microenvironment: Recapitulating Nano- and Micro-Scale Properties that Regulate Tumor Progression. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
1417	Hydrogels for Treatment of Different Degrees of Osteoarthritis. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	11
1418	Treatment of Delayed-onset Inflammatory Reactions to Hyaluronic Acid Filler: An Algorithmic Approach. Plastic and Reconstructive Surgery - Global Open, 2022, 10, e4362.	0.3	11
1419	A composite device for viscosupplementation treatment resistant to degradation by reactive oxygen species and hyaluronidase. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 2595-2611.	1.6	5
1420	Transplantation of layer-by-layer assembled neural stem cells tethered with vascular endothelial growth factor reservoir promotes neurogenesis and angiogenesis after ischemic stroke in mice. Applied Materials Today, 2022, 28, 101548.	2.3	5
1422	Natural Biopolymers as Additional Tools for Cell Microencapsulation Applied to Cellular Therapy. Polymers, 2022, 14, 2641.	2.0	3
1423	Enhanced propagation of Granulicatella adiacens from human oral microbiota by hyaluronan. Scientific Reports, 2022, 12, .	1.6	1
1424	Ultrafast construction of partially hydrogen-bonded metal-hyaluronan networks with multiple biotissue-related features. Carbohydrate Polymers, 2022, 295, 119852.	5.1	5
1425	Insights into the source, mechanism and biotechnological applications of hyaluronidases. Biotechnology Advances, 2022, 60, 108018.	6.0	14
1426	Rheological properties and preclinical data of novel hyaluronic acid filler containing epidermal growth factor. Experimental Dermatology, 0, , .	1.4	2
1427	Hyaluronic Acid-Grafted Bioprosthetic Heart Valves Achieved by Copolymerization Exhibited Improved Anticalcification and Antithrombogenicity. ACS Biomaterials Science and Engineering, 2022, 8, 3399-3410.	2.6	3
1428	Photocurable Methacrylated Silk Fibroin/Hyaluronic Acid Dual Macrocrosslinker System Generating Extracellular Matrixâ€Inspired Tough and Stretchable Hydrogels. Macromolecular Materials and Engineering, 0, , 2200334.	1.7	1
1429	CD44 Glycosylation as a Therapeutic Target in Oncology. Frontiers in Oncology, 0, 12, .	1.3	15
1430	Various Coated Barrier Membranes for Better Guided Bone Regeneration: A Review. Coatings, 2022, 12, 1059.	1.2	3
1431	Effect of Hyaluronic Acid 35 kDa on an In Vitro Model of Preterm Small Intestinal Injury and Healing Using Enteroid-Derived Monolayers. Journal of Visualized Experiments, 2022, , .	0.2	1
1434	Hyaluronic Acid: A Review of the Drug Delivery Capabilities of This Naturally Occurring Polysaccharide. Polymers, 2022, 14, 3442.	2.0	29
1435	Minor Recurrent Aphthous Ulcer Management with Hyaluronic Acid Gel in an Italian Cohort: A Double-Blind Randomized Clinical Trial. BioMed Research International, 2022, 2022, 1-10.	0.9	3

#	Article	IF	CITATIONS
1436	Hyaluronic acid-based nano drug delivery systems for breast cancer treatment: Recent advances. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	12
1438	Hyaluronic Acid: A Valid Therapeutic Option for Early Management of Genitourinary Syndrome of Menopause in Cancer Survivors?. Healthcare (Switzerland), 2022, 10, 1528.	1.0	8
1440	Vocal Fold Augmentation: Current Review. Korean Journal of Otorhinolaryngology-Head and Neck Surgery, 2022, 65, 431-436.	0.0	0
1441	Flotation separation of galena from sphalerite using hyaluronic acid (HA) as an environmental-friendly sphalerite depressant. Minerals Engineering, 2022, 187, 107771.	1.8	8
1442	Hyaluronic acid for periodontal tissue regeneration in intrabony defects. A systematic review , 2022, 2, 100057.		2
1443	Modelling intramuscular drug fate in vitro with tissue-relevant biomimetic hydrogels. International Journal of Pharmaceutics: X, 2022, 4, 100125.	1.2	4
1444	Responsive Hyaluronic Acid–Ethylacrylamide Microgels Fabricated Using Microfluidics Technique. Gels, 2022, 8, 588.	2.1	3
1445	Emerging nanomedicines strategies focused on tumor microenvironment against cancer recurrence and metastasis. Chemical Engineering Journal, 2023, 452, 139506.	6.6	13
1446	Absorption, metabolism, and functions of hyaluronic acid and its therapeutic prospects in combination with microorganisms: A review. Carbohydrate Polymers, 2023, 299, 120153.	5.1	12
1447	Fabrication and characterization of methylprednisolone-loaded polylactic acid/hyaluronic acid nanofibrous scaffold for soft tissue engineering. Journal of Industrial Textiles, 2022, 52, 152808372211165.	1.1	1
1448	Characterization of a Hyaluronidase-Producing Bacillus sp. CQMU-D Isolated from Soil. Current Microbiology, 2022, 79, .	1.0	2
1449	Tendon injections – upper extremity. Skeletal Radiology, 2023, 52, 979-990.	1.2	0
1450	The lymphatic vascular system: much more than just a sewer. Cell and Bioscience, 2022, 12, .	2.1	8
1451	Transforming Growth Factor-β Receptor–Mediated, p38 Mitogen-Activated Protein Kinase–Dependent Signaling Drives Enhanced Myofibroblast Differentiation during Skin Wound Healing in Mice Lacking Hyaluronan Synthases 1 and 3. American Journal of Pathology, 2022, 192, 1683-1698.	1.9	3
1452	Safety and efficacy of a new hydrogel based on hyaluronic acid as cosmeceutical for xerosis. Journal of Cosmetic Dermatology, 2022, 21, 6840-6849.	0.8	3
1453	Application of Nano-Inspired Scaffolds-Based Biopolymer Hydrogel for Bone and Periodontal Tissue Regeneration. Polymers, 2022, 14, 3791.	2.0	11
1454	Ischemic Preconditioning Alleviates Cerebral Ischemia–Reperfusion Injury by Interfering With Glycocalyx. Translational Stroke Research, 0, , .	2.3	2
1455	The most promising microneedle device: present and future of hyaluronic acid microneedle patch. Drug Delivery, 2022, 29, 3087-3110.	2.5	15

#	Article	IF	CITATIONS
1456	Hyaluronan Metabolism and Tumor Progression. Russian Journal of Bioorganic Chemistry, 2022, 48, 896-905.	0.3	0
1457	Functional substitution of zona pellucida with modified sodium hyaluronate gel in human embryos. Journal of Assisted Reproduction and Genetics, 0, , .	1.2	0
1459	Role of hyaluronic acid in periodontal therapy (Review). Biomedical Reports, 2022, 17, .	0.9	5
1460	Strategies for the drug discovery and development of taxane anticancer therapeutics. Expert Opinion on Drug Discovery, 2022, 17, 1193-1207.	2.5	6
1461	Encapsulation of MSCs and GDNF in an Injectable Nanoreinforced Supramolecular Hydrogel for Brain Tissue Engineering. Biomacromolecules, 2022, 23, 4629-4644.	2.6	6
1462	Loss of the repressor REST affects progesterone receptor function and promotes uterine leiomyoma pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	3
1463	Hyaluronic Acid Scaffolds for Loco-Regional Therapy in Nervous System Related Disorders. International Journal of Molecular Sciences, 2022, 23, 12174.	1.8	8
1464	Key Role of Hyaluronan Metabolism for the Development of Brain Metastases in Triple-Negative Breast Cancer. Cells, 2022, 11, 3275.	1.8	4
1465	Importance of Heparan Sulfate Proteoglycans in Pancreatic Islets and β-Cells. International Journal of Molecular Sciences, 2022, 23, 12082.	1.8	1
1466	Pathophysiological and Therapeutic Roles of Fascial Hyaluronan in Obesity-Related Myofascial Disease. International Journal of Molecular Sciences, 2022, 23, 11843.	1.8	4
1467	Rheological, Surface Tension and Conductivity Insights on the Electrospinnability of Poly(lactic-co-glycolic acid)-hyaluronic Acid Solutions and Their Correlations with the Nanofiber Morphological Characteristics. Polymers, 2022, 14, 4411.	2.0	2
1468	Bioactive Saponins of <i>Primula vulgaris</i> Huds. Promote Wound Healing through Inhibition of Collagenase and Elastase Enzymes: <i>in Vivo</i> , <i>in Vitro</i> and <i>in Silico</i> Evaluations. Chemistry and Biodiversity, 2022, 19, .	1.0	3
1469	Comparison of the Efficacy of HYAFF11 Mesh with Collagen Membranes in Guided Bone Regeneration. Journal of Biomaterials and Tissue Engineering, 2022, 12, 2293-2299.	0.0	0
1470	Cyanoacrylate and hyaluronic acid combination on palatal donor site management after deâ€epithelialized graft harvesting. Journal of Periodontology, 2023, 94, 519-528.	1.7	4
1471	Platinum oordinated Dualâ€Responsive Nanogels for Universal Drug Delivery and Combination Cancer Therapy. Small, 2022, 18, .	5.2	12
1472	Hyaluronan nanoscale clustering and Hyaluronan synthase 2 expression are linked to the invasion of child fibroblasts and infantile fibrosarcoma in vitro and in vivo. Scientific Reports, 2022, 12, .	1.6	1
1473	Interpenetrating Low-Molecular Weight Hyaluronic Acid in Hyaluronic Acid-Based In Situ Hydrogel Scaffold for Periodontal and Oral Wound Applications. Polymers, 2022, 14, 4986.	2.0	3
1474	Composite silk fibroin hydrogel scaffolds for cartilage tissue regeneration. Journal of Drug Delivery Science and Technology, 2023, 79, 104018.	1.4	9

#	Article	IF	Citations
1476	A cell adhesion-promoting multi-network 3D printing bio-ink based on natural polysaccharide hydrogel. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	4
1477	Evolution of Cartilage Repair Technology. , 0, , .		0
1478	LIP FILLER WITH HYALURONIC ACID. Health and Society, 2022, 2, 173-196.	0.0	0
1479	Cloning and Biochemical Characterization of a Hyaluronate Lyase from <i>Bacillus</i> sp. CQMU-D. Journal of Microbiology and Biotechnology, 2023, 33, 235-241.	0.9	1
1480	Pharmacokinetic Evaluation of Thermosensitive Sustained Release Formulations Developed for Subcutaneous Delivery of Protein Therapeutics. Journal of Pharmaceutical Sciences, 2022, , .	1.6	0
1481	Cartilage extracellular matrix-derived matrikines in osteoarthritis. American Journal of Physiology - Cell Physiology, 2023, 324, C377-C394.	2.1	9
1482	Anti-Inflammatory Effects of the 35kDa Hyaluronic Acid Fragment (B-HA/HA35). Journal of Inflammation Research, 0, Volume 16, 209-224.	1.6	1
1483	Clinical efficacy of hyaluronic acid in the treatment of periodontal intrabony defect: a systematic review and meta-analysis. Clinical Oral Investigations, 2023, 27, 1923-1935.	1.4	2
1484	Natural polysaccharides: Chemical properties and application in pharmaceutical formulations. European Polymer Journal, 2023, 184, 111801.	2.6	21
1485	Materials for 3D printing in medicine: metals, polymers, ceramics, and hydrogels. , 2023, , 59-103.		0
1486	Establishment and characterization of immortalized human vocal fold fibroblast cell lines. Biotechnology Letters, 2023, 45, 347-355.	1.1	1
1487	†Two-faces' of hyaluronan, a dynamic barometer of disease progression in tumor microenvironment. Discover Oncology, 2023, 14, .	0.8	5
1488	Secretory proteins in the orchestration of microbial virulence: The curious case of Staphylococcus aureus. Advances in Protein Chemistry and Structural Biology, 2023, , 271-350.	1.0	2
1489	Biomaterial-based fibers for enhanced wound healing and effective tissue regeneration. , 2023, , 73-96.		0
1490	In-depth characterization of 1,4-butanediol diglycidyl ether substituted hyaluronic acid hydrogels. Carbohydrate Polymers, 2023, 307, 120611.	5.1	2
1491	Targeted Nanodrugs to Destroy the Tumor Extracellular Matrix Barrier for Improving Drug Delivery and Cancer Therapeutic Efficacy. Molecular Pharmaceutics, 0, , .	2.3	2
1492	The role of the alveolar epithelial glycocalyx in acute respiratory distress syndrome. American Journal of Physiology - Cell Physiology, 2023, 324, C799-C806.	2.1	4
1493	Injectable Hyaluronic Acid Hydrogel Containing Platelet Derivatives for Synovial Fluid Viscosupplementation and Growth Factors Delivery. Macromolecular Bioscience, 2023, 23, .	2.1	3

81

#	Article	IF	CITATIONS
1494	Organogel of Acai Oil in Cosmetics: Microstructure, Stability, Rheology and Mechanical Properties. Gels, 2023, 9, 150.	2.1	3
1496	4-Methylumbeliferone Treatment at a Dose of 1.2 g/kg/Day Is Safe for Long-Term Usage in Rats. International Journal of Molecular Sciences, 2023, 24, 3799.	1.8	2
1497	The extracellular matrix and the immune system: A mutually dependent relationship. Science, 2023, 379, .	6.0	73
1498	Characteristics of Hyaluronic Acid and Its Use in Ocular Surface Diseases Including Dry Eye. Journal of Korean Ophthalmological Society, 2023, 64, 170-183.	0.0	0
1499	HIGH-MOLECULAR-WEIGHT HYALURONAN—A POTENTIAL ADJUVANT TO FLUID RESUSCITATION IN ABDOMINAL SEPSIS?. Shock, 2023, 59, 763-770.	1.0	3
1500	Bioengineering liver tissue by repopulation of decellularised scaffolds. World Journal of Hepatology, 0, 15, 151-179.	0.8	1
1501	https://medcraveonline.com/JSRT/novel-technique-of-aesthetic-skin-rejuvenation-with-cellular-extracted-compound Journal of Stem Cell Research & Therapeutics, 2020, 6, 64-68.	s-enrichec 0.1	l-with-pepti
1502	Different molecular weights of hyaluronan research in knee osteoarthritis: A state-of-the-art review. Matrix Biology, 2023, 117, 46-71.	1.5	4
1503	Size matters: differential property of hyaluronan and its fragments in the skin- relation to pharmacokinetics, immune activity and wound healing. Journal of Pharmaceutical Investigation, 2023, 53, 357-376.	2.7	2
1504	Hyaluronic acid as an alternative treatment option for degenerative rotator cuff tears. Acta Orthopaedica Belgica, 2022, 88, 691-698.	0.1	Ο
1505	Hyaluronic acid as an alternative treatment option for degenerative rotator cuff tears. Acta Orthopaedica Belgica, 2022, 88, 691-698.	0.1	0
1506	Reconstructive Peri-Implantitis Therapy by Using Bovine Bone Substitute with or without Hyaluronic Acid: A Randomized Clinical Controlled Pilot Study. Journal of Functional Biomaterials, 2023, 14, 149.	1.8	5
1507	Impact of hyaluronan size on localization and solubility of the extracellular matrix in the mouse brain. Glycobiology, 2023, 33, 615-625.	1.3	1
1508	Chargeâ€Driven Selfâ€Assembled Microspheres Hydrogel Scaffolds for Combined Drug Delivery and Photothermal Therapy of Diabetic Wounds. Advanced Functional Materials, 2023, 33, .	7.8	10
1509	Biobased materials in drug delivery. , 2023, , 409-445.		0
1511	Tapping on the Potential of Hyaluronic Acid: from Production to Application. Applied Biochemistry and Biotechnology, 0, , .	1.4	0
1512	Oral delivery of RNAi for cancer therapy. Cancer and Metastasis Reviews, 2023, 42, 699-724.	2.7	6
1513	Hyaluronan and Reactive Oxygen Species Signaling—Novel Cues from the Matrix?. Antioxidants, 2023, 12, 824.	2.2	16

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#	Article	IF	CITATIONS
1514	Therapeutic angiogenesis based on injectable hydrogel for protein delivery in ischemic heart disease. IScience, 2023, 26, 106577.	1.9	2
1515	Synergy of <scp>GHK u</scp> and hyaluronic acid on collagen <scp>IV</scp> upregulation via fibroblast and exâ€vivo skin tests. Journal of Cosmetic Dermatology, 0, , .	0.8	1
1516	Carrier diversity and chemical ligations in the toolbox for designing tumor-associated carbohydrate antigens (TACAs) as synthetic vaccine candidates. Chemical Society Reviews, 2023, 52, 3353-3396.	18.7	3
1517	Hyaluronic acid and HA-modified cationic liposomes for promoting skin penetration and retention. Journal of Controlled Release, 2023, 357, 432-443.	4.8	11
1519	Steady state plasma and tissue distribution of low molecular weight hyaluronic acid after oral administration in mice. Natural Product Research, 2024, 38, 773-780.	1.0	2
1525	Hyaluronic Acid-Based Nanotechnologies for Delivery and Treatment. , 2023, , 103-128.		0
1529	The Role of Hyaluronan in Skin Wound Healing. Biology of Extracellular Matrix, 2023, , 189-204.	0.3	0
1540	Liver cell therapies: cellular sources and grafting strategies. Frontiers of Medicine, 2023, 17, 432-457.	1.5	1
1541	The Era of Biomaterials: Smart Implants?. ACS Applied Bio Materials, 2023, 6, 2982-2994.	2.3	1
1543	Das Interstitium. , 2023, , 31-44.		0
1544	Tumor-responsive dynamic nanoassemblies for boosted photoimmunotherapy. Nano Research, 2023, 16, 11125-11138.	5.8	0
1550	Hyaluronic acid-based drug delivery systems for targeted cancer therapy. , 2023, , 257-300.		0
1559	Peptide and protein delivery through cellulose, hyaluronic acid, and heparin. , 2024, , 75-113.		1
1576	Same yet different — how lymph node heterogeneity affects immune responses. Nature Reviews Immunology, 0, , .	10.6	1
1592	Extracellular Matrix to Support Beta Cell Health and Function. , 2023, , 195-220.		0

1592 Extracellular Matrix to Support Beta Cell Health and Function. , 2023, , 195-220.