The role of TIMPs in regulation of extracellular matrix p

Matrix Biology 44-46, 247-254

DOI: 10.1016/j.matbio.2015.03.005

Citation Report

#	Article	IF	CITATIONS
1	Chemical, microbial, and hostâ€related factors: effects on theÂintegrity of dentin and the dentinâ€"biomaterial interface. Endodontic Topics, 2015, 33, 50-72.	0.5	1
2	The Distribution and the Fibrotic Role of Elevated Inflammatory Th17 Cells in Patients With Primary Biliary Cirrhosis. Medicine (United States), 2015, 94, e1888.	0.4	35
3	Active JNK-dependent secretion of Drosophila Tyrosyl-tRNA synthetase by loser cells recruits haemocytes during cell competition. Nature Communications, 2015, 6, 10022.	5.8	38
4	Metalloproteinases: A parade of functions in matrix biology and an outlook for the future. Matrix Biology, 2015, 44-46, 1-6.	1.5	156
5	Aryl Hydrocarbon Receptor Activation by TCDD Modulates Expression of Extracellular Matrix Remodeling Genes during Experimental Liver Fibrosis. BioMed Research International, 2016, 2016, 1-14.	0.9	10
6	Matrix metalloproteinases in cystic fibrosis: pathophysiologic and therapeutic perspectives. Metalloproteinases in Medicine, 0, Volume 3, 49-62.	1.0	3
7	Surgery-Induced Hippocampal Angiotensin II Elevation Causes Blood-Brain Barrier Disruption via MMP/TIMP in Aged Rats. Frontiers in Cellular Neuroscience, 2016, 10, 105.	1.8	51
8	Liver Fibrosis in HCV Monoinfected and HIV/HCV Coinfected Patients: Dysregulation of Matrix Metalloproteinases (MMPs) and Their Tissue Inhibitors TIMPs and Effect of HCV Protease Inhibitors. International Journal of Molecular Sciences, 2016, 17, 455.	1.8	30
9	Neuroprotective Strategies during Cardiac Surgery with Cardiopulmonary Bypass. International Journal of Molecular Sciences, 2016, 17, 1945.	1.8	33
10	Expression of MMP and TIMP mRNA in Peripheral Blood Leukocytes of Patients with Invasive Ductal Carcinoma of the Breast. International Journal of Biological Markers, 2016, 31, 309-316.	0.7	2
11	ECM-Regulator timp Is Required for Stem Cell Niche Organization and Cyst Production in the Drosophila Ovary. PLoS Genetics, 2016, 12, e1005763.	1.5	33
12	MMP-2 Isoforms in Aortic Tissue and Serum of Patients with Ascending Aortic Aneurysms and Aortic Root Aneurysms. PLoS ONE, 2016, 11, e0164308.	1.1	10
13	Low intensity 635 nm diode laser irradiation inhibits fibroblast–myofibroblast transition reducing TRPC1 channel expression/activity: New perspectives for tissue fibrosis treatment. Lasers in Surgery and Medicine, 2016, 48, 318-332.	1.1	48
14	Methylglyoxal and methylglyoxalâ€modified collagen as inducers of cellular injury in gingival connective tissue cells. Journal of Periodontal Research, 2016, 51, 812-821.	1.4	11
15	Lung extracellular matrix and redox regulation. Redox Biology, 2016, 8, 305-315.	3.9	55
16	The In Vitro and In Vivo Response to MMP-Sensitive Poly(Ethylene Glycol) Hydrogels. Annals of Biomedical Engineering, 2016, 44, 1959-1969.	1.3	42
17	Proteinases, Their Extracellular Targets, and Inflammatory Signaling. Pharmacological Reviews, 2016, 68, 1110-1142.	7.1	53
18	Minocycline attenuates cardiac dysfunction in tumor-burdened mice. Journal of Molecular and Cellular Cardiology, 2016, 100, 35-42.	0.9	7

#	Article	IF	CITATIONS
19	Endorepellin-evoked Autophagy Contributes to Angiostasis. Journal of Biological Chemistry, 2016, 291, 19245-19256.	1.6	39
20	Protease Inhibitors in the Interstitial Space. Protein Science Series, 2016, , 271-290.	0.0	0
21	Chronic venous disease – Part II: Proteolytic biomarkers in wound healing. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1900-1908.	1.8	43
22	Neurogenic differentiation factor NeuroD confers protection against radiation-induced intestinal injury in mice. Scientific Reports, 2016, 6, 30180.	1.6	8
23	Matrix Metalloproteinases and Tissue Inhibitor of Metalloproteinases inÂlnflammation and Fibrosis of Skeletal Muscles. Journal of Neuromuscular Diseases, 2016, 3, 455-473.	1.1	72
24	Effects of Medical Chitosan on Capsular Formation Following Silicone Implant Insertion in a Rabbit Model. Aesthetic Plastic Surgery, 2016, 40, 613-624.	0.5	6
25	Inhibitory effect of aminoethyl-chitooligosaccharides on invasion of human fibrosarcoma cells. Environmental Toxicology and Pharmacology, 2016, 45, 309-314.	2.0	13
26	Mechanisms of Lung Fibrosis Resolution. American Journal of Pathology, 2016, 186, 1066-1077.	1.9	100
27	Placental membrane-type metalloproteinases (MT-MMPs): Key players in pregnancy. Cell Adhesion and Migration, 2016, 10, 136-146.	1.1	30
28	TIMP3 regulates osteosarcoma cell migration, invasion, and chemotherapeutic resistances. Tumor Biology, 2016, 37, 8857-8867.	0.8	24
29	Proteases decode the extracellular matrix cryptome. Biochimie, 2016, 122, 300-313.	1.3	63
30	From varices to venous ulceration: the story of chronic venous disease described by metalloproteinases. International Wound Journal, 2017, 14, 233-240.	1.3	36
31	A Dual Role of Upper Zone of Growth Plate and Cartilage Matrix–Associated Protein in Human and Mouse Osteoarthritic Cartilage: Inhibition of Aggrecanases and Promotion of Bone Turnover. Arthritis and Rheumatology, 2017, 69, 1233-1245.	2.9	23
32	Anti-wrinkle effect of fermented black ginseng on human fibroblasts. International Journal of Molecular Medicine, 2017, 39, 681-686.	1.8	31
33	C-type natriuretic peptide suppresses mesangial proliferation and matrix expression via a MMPs/TIMPs-independent pathway in vitro. Journal of Receptor and Signal Transduction Research, 2017, 37, 355-364.	1.3	6
34	A microRNA-mRNA expression network during oral siphon regeneration in Ciona. Development (Cambridge), 2017, 144, 1787-1797.	1.2	16
35	The perlecan-interacting growth factor progranulin regulates ubiquitination, sorting, and lysosomal degradation of sortilin. Matrix Biology, 2017, 64, 27-39.	1.5	26
36	The angiostatic molecule Multimerin 2 is processed by MMP-9 to allow sprouting angiogenesis. Matrix Biology, 2017, 64, 40-53.	1.5	61

#	Article	IF	Citations
37	MMP Activity Detection in Zymograms. Methods in Molecular Biology, 2017, 1626, 53-70.	0.4	26
38	Perineuronal Nets in the Adult Sensory Cortex Are Necessary for Fear Learning. Neuron, 2017, 95, 169-179.e3.	3.8	117
39	Secreted tissue inhibitor of matrix metalloproteinase restricts <i>trans </i> -synaptic signaling to coordinate synaptogenesis. Journal of Cell Science, 2017, 130, 2344-2358.	1.2	15
40	HSV-1 interaction to 3-O-sulfated heparan sulfate in mouse-derived DRG explant and profiles of inflammatory markers during virus infection. Journal of NeuroVirology, 2017, 23, 483-491.	1.0	18
41	Polarized Secretion of Matrix Metalloproteinases and Their Inhibitors by Retinal Pigment Epithelium Derived from Induced Pluripotent Stem Cells During Wound Healing. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 132-140.	0.6	8
42	Matrix metalloproteinases – From the cleavage data to the prediction tools and beyond. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1952-1963.	1.9	39
43	Matrix Metalloproteases as Biomarkers of Disease. Methods in Molecular Biology, 2017, 1579, 299-311.	0.4	7
44	Mucin 4 and matrix metalloproteinase 7 as novel salivary biomarkers for periodontitis. Journal of Clinical Periodontology, 2017, 44, 247-254.	2.3	25
45	The nature and biology of basement membranes. Matrix Biology, 2017, 57-58, 1-11.	1.5	400
46	Identification of candidate biomarkers for epithelial ovarian cancer metastasis using microarray data. Oncology Letters, 2017, 14, 3967-3974.	0.8	33
47	Matrix Metalloproteinases in Bone Resorption, Remodeling, and Repair. Progress in Molecular Biology and Translational Science, 2017, 148, 203-303.	0.9	151
48	Sphingosineâ€1â€phosphate suppresses chondrosarcoma metastasis by upregulation of tissue inhibitor of metalloproteinase 3 through suppressing miRâ€101 expression. Molecular Oncology, 2017, 11, 1380-1398.	2.1	32
49	Intrinsic dynamics study identifies two amino acids of TIMP-1 critical for its LRP-1-mediated endocytosis in neurons. Scientific Reports, 2017, 7, 5375.	1.6	6
50	CCR2 <sup>+</sup> monocytic myeloidâ€derived suppressor cells (Mâ€MDSCs) inhibit collagen degradation and promote lung fibrosis by producing transforming growth factorâ€Î²1. Journal of Pathology, 2017, 243, 320-330.	2.1	44
51	Hypoxia inducible factor- $1\hat{l}$ ± mediates the profibrotic effect of albumin in renal tubular cells. Scientific Reports, 2017, 7, 15878.	1.6	24
52	Inhibition of histone deacetylase 1 ameliorates renal tubulointerstitial fibrosis via modulation of inflammation and extracellular matrix gene transcription in mice. International Journal of Molecular Medicine, 2017, 41, 95-106.	1.8	24
53	Tissue Inhibitor of Metalloprotease-2 (TIMP-2): Bioprocess Development, Physicochemical, Biochemical, and Biological Characterization of Highly Expressed Recombinant Protein. Biochemistry, 2017, 56, 6423-6433.	1.2	19
54	Reperfusion therapy—What's with the obstructed, leaky and broken capillaries?. Pathophysiology, 2017, 24, 213-228.	1.0	48

#	Article	IF	Citations
55	Nintedanib, a triple tyrosine kinase inhibitor, attenuates renal fibrosis in chronic kidney disease. Clinical Science, 2017, 131, 2125-2143.	1.8	52
56	Reduced collagen accumulation and augmented MMP-2 activity in left ventricle of old rats submitted to high-intensity resistance training. Journal of Applied Physiology, 2017, 123, 655-663.	1.2	13
57	Lung remodeling associated with recovery from acute lung injury. Cell and Tissue Research, 2017, 367, 495-509.	1.5	32
58	The multifaceted role of metalloproteinases in physiological and pathological conditions in embryonic and adult brains. Progress in Neurobiology, 2017, 155, 36-56.	2.8	34
59	A current view of perlecan in physiology and pathology: A mosaic of functions. Matrix Biology, 2017, 57-58, 285-298.	1.5	148
60	Temporal analysis of blood–brain barrier disruption and cerebrospinal fluid matrix metalloproteinases in rhesus monkeys subjected to transient ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2963-2974.	2.4	28
61	Metaloproteinasa de la matriz 9 cervicovaginal en el segundo trimestre para la predicción de parto pretérmino. Perinatologia Y Reproduccion Humana, 2017, 31, 10-15.	0.0	1
62	Honokiol Alleviates Hypertrophic Scar by Targeting Transforming Growth Factor- $\hat{l}^2$ /Smad2/3 Signaling Pathway. Frontiers in Pharmacology, 2017, 8, 206.	1.6	26
63	Detection of Pathological Changes in the Aorta during Thoracic Aortic Aneurysm Progression on Molecular Level. Disease Markers, 2017, 2017, 1-11.	0.6	8
64	Biological Activity and Implications of the Metalloproteinases in Diabetic Foot Ulcers. , 2017, , .		1
65	Dissecting the Role of the Extracellular Matrix in Heart Disease: Lessons from the Drosophila Genetic Model. Veterinary Sciences, 2017, 4, 24.	0.6	23
66	Narrowband ultraviolet B light treatment changes plasma concentrations of MMP-3, MMP-9 and TIMP-3 in psoriatic patients. Therapeutics and Clinical Risk Management, 2017, Volume 13, 575-582.	0.9	4
67	Liverâ€"Structure and Microanatomy. , 2018, , .		0
68	Extracellular Matrix Regulation and Dysregulation in Exfoliation Syndrome. Journal of Glaucoma, 2018, 27, S24-S28.	0.8	11
69	Endothelial progenitor cells contribute to neovascularization of nonâ€small cell lung cancer ⟨i⟩via⟨ i⟩ histone deacetylase 7â€mediated cytoskeleton regulation and angiogenic genes transcription. International Journal of Cancer, 2018, 143, 657-667.	2.3	15
70	Tuberculosis and lung damage: from epidemiology to pathophysiology. European Respiratory Review, 2018, 27, 170077.	3.0	279
71	Therapeutic approaches to control tissue repair and fibrosis: Extracellular matrix as a game changer. Matrix Biology, 2018, 71-72, 205-224.	1.5	147
72	Macromolecule-Network Electrostatics Controlling Delivery of the Biotherapeutic Cell Modulator TIMP-2. Biomacromolecules, 2018, 19, 1285-1293.	2.6	9

#	ARTICLE	IF	Citations
73	Does the dysregulation of matrix metalloproteinases contribute to recurrent implantation failure?. Expert Review of Proteomics, 2018, 15, 311-323.	1.3	14
74	Molecular and tissue alterations of collagens in fibrosis. Matrix Biology, 2018, 68-69, 122-149.	1.5	108
75	Regulation of fibrosis in muscular dystrophy. Matrix Biology, 2018, 68-69, 602-615.	1.5	87
76	Nanofibrous peptide hydrogel elicits angiogenesis and neurogenesis without drugs, proteins, or cells. Biomaterials, 2018, 161, 154-163.	5.7	94
77	The epitope-mediated MMP activation assay: detection and quantification of the activation of Mmp2 in vivo in the zebrafish embryo. Histochemistry and Cell Biology, 2018, 149, 277-286.	0.8	12
78	Serum MMP-9 Diagnostics, Prognostics, and Activation in Acute Coronary Syndrome and Its Recurrence. Journal of Cardiovascular Translational Research, 2018, 11, 210-220.	1.1	45
79	Age-related lung tissue remodeling due to the local distribution of MMP-2, TIMP-2, TGF- $\hat{l}^2$ and Hsp70. Biotechnic and Histochemistry, 2018, 93, 239-248.	0.7	9
80	<i>In vitro</i> characterization of cutaneous immunotoxicity of immortalized human keratinocytes (HaCaT) exposed to reactive and disperse textile dyes. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 589-603.	1.1	7
81	Tryptophan photo-product FICZ upregulates AHR/MEK/ERK-mediated MMP1 expression: Implications in anti-fibrotic phototherapy. Journal of Dermatological Science, 2018, 91, 97-103.	1.0	23
82	Cerebrovascular inflammation is associated with tau pathology in Guam parkinsonism dementia. Journal of Neural Transmission, 2018, 125, 1013-1025.	1.4	13
83	Matrix metalloproteinases in emphysema. Matrix Biology, 2018, 73, 34-51.	1.5	79
84	Fermented non-digestible fraction from combined nixtamalized corn (Zea mays L.)/cooked common bean (Phaseolus vulgaris L.) chips modulate anti-inflammatory markers on RAW 264.7 macrophages. Food Chemistry, 2018, 259, 7-17.	4.2	23
85	Transforming growth factorâ€Î², matrix metalloproteinases, and urokinaseâ€ŧype plasminogen activator interaction in the cancer epithelial to mesenchymal transition. Developmental Dynamics, 2018, 247, 382-395.	0.8	64
86	Organotypic three-dimensional assays based on human leiomyoma–derived matrices. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160482.	1.8	26
87	Mesenchymal Stromal Cells from the Maternal Segment of Human Umbilical Cord is Ideal for Bone Regeneration in Allogenic Setting. Tissue Engineering and Regenerative Medicine, 2018, 15, 75-87.	1.6	27
88	The presence of minocycline in the tear film of normal horses following oral administration and its anticollagenase activity. Veterinary Ophthalmology, 2018, 21, 58-65.	0.6	11
89	Age-Related Dynamics of the Content of Matrix Metalloproteinases (MMP-1, -2, -3, and -9) and Tissue Inhibitors of Matrix Metalloproteinases (TIMP-1, -2, and -4) in Blood Plasma of Residents of the European Part of Russia's Arctic Zone. Advances in Gerontology, 2018, 8, 339-346.	0.1	4
90	Angiotensin II: a key mediator in the development of liver fibrosis and cancer. Bulletin of the National Research Centre, 2018, 42, .	0.7	22

#	Article	IF	CITATIONS
91	Maternal cardiac messenger RNA expression of extracellular matrix proteins in mice during pregnancy and the postpartum period. Experimental Biology and Medicine, 2018, 243, 1220-1232.	1.1	8
92	ROC analysis of selected matrix metalloproteinases (MMPs) and tissue inhibitors of metalloproteinases (TIMPs) in psoriatic patients. Postepy Dermatologii I Alergologii, 2018, 35, 167-173.	0.4	7
93	miR-222-3p promotes osteosarcoma cell migration and invasion through targeting TIMP3. OncoTargets and Therapy, 2018, Volume 11, 8643-8653.	1.0	22
94	Microgravity Affects Thyroid Cancer Cells during the TEXUS-53 Mission Stronger than Hypergravity. International Journal of Molecular Sciences, 2018, 19, 4001.	1.8	19
95	Oxymatrine alleviates periodontitis in rats by inhibiting inflammatory factor secretion and regulating MMPs/TIMP protein expression. Acta Cirurgica Brasileira, 2018, 33, 945-953.	0.3	9
96	Impact of MMP-2 and MMP-9 enzyme activity on wound healing, tumor growth and RACPP cleavage. PLoS ONE, 2018, 13, e0198464.	1.1	38
97	Metalloproteinases in disease: identification of biomarkers of tissue damage through proteomics. Expert Review of Proteomics, 2018, 15, 967-982.	1.3	13
98	The congenital clubfoot – immunohistological analysis of the extracellular matrix. Orthopedic Research and Reviews, 2018, Volume 10, 55-62.	0.7	4
99	Overexpression of Myosin Phosphatase Target Subunit 1 (MYPT1) Inhibits Tumor Progression and Metastasis of Gastric Cancer. Medical Science Monitor, 2018, 24, 2508-2517.	0.5	8
100	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. Chemical Reviews, 2018, 118, 9152-9232.	23.0	253
101	Development of a vitrification method for preserving human myoblast cell sheets for myocardial regeneration therapy. BMC Biotechnology, 2018, 18, 56.	1.7	21
103	Inflammation in the pleural cavity following injection of multi-walled carbon nanotubes is dependent on their characteristics and the presence of IL-1 genes. Nanotoxicology, 2018, 12, 522-538.	1.6	12
104	Extracellular Matrix Macromolecules as Potential Targets of Cardiovascular Pharmacotherapy. Advances in Pharmacology, 2018, 81, 209-240.	1.2	3
105	Endorepellin remodels the endothelial transcriptome toward a pro-autophagic and pro-mitophagic gene signature. Journal of Biological Chemistry, 2018, 293, 12137-12148.	1.6	19
106	Inhibitor of lysyl oxidase improves cardiac function and the collagen/MMP profile in response to volume overload. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H463-H473.	1.5	29
107	Leading-Edge Approaches for InÂVitro Hepatotoxicity Evaluation. , 2018, , 651-712.		0
108	Dentinogenic effects of extracted dentin matrix components digested with matrix metalloproteinases. Scientific Reports, 2018, 8, 10690.	1.6	34
109	Delivery of a matrix metalloproteinase-responsive hydrogel releasing TIMP-3 after myocardial infarction: effects on left ventricular remodeling. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H814-H825.	1.5	44

#	Article	IF	CITATIONS
110	Integrin $\hat{l}\pm2\hat{l}^21$ Expression Regulates Matrix Metalloproteinase-1-Dependent Bronchial Epithelial Repair in Pulmonary Tuberculosis. Frontiers in Immunology, 2018, 9, 1348.	2.2	9
111	Shaping Synapses by the Neural Extracellular Matrix. Frontiers in Neuroanatomy, 2018, 12, 40.	0.9	130
112	The Many Facets of Metzincins and Their Endogenous Inhibitors: Perspectives on Ovarian Cancer Progression. International Journal of Molecular Sciences, 2018, 19, 450.	1.8	13
113	Differential expression of cyclosporine A-Induced calcineurin isoform-specific matrix metalloproteinase 9 (MMP-9) in renal fibroblasts. Biochemical and Biophysical Research Communications, 2018, 503, 2549-2554.	1.0	8
114	Reduction in <scp>TIMP</scp> â€2 serum levels predicts remission of inflammatory bowel diseases. European Journal of Clinical Investigation, 2018, 48, e13002.	1.7	13
115	Lung tissue destruction by proteinase 3 and cathepsin G mediated elastin degradation is elevated in chronic obstructive pulmonary disease. Biochemical and Biophysical Research Communications, 2018, 503, 1284-1290.	1.0	29
116	PPARÎ <sup>3</sup> Agonist PGZ Attenuates OVA-Induced Airway Inflammation and Airway Remodeling via RGS4 Signaling in Mouse Model. Inflammation, 2018, 41, 2079-2089.	1.7	13
117	Mechanobiology of skin diseases and wound healing. , 2018, , 415-448.		6
118	Rosmarinic acid influences collagen, MMPs, TIMPs, glycosylation and MUC1 in CRL-1739 gastric cancer cell line. Biomedicine and Pharmacotherapy, 2018, 107, 397-407.	2.5	25
119	Surgical repair of abdominal wall defect with biomimetic nano/microfibrous hybrid scaffold. Materials Science and Engineering C, 2018, 93, 828-837.	3.8	11
120	Graphene–Dendrimer Nanostars for Targeted Macrophage Overexpression of Metalloproteinase 9 and Hepatic Fibrosis Precision Therapy. Nano Letters, 2018, 18, 5839-5845.	4.5	40
121	Association of tissue inhibitor of metalloproteinase 2 with non-alcoholic fatty liver disease in metabolic syndrome. Archives of Physiology and Biochemistry, 2019, 125, 441-446.	1.0	4
122	Reflections on the evolution of the vertebrate tissue inhibitors of metalloproteinases. FASEB Journal, 2019, 33, 71-87.	0.2	12
123	Matrix modeling and remodeling: A biological interplay regulating tissue homeostasis and diseases. Matrix Biology, 2019, 75-76, 1-11.	1.5	184
124	Does cartilage $\text{ER}\hat{\textbf{l}}\pm$ overexpression correlate with osteoarthritic chondrosenescence? Indications from Labisia pumila OA mitigation. Journal of Biosciences, 2019, 44, 1.	0.5	3
125	Skeletal muscle: A review of molecular structure and function, in health and disease. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2020, 12, e1462.	6.6	262
126	Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. Scientific Reports, 2019, 9, 11882.	1.6	43
127	TIMP-3 as a therapeutic target for cancer. Therapeutic Advances in Medical Oncology, 2019, 11, 175883591986424.	1.4	68

#	Article	IF	CITATIONS
128	An Insight into COPD Morphopathogenesis: Chronic Inflammation, Remodeling, and Antimicrobial Defense. Medicina (Lithuania), 2019, 55, 496.	0.8	9
129	Plasma levels of C-reactive protein, matrix metalloproteinase-7 and lipopolysaccharide-binding protein distinguish active pulmonary or extrapulmonary tuberculosis from uninfected controls in children. Cytokine, 2019, 123, 154773.	1.4	18
130	Is there any potential anticancer effect of raloxifene and fluoxetine on DMBAâ€induced rat breast cancer?. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22371.	1.4	8
131	Liraglutide protects high-glucose-stimulated fibroblasts by activating the CD36-JNK-AP1 pathway to downregulate P4HA1. Biomedicine and Pharmacotherapy, 2019, 118, 109224.	2.5	17
132	Matrix metalloproteinase-2: Not (just) a "hero―of the past. Biochimie, 2019, 166, 223-232.	1.3	48
133	Inhibitory Antibodies Designed for Matrix Metalloproteinase Modulation. Molecules, 2019, 24, 2265.	1.7	37
134	CRN2 binds to TIMP4 and MMP14 and promotes perivascular invasion of glioblastoma cells. European Journal of Cell Biology, 2019, 98, 151046.	1.6	9
135	Plasma Levels and Tissue Expression of Selected Cytokines, Metalloproteinases and Tissue Inhibitors in Patients With Cervical Cancer. Anticancer Research, 2019, 39, 6403-6412.	0.5	10
136	TIMP3 expression associates with prognosis in colorectal cancer and its novel arylsulfonamide inducer, MPT0B390, inhibits tumor growth, metastasis and angiogenesis. Theranostics, 2019, 9, 6676-6689.	4.6	24
137	Tissue inhibitor of metalloproteinase-2 (TIMP-2) from red seabream (Pagrus major): Molecular cloning and biochemical characterization of highly expressed recombinant protein. Fish and Shellfish Immunology, 2019, 95, 556-563.	1.6	10
138	Matrisome Properties of Scaffolds Direct Fibroblasts in Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2019, 20, 4013.	1.8	35
139	Functional disparities within the TIMP family in cancer: hints from molecular divergence. Cancer and Metastasis Reviews, 2019, 38, 469-481.	2.7	41
140	Effects of a natural multiâ€'component compound formulation on the growth, morphology and extracellular matrix production of human adult dermal fibroblasts. Experimental and Therapeutic Medicine, 2019, 18, 2639-2647.	0.8	0
141	A novel miRNA-4484 is up-regulated on microarray and associated with increased MMP-21 expression in serum of systemic sclerosis patients. Scientific Reports, 2019, 9, 14264.	1.6	14
143	Immune biomarkers in maternal plasma to identify histologic chorioamnionitis in women with preterm labor. Archives of Gynecology and Obstetrics, 2019, 299, 725-732.	0.8	17
144	<p>KDR inferred haplotype is associated with upper limb dysfunction in breast cancer survivors of mixed ancestry</p> . Cancer Management and Research, 2019, Volume 11, 3829-3845.	0.9	4
145	<p>The role of tissue inhibitors of metalloproteinases in microvascular endothelial cell barrier dysfunction during sepsis</p> . Metalloproteinases in Medicine, 0, Volume 6, 1-12.	1.0	4
146	Application of nintedanib and other potential anti-fibrotic agents in fibrotic diseases. Clinical Science, 2019, 133, 1309-1320.	1.8	26

#	Article	IF	Citations
147	Scaffolds for epithelial and hair follicle regeneration. , 2019, , 211-236.		1
148	Impact of diet on the persistence of early vascular remodeling and stiffening induced by intrauterine growth restriction and a maternal high-fat diet. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H424-H433.	1.5	7
149	Infiltrating CCR2+ monocytes and their progenies, fibrocytes, contribute to colon fibrosis by inhibiting collagen degradation through the production of TIMP-1. Scientific Reports, 2019, 9, 8568.	1.6	34
150	RNA sequencing reveals MMP2 and TGFB1 downregulation in LRRK2 G2019S Parkinson's iPSC-derived astrocytes. Neurobiology of Disease, 2019, 129, 56-66.	2.1	55
151	Activated Fibroblast Program Orchestrates Tumor Initiation and Progression; Molecular Mechanisms and the Associated Therapeutic Strategies. International Journal of Molecular Sciences, 2019, 20, 2256.	1.8	97
152	The Role of Tissue Inhibitors of Metalloproteinases in Organ Development and Regulation of ADAMTS Family Metalloproteinases in <i>Caenorhabditis elegans</i>	1.2	7
153	Association of Circulating Tissue Inhibitor of Metalloproteinasesâ€1 and Procollagen Type III Aminoterminal Peptide Levels With Incident Heart Failure and Chronic Kidney Disease. Journal of the American Heart Association, 2019, 8, e011426.	1.6	19
154	An extract from Myracrodruon urundeuva inhibits matrix mineralization in human osteoblasts. Journal of Ethnopharmacology, 2019, 237, 192-201.	2.0	10
155	Inhibition of MMPs and ADAM/ADAMTS. Biochemical Pharmacology, 2019, 165, 33-40.	2.0	121
156	Glycosaminoglycans influence enzyme activity of MMP2 and MMP2/TIMP3 complex formation - Insights at cellular and molecular level. Scientific Reports, 2019, 9, 4905.	1.6	25
157	Smoking Dependent Alterations in Bone Formation and Inflammation Represent Major Risk Factors for Complications Following Total Joint Arthroplasty. Journal of Clinical Medicine, 2019, 8, 406.	1.0	28
158	Association of TIMP4 gene variants with steroid-induced osteonecrosis of the femoral head in the population of northern China. Peerl, 2019, 7, e6270.	0.9	4
159	Divergent proteomics response of Apostichopus japonicus suffering from skin ulceration syndrome and pathogen infection. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 196-205.	0.4	7
160	Matrix metalloproteinase-dependent regulation of extracellular matrix shapes the structure of sexually differentiating mouse gonads. Differentiation, 2019, 106, 23-34.	1.0	8
161	Chronic Intermittent Ethanol Exposure Induces Upregulation of Matrix Metalloproteinase-9 in the Rat Medial Prefrontal Cortex and Hippocampus. Neurochemical Research, 2019, 44, 1593-1601.	1.6	8
162	A complex of novel protease inhibitor, ovostatin homolog, with its cognate proteases in immature mice uterine luminal fluid. Scientific Reports, 2019, 9, 4973.	1.6	1
163	Molecular changes to tendons after collagenase-induced acute tendon injury in a senescence-accelerated mouse model. BMC Musculoskeletal Disorders, 2019, 20, 120.	0.8	15
164	Extracellular Matrix Composition and Remodeling: Current Perspectives on Secondary Palate Formation, Cleft Lip/Palate, and Palatal Reconstruction. Frontiers in Cell and Developmental Biology, 2019, 7, 340.	1.8	23

#	Article	IF	CITATIONS
165	Netarsudil and latanoprost ophthalmic solution for the reduction of intraocular pressure in open-angle glaucoma or ocular hypertension. Expert Review of Clinical Pharmacology, 2019, 12, 1073-1079.	1.3	3
166	Comparative analyses of long non-coding RNA profiles in vivo in cystic fibrosis lung airway and parenchyma tissues. Respiratory Research, 2019, 20, 284.	1.4	7
167	Salacia chinensis L. Stem Extract Exerts Antifibrotic Effects on Human Hepatic Stellate Cells through the Inhibition of the TGF-Î <sup>2</sup> 1-Induced SMAD2/3 Signaling Pathway. International Journal of Molecular Sciences, 2019, 20, 6314.	1.8	9
168	Intra-lineage Plasticity and Functional Reprogramming Maintain Natural Killer Cell Repertoire Diversity. Cell Reports, 2019, 29, 2284-2294.e4.	2.9	33
169	Insulin-like growth factor (IGF)-II- mediated fibrosis in pathogenic lung conditions. PLoS ONE, 2019, 14, e0225422.	1.1	27
170	Mapping Keratoconus Molecular Substrates by Multiplexed High-Resolution Proteomics of Unpooled Corneas. OMICS A Journal of Integrative Biology, 2019, 23, 583-597.	1.0	19
171	Proteostasis in Cerebral Small Vessel Disease. Frontiers in Neuroscience, 2019, 13, 1142.	1.4	7
172	Paralogues of Mmp11 and Timp4 Interact during the Development of the Myotendinous Junction in the Zebrafish Embryo. Journal of Developmental Biology, 2019, 7, 22.	0.9	9
173	Recent advances in understanding the roles of matrix metalloproteinases in tumour invasion and metastasis. Journal of Pathology, 2019, 247, 629-640.	2.1	127
174	$ ext{M$\tilde{A}$}^{1}\!\!$ /aller cells in pathological retinal angiogenesis. Translational Research, 2019, 207, 96-106.	2.2	20
175	Down-regulation of JMJD5 suppresses metastasis and induces apoptosis in oral squamous cell carcinoma by regulating p53/NF-κB pathway. Biomedicine and Pharmacotherapy, 2019, 109, 1994-2004.	2.5	35
176	Quantification of adherens junction disruption and contiguous paracellular protein leak in human lung endothelial cells under septic conditions. Microcirculation, 2019, 26, e12528.	1.0	5
177	Drug Design Inspired by Nature: Crystallographic Detection of an Autoâ€Tailored Protease Inhibitor Template. Angewandte Chemie - International Edition, 2019, 58, 4051-4055.	7.2	13
178	Effects of IL- $1\hat{l}^2$ on MMP-9 Expression in Cementoblast-Derived Cell Line and MMP-Mediated Degradation of Type I Collagen. Inflammation, 2019, 42, 413-425.	1.7	23
179	Von der Natur inspiriertes Wirkstoffdesign: kristallographische Detektion eines selbstgenerierten Inhibitorâ€Grundgerüsts. Angewandte Chemie, 2019, 131, 4091-4096.	1.6	3
180	Novel Biomarkers for the Precisive Diagnosis and Activity Classification of Takayasu Arteritis. Circulation Genomic and Precision Medicine, 2019, 12, e002080.	1.6	13
181	Mechanisms for the Resolution of Organ Fibrosis. Physiology, 2019, 34, 43-55.	1.6	78
182	Recognizing the Molecular Multifunctionality and Interactome of TIMP-1. Trends in Cell Biology, 2019, 29, 6-19.	3.6	107

#	Article	IF	CITATIONS
183	Understanding cardiac extracellular matrix remodeling to develop biomarkers of myocardial infarction outcomes. Matrix Biology, 2019, 75-76, 43-57.	1.5	106
184	Predictive Value of Matrix Metalloproteinases and Their Inhibitors for Mortality in Septic Patients: A Cohort Study. Journal of Intensive Care Medicine, 2020, 35, 95-103.	1.3	11
185	Increased matrix metalloproteinases expression in tuberous sclerosis complex: modulation by microRNA 146a and 147b <i>in vitro</i> ). Neuropathology and Applied Neurobiology, 2020, 46, 142-159.	1.8	17
186	Degradome of soluble ADAM10 and ADAM17 metalloproteases. Cellular and Molecular Life Sciences, 2020, 77, 331-350.	2.4	46
187	Zinc Deficiency Induces Oxidative Damage and Causes Spleen Fibrosis. Biological Trace Element Research, 2020, 194, 203-209.	1.9	10
188	Role of proteases in dysfunctional placental vascular remodelling in preeclampsia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165448.	1.8	11
189	Tissue Inhibitor of Metalloproteinase 3 Deficiency Disrupts the Hepatocyte Eâ€Cadherin/βâ€Catenin Complex and Induces Cell Death in Liver Ischemia/Reperfusion Injury. Liver Transplantation, 2020, 26, 113-126.	1.3	14
190	Evaluation of metalloproteinases-2, -9, and -13 post photobiomodulation in mice talocrural joint. Lasers in Medical Science, 2020, 35, 633-640.	1.0	4
191	A bioengineered living cell construct activates metallothionein/zinc/MMP8 and inhibits TGF < b > $\hat{l}^2$ to stimulate remodeling of fibrotic venous leg ulcers. Wound Repair and Regeneration, 2020, 28, 164-176.	1.5	18
192	Inflammatory Cell Differentiation and Chemotaxis and Extracellular Tissue Repair Markers Are Correlated with Pulmonary Dysfunction in HIV Infected Individuals Presenting with Community-Acquired Pneumonia. Journal of Interferon and Cytokine Research, 2020, 40, 106-115.	0.5	3
193	Collagen receptor- and metalloproteinase-dependent hypertensive stress response in mesangial and glomerular endothelial cells. Molecular and Cellular Biochemistry, 2020, 466, 1-15.	1.4	4
194	Tissue inhibitor of matrix metalloproteinase-3 has both anti-metastatic and anti-tumourigenic properties. Clinical and Experimental Metastasis, 2020, 37, 69-76.	1.7	14
195	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165582.	1.8	12
196	The Diverse Roles of TIMP-3: Insights into Degenerative Diseases of the Senescent Retina and Brain. Cells, 2020, 9, 39.	1.8	25
197	Roles of Biomarkers in Myocardial Fibrosis. , 2020, 11, 1157.		27
198	EEF1A2 triggers stronger ERK mediated metastatic program in ER negative breast cancer cells than in ER positive cells. Life Sciences, 2020, 262, 118553.	2.0	11
199	Expression of Matrix Metalloproteinases and Their Tissue Inhibitors in Peripheral Blood Leukocytes and Plasma of Children with Nonalcoholic Fatty Liver Disease. Mediators of Inflammation, 2020, 2020, 1-14.	1.4	7
200	The Role of Matrix Metalloproteinase-9 in Atherosclerotic Plaque Instability. Mediators of Inflammation, 2020, 2020, 1-13.	1.4	67

#	Article	IF	CITATIONS
201	Differential gene expression in skin RNA of horses affected with degenerative suspensory ligament desmitis. Journal of Orthopaedic Surgery and Research, 2020, 15, 460.	0.9	7
202	Apatinib Inhibits the Invasion and Metastasis of Liver Cancer Cells by Downregulating MMP-Related Proteins via Regulation of the NF- <i>κ</i> B Signaling Pathway. BioMed Research International, 2020, 2020, 1-9.	0.9	8
203	Pregnancy-associated Inflammatory Myofibroblastic Tumors of the Uterus Are Clinically Distinct and Highly Enriched for TIMP3-ALK and THBS1-ALK Fusions. American Journal of Surgical Pathology, 2020, 44, 970-981.	2.1	29
204	Matrix Metalloproteinases (MMPs) and Diabetic Foot: Pathophysiological Findings and Recent Developments in Their Inhibitors of Natural as well as Synthetic Origin. , 2020, , .		2
205	Concerted actions by MMPs, ADAMTS and serine proteases during remodeling of the cartilage callus into bone during osseointegration of hip implants. Bone Reports, 2020, 13, 100715.	0.2	4
206	Selected Matrix Metalloproteinases (MMP-2, MMP-7) and Their Inhibitor (TIMP-2) in Adult and Pediatric Cancer. Diagnostics, 2020, 10, 547.	1.3	22
207	The regulation of trophoblast invasion and decidual reaction by matrix metalloproteinaseâ€2, metalloproteinaseâ€7, and metalloproteinaseâ€9 expressions in the rat endometrium. Reproductive Medicine and Biology, 2020, 19, 385-397.	1.0	13
208	<i>Salvia miltiorrhiza</i> Injection Alleviates LPS-Induced Acute Lung Injury by Adjusting the Balance of MMPs/TIMPs Ratio. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-11.	0.5	1
209	GNS561 acts as a potent anti-fibrotic and pro-fibrolytic agent in liver fibrosis through TGF- $\hat{l}^21$ inhibition. Therapeutic Advances in Chronic Disease, 2020, 11, 204062232094204.	1.1	9
210	Reactive Oxygen Species and Oxidative Stress in the Pathogenesis and Progression of Genetic Diseases of the Connective Tissue. Antioxidants, 2020, 9, 1013.	2.2	21
211	CircFNDC3B sequestrates miRâ€937â€5p to derepress TIMP3 and inhibit colorectal cancer progression. Molecular Oncology, 2020, 14, 2960-2984.	2.1	58
212	Insulinâ€like growth factorâ€binding protein 3 inhibits angiotensin Ilâ€induced aortic smooth muscle cell phenotypic switch and matrix metalloproteinase expression. Experimental Physiology, 2020, 105, 1827-1839.	0.9	4
213	EphrinA1-Fc Attenuates Ventricular Remodeling and Dysfunction in Chronically Nonreperfused WT but not EphA2-R-M mice. International Journal of Molecular Sciences, 2020, 21, 5811.	1.8	4
214	Unravelling the Network of Nuclear Matrix Metalloproteinases for Targeted Drug Design. Biology, 2020, 9, 480.	1.3	4
215	The Roles of Matrix Metalloproteinases and Their Inhibitors in Human Diseases. International Journal of Molecular Sciences, 2020, 21, 9739.	1.8	585
216	Gene Expression of Metalloproteinases and Endogenous Inhibitors in the Lamellae of Dairy Heifers With Oligofructose-Induced Laminitis. Frontiers in Veterinary Science, 2020, 7, 597827.	0.9	1
217	Genetic Susceptibility and Protein Expression of Extracellular Matrix Turnover-Related Genes in Oral Submucous Fibrosis. International Journal of Molecular Sciences, 2020, 21, 8104.	1.8	31
218	Maternal administration of probiotics promotes brain development and protects offspring's brain from postnatal inflammatory insults in C57/BL6J mice. Scientific Reports, 2020, 10, 8178.	1.6	24

#	Article	IF	CITATIONS
219	The role of cytokine and immune responses in intestinal fibrosis. Journal of Digestive Diseases, 2020, 21, 308-314.	0.7	13
220	Remodeling of aligned fibrous extracellular matrix by encapsulated cells under mechanical stretching. Acta Biomaterialia, 2020, 112, 202-212.	4.1	12
221	Chromatin run-on sequencing analysis finds that ECM remodeling plays an important role in canine hemangiosarcoma pathogenesis. BMC Veterinary Research, 2020, 16, 206.	0.7	4
222	Preterm birth prediction in asymptomatic women at mid-gestation using a panel of novel protein biomarkers: the Prediction of PreTerm Labor (PPeTaL)Âstudy. American Journal of Obstetrics & Samp; Gynecology MFM, 2020, 2, 100084.	1.3	16
223	Expression profile of matrix metalloproteinases in the labrum of femoroacetabular impingement. Bone and Joint Research, 2020, 9, 173-181.	1.3	6
224	Bacillus pumilus Ribonuclease Inhibits Migration of Human Duodenum Adenocarcinoma HuTu 80 Cells. Molecular Biology, 2020, 54, 128-133.	0.4	8
225	The Impact of Matrix Metalloproteinase-9 on the Sequential Steps of the Metastatic Process. International Journal of Molecular Sciences, 2020, 21, 4526.	1.8	47
226	Release kinetic of pro- and anti-inflammatory biomolecules from platelet-rich plasma and functional study on osteoarthritis synovial fibroblasts. Cytotherapy, 2020, 22, 344-353.	0.3	18
227	Intermediate layer contribution in placental membrane allografts. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1126-1135.	1.3	7
228	Honokiol: A polyphenol neolignan ameliorates pulmonary fibrosis by inhibiting TGF-β/Smad signaling, matrix proteins and IL-6/CD44/STAT3 axis both in vitro and in vivo. Toxicology and Applied Pharmacology, 2020, 391, 114913.	1.3	34
229	Destroy to Rebuild: The Connection Between Bone Tissue Remodeling and Matrix Metalloproteinases. Frontiers in Physiology, 2020, 11, 47.	1.3	58
230	Pathomechanisms of Posttraumatic Osteoarthritis: Chondrocyte Behavior and Fate in a Precarious Environment. International Journal of Molecular Sciences, 2020, 21, 1560.	1.8	36
231	miR-139-5p promotes the proliferation and invasion of trophoblast cells by targeting sFlt-1 in preeclampsia. Placenta, 2020, 92, 37-43.	0.7	18
232	Towards Understanding Therapeutic Failures in Masquelet Surgery: First Evidence that Defective Induced Membrane Properties are Associated with Clinical Failures. Journal of Clinical Medicine, 2020, 9, 450.	1.0	23
233	Matrix Metalloproteinases in Diabetic Kidney Disease. Journal of Clinical Medicine, 2020, 9, 472.	1.0	65
234	Effect of bFGF on the growth and matrix turnover of stem cells from human apical papilla: Role of MEK/ERK signaling. Journal of the Formosan Medical Association, 2020, 119, 1666-1672.	0.8	8
235	Review of Alterations in Perlecan-Associated Vascular Risk Factors in Dementia. International Journal of Molecular Sciences, 2020, 21, 679.	1.8	5
236	PI4KIIIβ is a therapeutic target in chromosome $1$ qâ $\in$ "amplified lung adenocarcinoma. Science Translational Medicine, 2020, 12, .	5.8	41

#	ARTICLE	IF	CITATIONS
237	Trophoblast cell differentiation in the bovine placenta: differentially expressed genes between uninucleate trophoblast cells and trophoblast giant cells are involved in the composition and remodeling of the extracellular matrix and O-glycan biosynthesis. BMC Molecular and Cell Biology, 2020, 21, 1.	1.0	33
238	Extracellular matrix gene expression during arm regeneration in Amphiura filiformis. Cell and Tissue Research, 2020, 381, 411-426.	1.5	3
239	Matrix Metalloproteinases' Role in Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1245, 97-131.	0.8	60
240	Exogenous dihydrosphingosine 1 phosphate mediates collagen synthesis in cardiac fibroblasts through JAK/STAT signalling and regulation of TIMP1. Cellular Signalling, 2020, 72, 109629.	1.7	15
241	βâ€Adrenoceptors regulate matrix metalloproteinase expression in human urothelial cells under hydrostatic pressure. Neurourology and Urodynamics, 2020, 39, 1292-1303.	0.8	2
242	Inhibition of apoptosis signal-regulating kinase 1 ameliorates left ventricular dysfunction by reducing hypertrophy and fibrosis in a rat model of cardiorenal syndrome. International Journal of Cardiology, 2020, 310, 128-136.	0.8	10
243	Three novel variants identified within ECM-related genes in Chinese Han keratoconus patients. Scientific Reports, 2020, 10, 5844.	1.6	9
244	Zinc Deficiency Aggravation of ROS and Inflammatory Injury Leading to Renal Fibrosis in Mice. Biological Trace Element Research, 2021, 199, 622-632.	1.9	20
245	Interplay between perivascular and perineuronal extracellular matrix remodelling in neurological and psychiatric diseases. European Journal of Neuroscience, 2021, 53, 3811-3830.	1.2	26
246	Force dependent effects of chronic overuse on fibrosis-related genes and proteins in skeletal muscles. Connective Tissue Research, 2021, 62, 133-149.	1.1	6
247	The Antiâ€photoaging Effects of Pre―and Postâ€treatment of Plateletâ€rich Plasma on UVBâ€damaged HaCaT Keratinocytes. Photochemistry and Photobiology, 2021, 97, 589-599.	1.3	14
248	Fgf10/Fgfr2b Signaling Orchestrates the Symphony of Molecular, Cellular, and Physical Processes Required for Harmonious Airway Branching Morphogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 620667.	1.8	24
249	Challenges with matrix metalloproteinase inhibition and future drug discovery avenues. Expert Opinion on Drug Discovery, 2021, 16, 75-88.	2.5	15
250	Liraglutide treatment improves endothelial function in the <i>Ldlrâ^'/â^'</i> mouse model of atherosclerosis and affects genes involved in vascular remodelling and inflammation. Basic and Clinical Pharmacology and Toxicology, 2021, 128, 103-114.	1.2	10
251	Tumor necrosis factor $\hat{l}$ ±, protein gene product 9.5, matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-2 presence in congenital intra-abdominal adhesions in children under one year of age. Archives of Medical Science, 2021, 17, 92-99.	0.4	0
253	Glycosyltransferase POMGNT1 deficiency strengthens N-cadherin-mediated cell–cell adhesion. Journal of Biological Chemistry, 2021, 296, 100433.	1.6	5
254	ADAM10 Plasma and CSF Levels Are Increased in Mild Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 2416.	1.8	17
255	Time-Course Changes of Extracellular Matrix Encoding Genes Expression Level in the Spinal Cord Following Contusion Injury—A Data-Driven Approach. International Journal of Molecular Sciences, 2021, 22, 1744.	1.8	5

#	Article	IF	CITATIONS
256	Alterations of Extracellular Matrix Components in the Course of Juvenile Idiopathic Arthritis. Metabolites, 2021, 11, 132.	1.3	13
257	Latest advances to enhance the therapeutic potential of mesenchymal stromal cells for the treatment of immune-mediated diseases. Drug Delivery and Translational Research, 2021, 11, 498-514.	3.0	5
258	The Role of Matrix Metalloproteinases in the Progression and Vulnerabilization of Coronary Atherosclerotic Plaques. Journal of Cardiovascular Emergencies, 2021, 7, 9-16.	0.1	2
259	Halofuginone regulates keloid fibroblast fibrotic response to TGF- $\hat{l}^2$ induction. Biomedicine and Pharmacotherapy, 2021, 135, 111182.	2.5	15
260	Patient Acceptance of Routine Serial Postoperative Endoscopy Following Low Anterior Resection (LAR) and Its Ability to Detect Biomarkers in Anastomotic Lavage Fluid. World Journal of Surgery, 2021, 45, 2227-2234.	0.8	7
261	The Role of the Metzincin Superfamily in Prostate Cancer Progression: A Systematic-Like Review. International Journal of Molecular Sciences, 2021, 22, 3608.	1.8	6
262	The right ventricular transcriptome signature in Ossabaw swine with cardiometabolic heart failure: implications for the coronary vasculature. Physiological Genomics, 2021, 53, 99-115.	1.0	4
263	Pericyteâ€ike cells undergo transcriptional reprogramming and distinct functional adaptations in acute lung injury. FASEB Journal, 2021, 35, e21323.	0.2	4
264	Restraint Stress in Hypertensive Rats Activates the Intestinal Macrophages and Reduces Intestinal Barrier Accompanied by Intestinal Flora Dysbiosis. Journal of Inflammation Research, 2021, Volume 14, 1085-1110.	1.6	11
265	Poly- and Oligosaccharide Ulva sp. Fractions from Enzyme-Assisted Extraction Modulate the Metabolism of Extracellular Matrix in Human Skin Fibroblasts: Potential in Anti-Aging Dermo-Cosmetic Applications. Marine Drugs, 2021, 19, 156.	2.2	23
266	Matrix metalloproteinases and chronic rhinosinusitis with nasal polyposis. Unravelling a puzzle through a systematic review. Rhinology, 2021, 59, 0-0.	0.7	4
267	Extracellular Vesicles: An Emerging Mechanism Governing the Secretion and Biological Roles of Tenascin-C. Frontiers in Immunology, 2021, 12, 671485.	2.2	18
268	Extracellular Matrix: Emerging Roles and Potential Therapeutic Targets for Breast Cancer. Frontiers in Oncology, 2021, 11, 650453.	1.3	22
269	Host-Directed Therapies: Modulating Inflammation to Treat Tuberculosis. Frontiers in Immunology, 2021, 12, 660916.	2.2	45
270	Effects of (–)-Loliolide against Fine Dust Preconditioned Keratinocyte Media-Induced Dermal Fibroblast Inflammation. Antioxidants, 2021, 10, 675.	2.2	7
271	Review of clinical and emerging biomarkers for early diagnosis and treatment management of pancreatic cancer: towards personalised medicine. Journal of Radiotherapy in Practice, 2022, 21, 421-433.	0.2	1
272	Depletion of serotonin relieves concanavalin A-induced liver fibrosis in mice by inhibiting inflammation, oxidative stress, and TGF- $\hat{l}^2$ 1/Smads signaling pathway. Toxicology Letters, 2021, 340, 123-132.	0.4	14
273	Dual Stem Cell Therapy Improves the Myocardial Recovery Post-Infarction through Reciprocal Modulation of Cell Functions. International Journal of Molecular Sciences, 2021, 22, 5631.	1.8	14

#	Article	IF	CITATIONS
274	Matrix metalloproteinase MMP-8, TIMP-1 and MMP-8/TIMP-1 ratio in plasma in methicillin-sensitive Staphylococcus aureus bacteremia. PLoS ONE, 2021, 16, e0252046.	1.1	6
275	Matrix metalloproteinases in children with uncomplicated compression fractures of the spine. Russian Pediatric Journal, 2021, 24, 96-101.	0.0	0
276	Diabetes-related intestinal region-specific thickening of ganglionic basement membrane and regionally decreased matrix metalloproteinase 9 expression in myenteric ganglia. World Journal of Diabetes, 2021, 12, 658-672.	1.3	3
277	Irreversible Bladder Remodeling Induced by Fibrosis. International Neurourology Journal, 2021, 25, 53-7.	0.5	18
278	Lumbar and ventricular CSF concentrations of extracellular matrix proteins before and after shunt surgery in idiopathic normal pressure hydrocephalus. Fluids and Barriers of the CNS, 2021, 18, 23.	2.4	10
279	Effect of voluntary running activity on <scp>mRNA</scp> expression of extracellular matrix genes in a mouse model of intervertebral disc degeneration. JOR Spine, 2021, 4, e1148.	1.5	1
280	Novel mechanisms and clinical trial endpoints in intestinal fibrosis*. Immunological Reviews, 2021, 302, 211-227.	2.8	47
281	Zinc Administration and Improved Serum Markers of Hepatic Fibrosis in Patients with Autoimmune Hepatitis. Journal of Clinical Medicine, 2021, 10, 2465.	1.0	6
282	Inhibition of epithelial–mesenchymal transition in retinal pigment epithelial cells by a retinoic acid receptor-α agonist. Scientific Reports, 2021, 11, 11842.	1.6	10
283	Diabetic wound healing: The impact of diabetes on myofibroblast activity and its potential therapeutic treatments. Wound Repair and Regeneration, 2021, 29, 573-581.	1.5	47
284	GSK-3 Inhibition Modulates Metalloproteases in a Model of Lung Inflammation and Fibrosis. Frontiers in Molecular Biosciences, 2021, 8, 633054.	1.6	10
285	3D Collagen Hydrogel Promotes In Vitro Langerhans Islets Vascularization through ad-MVFs Angiogenic Activity. Biomedicines, 2021, 9, 739.	1.4	14
286	Regulation of ADAMTS Proteases. Frontiers in Molecular Biosciences, 2021, 8, 701959.	1.6	39
287	Effect of natural pre-luteolytic prostaglandin F2α pulses on the bovine luteal transcriptome during spontaneous luteal regressionâ€. Biology of Reproduction, 2021, 105, 1016-1029.	1.2	8
288	Hemodialysis exacerbates proteolytic imbalance and pro-fibrotic platelet dysfunction. Scientific Reports, 2021, 11, 11764.	1.6	2
289	Synovium-Synovial Fluid Axis in Osteoarthritis Pathology: A Key Regulator of the Cartilage Degradation Process. Genes, 2021, 12, 989.	1.0	21
290	Mediators of extracellular matrix degradation and inflammation: A new team of possible biomarkers for oral squamous cell carcinoma stage. Experimental and Therapeutic Medicine, 2021, 22, 877.	0.8	4
291	Liver Disease: Induction, Progression, Immunological Mechanisms, and Therapeutic Interventions. International Journal of Molecular Sciences, 2021, 22, 6777.	1.8	23

#	Article	IF	CITATIONS
292	Angiotensin-Converting Enzyme Inhibitor Reduces Radiation-Induced Periprosthetic Capsular Fibrosis. Journal of Surgical Research, 2021, 263, 167-175.	0.8	3
293	Deciphering Mesenchymal Drivers of Human Dupuytren's Disease at Single-Cell Level. Journal of Investigative Dermatology, 2022, 142, 114-123.e8.	0.3	12
294	Identification of molecular biomarkers associated with disease progression in the testis of bulls infected with Besnoitia besnoiti. Veterinary Research, 2021, 52, 106.	1.1	8
295	Why All the Fury over Furin?. Journal of Medicinal Chemistry, 2022, 65, 2747-2784.	2.9	23
296	Effects of intense pulsed light treatment on tear cytokines and clinical outcomes in meibomian gland dysfunction. PLoS ONE, 2021, 16, e0256533.	1.1	13
297	Angiocrine Regulation of Epithelial Barrier Integrity in Inflammatory Bowel Disease. Frontiers in Medicine, 2021, 8, 643607.	1.2	13
298	Extracellular Matrix Biomarkers in Colorectal Cancer. International Journal of Molecular Sciences, 2021, 22, 9185.	1.8	22
299	Elastin-Derived Peptides in the Central Nervous System: Friend or Foe. Cellular and Molecular Neurobiology, 2022, 42, 2473-2487.	1.7	18
300	PI3K/AKT and MAPK1 molecular changes preceding matrix metallopeptidases overexpression during tamoxifen-resistance development are correlated to poor prognosis in breast cancer patients. Breast Cancer, 2021, 28, 1358-1366.	1.3	16
301	A novel placental tissue biologic, PTP-001, inhibits inflammatory and catabolic responses in vitro and prevents pain and cartilage degeneration in a rat model of osteoarthritis. Osteoarthritis and Cartilage, 2021, 29, 1203-1212.	0.6	13
302	A Review of the Molecular Mechanisms Underlying Cardiac Fibrosis and Atrial Fibrillation. Journal of Clinical Medicine, 2021, 10, 4430.	1.0	36
303	Expression of tissue inhibitors of metalloproteinases type 1 and type 2 in the leaflets of explanted bioprosthetic heart valves: a new pathogenetic parallel between structural valve degeneration and calcific aortic stenosis. Vestnik Transplantologii I Iskusstvennykh Organov, 2021, 23, 115-121.	0.1	2
304	Restoring perturbed oxylipins with Danqi Tongmai Tablet attenuates acute myocardial infarction. Phytomedicine, 2021, 90, 153616.	2.3	1
305	Effect of Uncaria rhynchophylla against Thioacetamide-Induced Acute Liver Injury in Rat. Canadian Journal of Gastroenterology and Hepatology, 2021, 2021, 1-10.	0.8	7
306	Predominance of Heart Failure With Preserved Ejection Fraction in Postmenopausal Women: Intra- and Extra-Cardiomyocyte Maladaptive Alterations Scaffolded by Estrogen Deficiency. Frontiers in Cell and Developmental Biology, 2021, 9, 685996.	1.8	13
307	Collagen IV-Related Diseases and Therapies. Biology of Extracellular Matrix, 2021, , 143-197.	0.3	1
308	Architecture of the Blood Vessels. , 2017, , 3-12.		2
309	Matrix Metalloproteinases (MMPs) in Cancer Initiation and Progression. , 2017, , 207-236.		1

#	Article	IF	CITATIONS
310	Understanding the mechanisms that determine extracellular matrix remodeling in the infarcted myocardium. Biochemical Society Transactions, 2019, 47, 1679-1687.	1.6	12
312	Toll-Like Receptor 4 (TLR4)/Cyclooxygenase-2 (COX-2) Regulates Prostate Cancer Cell Proliferation, Migration, and Invasion by NF-κB Activation. Medical Science Monitor, 2018, 24, 5588-5597.	0.5	28
313	Localization, Shedding, Regulation and Function of Aminopeptidase N/CD13 on Fibroblast like Synoviocytes. PLoS ONE, 2016, 11, e0162008.	1.1	18
314	DUSP5 suppresses interleukin- $1\hat{l}^2$ -induced chondrocyte inflammation and ameliorates osteoarthritis in rats. Aging, 2020, 12, 26029-26046.	1.4	18
315	Perspectives and New Aspects of Metalloproteinases' Inhibitors in the Therapy of CNS Disorders: From Chemistry to Medicine. Current Medicinal Chemistry, 2019, 26, 3208-3224.	1.2	13
316	Hepatocyte Growth Factor Secreted from Human Adipose-Derived Stem Cells Inhibits Fibrosis in Hypertrophic Scar Fibroblasts. Current Molecular Medicine, 2020, 20, 558-571.	0.6	21
317	The Gut-Brain Axis in Autism Spectrum Disorder: A Focus on the Metalloproteases ADAM10 and ADAM17. International Journal of Molecular Sciences, 2021, 22, 118.	1.8	16
318	Transcriptome sequencing reveals dynamic changes in matrix metalloproteinases in facet joint osteoarthritis. Experimental and Therapeutic Medicine, 2020, 19, 2475-2482.	0.8	3
319	Effects of icariin on cell injury and glucocorticoid resistance in BEAS‑2B cells exposed to cigarette smoke extract. Experimental and Therapeutic Medicine, 2020, 20, 283-292.	0.8	13
320	LRP6 is involved in the proliferation, migration and invasion of trophoblast cells via miR‑346. International Journal of Molecular Medicine, 2020, 46, 211-223.	1.8	10
321	Mechanistic insights into a TIMP3-sensitive pathway constitutively engaged in the regulation of cerebral hemodynamics. ELife, 2016, $5$ , .	2.8	55
322	Functionally heterogeneous human satellite cells identified by single cell RNA sequencing. ELife, 2020, 9, .	2.8	82
323	Sex-Based Differences in the Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2021, 1329, 499-533.	0.8	3
324	Changes in matrix metalloproteinases and their inhibitors in the tears and blood serum of patients with herpetic keratoconjunctivitis under the influence of antiherpetic antibodies and nimesulide. PatologÁa, 2021, 18, 50-57.	0.1	0
326	Regulation of Tumor Metabolism and Extracellular Acidosis by the TIMP-10–CD63 Axis in Breast Carcinoma. Cells, 2021, 10, 2721.	1.8	5
327	Dye-Mediated Photo-Oxidation Biomaterial Fixation: Analysis of Bioinductivity and Mechanical Properties of Bovine Pericardium for Use in Cardiac Surgery. International Journal of Molecular Sciences, 2021, 22, 10768.	1.8	1
328	Vanillin augments liver regeneration effectively in Thioacetamide induced liver fibrosis rat model. Life Sciences, 2021, 286, 120036.	2.0	20
329	Quantification of Cell Migration and Invasion, and Their Association with Periostin in Anaplastic Thyroid Cancer, Using a Real-time Cell Analyzer. The Showa University Journal of Medical Sciences, 2016, 28, 123-133.	0.1	1

#	Article	IF	CITATIONS
330	Role of Metalloproteinases in Melanoma Growth and Progression. , 2017, , 91-102.		0
331	Effect of dietary fat and sucrose consumption on cardiac fibrosis in mice and rhesus monkeys. JCI Insight, 2019, 4, .	2.3	5
332	Role of Ñathepsin G in pathogenesis of chronic obstructive lung disease: possible ways of regulation. Medical Immunology (Russia), 2020, 22, 443-448.	0.1	1
335	Cerium Oxide Nanoparticles Alleviate Hepatic Fibrosis Phenotypes In Vitro. International Journal of Molecular Sciences, 2021, 22, 11777.	1.8	13
336	Hypertrophic postâ€acne scarring is associated with a single nucleotide polymorphism (rs243865) in the matrix metalloproteinaseâ€⊋ gene. JDDG - Journal of the German Society of Dermatology, 2020, 18, 1426-1435.	0.4	0
339	Morphometric and Molecular Muscle Remodeling after Passive Stretching in Elderly Female Rats. Clinics, 2020, 75, e1769.	0.6	4
340	EVALUATION OF BONE RESORPTIVE POTENTIAL IN THE TREATMENT OF GENERALIZED PERIODONTITIS. WiadomoÅci Lekarskie, 2020, 73, 2396-2402.	0.1	5
341	DAMP-Promoted Efferent Innate Immune Responses in Human Diseases: Fibrosis., 2020,, 211-257.		0
342	In Vitro Homeostasis of Rat Oral Epithelial Cell Cultures Following Withdrawal of Periodontal Pathogens. Brazilian Dental Journal, 2020, 31, 135-142.	0.5	1
344	LncRNA TUG1 ameliorates diabetic nephropathy by inhibiting miR-21 to promote TIMP3-expression. International Journal of Clinical and Experimental Pathology, 2019, 12, 717-729.	0.5	14
345	Endothelial cell CD36 deficiency prevents normal angiogenesis and vascular repair. American Journal of Translational Research (discontinued), 2020, 12, 7737-7761.	0.0	2
346	Transcriptome diversity and differential expression in supporting limb laminitis. Veterinary Immunology and Immunopathology, 2022, 243, 110353.	0.5	1
347	Comprehensive analysis of expression, prognosis and immune infiltration for TIMPs in glioblastoma. BMC Neurology, 2021, 21, 447.	0.8	8
348	Candesartan prevents arteriopathy progression in cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy model. Journal of Clinical Investigation, 2021, 131, .	3.9	12
349	Extracellular matrix dysfunction in Sorsby patient-derived retinal pigment epithelium. Experimental Eye Research, 2022, 215, 108899.	1.2	6
350	The ameliorating effect of Terminalia muelleri extract on oxidative stress–related factors in induced hepatocellular carcinoma rat model. Gene Reports, 2022, 26, 101482.	0.4	0
351	Current Topics of the Mechanism of Intestinal Fibrosis in Crohn's Disease. Immuno, 2021, 1, 574-582.	0.6	2
352	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.	0.8	4

#	Article	IF	CITATIONS
353	TIMP-1 expression in coronary thrombi associate with myocardial injury in ST-elevation myocardial infarction patients. Coronary Artery Disease, 2022, 33, 446-455.	0.3	6
354	Role of Fibroblasts and Myofibroblasts on the Pathogenesis and Treatment of Pelvic Organ Prolapse. Biomolecules, 2022, 12, 94.	1.8	28
355	Extracellular matrix guidance of autophagy: a mechanism regulating cancer growth. Open Biology, 2022, 12, 210304.	1.5	15
356	Bitter taste receptors protect against skin aging by inhibiting cellular senescence and enhancing wound healing. Nutrition Research and Practice, 2022, $16$ , $1$ .	0.7	4
357	Features of the level of matrix metalloproteinase-2, -3, -9 and tissue inhibitors of metalloproteinases-1, -2, -3, -4 in the aqueous humor of patients with primary open-angle glaucoma. Bulletin of Siberian Medicine, 2022, 20, 86-92.	0.1	0
358	A Traditional Chinese Medicine for the Treatment of Endometrial Hyperplasia via Regulating the HPO Axis in Rats. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-13.	0.5	2
359	Extracellular Matrix Synthesis and Remodeling by Mesenchymal Stromal Cells Is Context-Sensitive. International Journal of Molecular Sciences, 2022, 23, 1758.	1.8	9
360	Matrix stiffening and acquired resistance to chemotherapy: concepts and clinical significance. British Journal of Cancer, 2022, 126, 1253-1263.	2.9	7
361	Does cartilage ER $\hat{1}\pm$ overexpression correlate with osteoarthritic chondrosenescence? Indications from OA mitigation. Journal of Biosciences, 2019, 44, .	0.5	0
363	High-Density Horizontal Stacking of Chondrocytes via the Synergy of Biocompatible Magnetic Gelatin Nanocarriers and Internal Magnetic Navigation for Enhancing Cartilage Repair. Polymers, 2022, 14, 809.	2.0	5
364	Targeted therapy of cognitive deficits in fragile X syndrome. Molecular Psychiatry, 2022, 27, 2766-2776.	4.1	4
365	Improved Wound Healing by Naringin Associated with MMP and the VEGF Pathway. Molecules, 2022, 27, 1695.	1.7	19
366	The Immune Mechanisms of Severe Equine Asthmaâ€"Current Understanding and What Is Missing. Animals, 2022, 12, 744.	1.0	15
367	Into the Tissues: Extracellular Matrix and Its Artificial Substitutes: Cell Signalling Mechanisms. Cells, 2022, 11, 914.	1.8	38
368	Substrate Stiffness-Driven Membrane Tension Modulates Vesicular Trafficking <i>via</i> Caveolin-1. ACS Nano, 2022, 16, 4322-4337.	7.3	22
369	TIMP1 may affect goat prolificacy by regulating biological function of granulosa cells. Archives Animal Breeding, 2022, 65, 105-111.	0.5	8
370	Changes in Serum Levels of Matrix Metalloproteinase-1 and Tissue Inhibitor of Metalloproteinases-1 in Patients with Essential Hypertension. Bioengineering, 2022, 9, 119.	1.6	4
371	Asthmatic Eosinophils Alter the Gene Expression of Extracellular Matrix Proteins in Airway Smooth Muscle Cells and Pulmonary Fibroblasts. International Journal of Molecular Sciences, 2022, 23, 4086.	1.8	8

#	Article	IF	CITATIONS
372	The Attenuating Effect of Low-Intensity Pulsed Ultrasound on Hypoxia-Induced Rat Chondrocyte Damage in TMJ Osteoarthritis Based on TMT Labeling Quantitative Proteomic Analysis. Frontiers in Pharmacology, 2021, 12, 752734.	1.6	3
373	bFGF stimulated plasminogen activation factors, but inhibited alkaline phosphatase and SPARC in stem cells from apical Papilla: Involvement of MEK/ERK, TAK1 and p38 signaling. Journal of Advanced Research, 2022, 40, 95-107.	4.4	10
374	Evaluation of matrix metalloproteinases and tissue inhibitors of metalloproteinases in aqueous humor of dogs with versus without naturally occurring primary angle-closure glaucoma. American Journal of Veterinary Research, 2022, 83, 245-255.	0.3	2
375	Tomentosin shows anticancer effect on U87 human glioblastoma multiforme cells. MINAR International Journal of Applied Sciences and Technology, 0, , .	0.0	0
376	Effects of the healing activity of rosemary-of-Chapada (Lippia gracilis Schauer) on cutaneous lesions in rats. Acta Cirurgica Brasileira, 2022, 37, e370104.	0.3	1
377	Identifying Novel Osteoarthritis-Associated Genes in Human Cartilage Using a Systematic Meta-Analysis and a Multi-Source Integrated Network. International Journal of Molecular Sciences, 2022, 23, 4395.	1.8	7
378	The role of extracellular matrix on unfavorable maternal–fetal interface: focusing on the function of collagen in human fertility. Journal of Leather Science and Engineering, 2022, 4, .	2.7	4
390	Modified Gexiazhuyu decoction alleviates chronic salpingitis p38 signaling pathway Journal of Traditional Chinese Medicine, 2022, 42, 213-220.	0.1	0
391	Altered TIMP-3 Levels in the Cerebrospinal Fluid and Plasma of Patients with Alzheimer's Disease. Journal of Personalized Medicine, 2022, 12, 827.	1.1	4
393	Effect of tissue inhibitor of metalloproteinases-3 genetics polymorphism on clinicopathological characteristics of uterine cervical cancer patients in Taiwan. International Journal of Medical Sciences, 2022, 19, 1013-1022.	1.1	4
394	Inflammation and remodeling pathways and risk of cardiovascular events in patients with ischemic heart failure and reduced ejection fraction. Scientific Reports, 2022, 12, .	1.6	14
395	Laminin as a Biomarker of Blood–Brain Barrier Disruption under Neuroinflammation: A Systematic Review. International Journal of Molecular Sciences, 2022, 23, 6788.	1.8	8
396	MicroRNA-574 Impacts Granulosa Cell Estradiol Production via Targeting TIMP3 and ERK1/2 Signaling Pathway. Frontiers in Endocrinology, 0, 13, .	1.5	7
397	Potential Pro-Tumorigenic Effect of Bisphenol A in Breast Cancer via Altering the Tumor Microenvironment. Cancers, 2022, 14, 3021.	1.7	15
398	Two New Potential Therapeutic Approaches in Radiation Cystitis Derived from Mesenchymal Stem Cells: Extracellular Vesicles and Conditioned Medium. Biology, 2022, 11, 980.	1.3	5
399	Fibropreventive and Antifibrotic Effects of Uncaria gambir on Rats with Pulmonary Fibrosis. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-11.	0.5	0
400	Kangfuxiaoyanshuan alleviates uterine inflammation and adhesion via inhibiting NF- $\hat{\mathbb{P}}$ B p65 and TGF- $\hat{\mathbb{P}}$ 2/MMP-2 signaling pathway in pelvic inflammatory disease rats. Frontiers in Pharmacology, 0, 13, .	1.6	1
402	Could inhibition of metalloproteinases be used to block the process of metastasis?. Cell Biochemistry and Function, 2022, 40, 600-607.	1.4	11

#	Article	lF	Citations
403	The fibrogenic niche in kidney fibrosis: components and mechanisms. Nature Reviews Nephrology, 2022, 18, 545-557.	4.1	89
404	Molecular Genetic Mechanisms in Age-Related Macular Degeneration. Genes, 2022, 13, 1233.	1.0	8
405	Sex-Related Differences of Matrix Metalloproteinases (MMPs): New Perspectives for These Biomarkers in Cardiovascular and Neurological Diseases. Journal of Personalized Medicine, 2022, 12, 1196.	1.1	9
406	Screening Analysis of Proteolytic Enzymes and Their Inhibitors in the Leaflets of Epoxy-Treated Bioprosthetic Heart Valves Explanted due to Dysfunction. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2022, 16, 264-270.	0.2	0
407	Spatiotemporal dynamics of macrophage heterogeneity and a potential function of Trem2hi macrophages in infarcted hearts. Nature Communications, 2022, 13, .	5.8	44
408	Ezh2 Inhibits Replicative Senescence of Atrial Fibroblasts Through Promotion of H3K27me3 in the Promoter Regions of CDKN2a and Timp4 Genes. Journal of Inflammation Research, 0, Volume 15, 4693-4708.	1.6	7
409	The tetrapartite synapse in neuropsychiatric disorders: Matrix metalloproteinases (MMPs) as promising targets for treatment and rational drug design. Biochimie, 2022, 201, 79-99.	1.3	5
410	Cardiac inducing colonies halt fibroblast activation and induce cardiac/endothelial cells to move and expand via paracrine signaling. Molecular Biology of the Cell, 2022, 33, .	0.9	3
411	Flavonoids as regulators of TIMPs expression in cancer: Consequences, opportunities, and challenges. Life Sciences, 2022, 308, 120932.	2.0	10
412	Matrix Metalloproteinases in Colorectal Cancer. , 2022, , .		0
413	Actinidia Polygama Water Extract Protects UVB-Induced Photoaging Via MAPK/AP-1 and TGF $\hat{l}^2$ -Smad Pathway Regulation. SSRN Electronic Journal, 0, , .	0.4	0
414	Comprehensive Characterization of the Post-Operative Pericardial Inflammatory Response: Potential Implications for Clinical Outcomes. JTCVS Open, 2022, , .	0.2	3
415	Cut loose TIMP-1: an emerging cytokine in inflammation. Trends in Cell Biology, 2023, 33, 413-426.	3.6	20
416	Role of Extracellular Matrix and Inflammation in Abdominal Aortic Aneurysm. International Journal of Molecular Sciences, 2022, 23, 11078.	1.8	15
417	Breast Cancer Treatment Decreases Serum Levels of TGF-Î <sup>2</sup> 1, VEGFR2, and TIMP-2 Compared to Healthy Volunteers: Significance for Therapeutic Outcomes?. Pathophysiology, 2022, 29, 537-555.	1.0	1
419	Minimal Development of Liver Fibrosis in Adult Tolerant Liver Transplant Recipients Late After Immunosuppressive Drug Weaning and Transplantation. Transplantation Proceedings, 2022, 54, 1874-1880.	0.3	0
420	Improved contractile potential in detrusor microtissues from pediatric patients with end stage lower urinary tract dysfunction. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	1
421	Proteomics profile of mesenchymal stromal cells and extracellular vesicles in normoxic and hypoxic conditions. Cytotherapy, 2022, 24, 1211-1224.	0.3	13

#	Article	IF	CITATIONS
422	Evaluation of the Multiple Tissue Factors in the Cartilage of Primary and Secondary Rhinoplasty in Cleft Lip and Palate Patients. Pediatric Reports, 2022, 14, 419-433.	0.5	2
423	The impact of myocardial fibrosis biomarkers in a heart failure population with atrial fibrillationâ€"The HARVEST-Malmö study. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	3
424	Extracellular vesicles as advanced the rapeutics for the resolution of organ fibrosis: Current progress and future perspectives. Frontiers in Immunology, 0, $13$ , .	2.2	5
425	The spatial transcriptomic landscape of non-small cell lung cancer brain metastasis. Nature Communications, 2022, 13, .	5.8	30
426	Effects of TIMP-2 Polymorphisms on Retinopathy of Prematurity Risk, Severity, Recurrence, and Treatment Response. International Journal of Molecular Sciences, 2022, 23, 14199.	1.8	0
427	Circulating levels of tissue inhibitor of metalloproteinase ( <scp>TIMP</scp> )â€3, a protein with inhibitory effects on angiogenesis, are increased in preâ€eclampsia. International Journal of Gynecology and Obstetrics, 0, , .	1.0	3
428	Tissue inhibitor of metalloproteinase-4 deletion in mice impacts maternal cardiac function during pregnancy and postpartum. American Journal of Physiology - Heart and Circulatory Physiology, 2023, 324, H85-H99.	1.5	1
429	Activin A and CCR2 regulate macrophage function in testicular fibrosis caused by experimental autoimmune orchitis. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	4
430	Meta-Analysis of Extracellular Matrix Dynamics after Myocardial Infarction Using RNA-Sequencing Transcriptomic Database. International Journal of Molecular Sciences, 2022, 23, 15615.	1.8	2
431	Plasma TIMP-1 as a sex-specific biomarker for acute lung injury. Biology of Sex Differences, 2022, 13, .	1.8	3
432	Mesenchymal stromal cells donate mitochondria to articular chondrocytes exposed to mitochondrial, environmental, and mechanical stress. Scientific Reports, 2022, 12, .	1.6	8
433	Kruppel-Like Factor 2 and Matrix Metalloproteinases in the Context of Vasculature. Biology of Extracellular Matrix, 2023, , 121-138.	0.3	0
434	Treponema pallidum protein Tp0136 promoting MMPs/TIMPs imbalance via PI3K, MAPK and NF-κB signalling pathways in HDVSMCs. Heliyon, 2022, 8, e12065.	1.4	2
435	Molecular Fingerprint of Human Pathological Synoviocytes in Response to Extractive Sulfated and Biofermentative Unsulfated Chondroitins. International Journal of Molecular Sciences, 2022, 23, 15865.	1.8	5
436	The immunomodulatory role of phytocannabinoids in an <i>in vitro</i> peri-implantitis model. Daehan Chi'gwa I'sig, 2022, 41, 102-112.	0.1	0
437	Advancement of All-Trans Retinoic Acid Delivery Systems in Dermatological Application. Cosmetics, 2022, 9, 140.	1.5	2
438	<i>leptin b</i> and its regeneration enhancer illustrate the regenerative features of zebrafish hearts. Developmental Dynamics, 2024, 253, 91-106.	0.8	0
439	Metalloproteinases in Cardiac Surgery: A Systematic Review. Biomolecules, 2023, 13, 113.	1.8	6

#	Article	IF	CITATIONS
440	siRNA-Mediated Timp1 Silencing Inhibited the Inflammatory Phenotype during Acute Lung Injury. International Journal of Molecular Sciences, 2023, 24, 1641.	1.8	2
441	Metal Complexes as Promising Matrix Metalloproteinases Regulators. International Journal of Molecular Sciences, 2023, 24, 1258.	1.8	5
442	Placental macrophages present distinct polarization pattern and effector functions depending on clinical onset of preeclampsia. Frontiers in Immunology, $0,13,.$	2.2	5
443	Rational Optimizations of the Marineâ€Derived Peptide <i>Sungsanpin</i> as Novel Inhibitors of Cell Invasion. Chemistry and Biodiversity, 2023, 20, .	1.0	2
444	SRF/MRTFâ€A and liver cirrhosis: pathologic associations. Journal of Digestive Diseases, 0, , .	0.7	1
445	Dysregulation of metalloproteinases in spinal ligament degeneration. Connective Tissue Research, 2023, 64, 310-322.	1.1	0
446	Tear inflammation related indexes after cataract surgery in elderly patients with type 2 diabetes mellitus. World Journal of Clinical Cases, 0, 11, 385-393.	0.3	1
447	Impact of Clinicopathological Characteristics and Tissue Inhibitor of Metalloproteinase-3 Polymorphism Rs9619311 on Biochemical Recurrence in Taiwanese Patients with Prostate Cancer. International Journal of Environmental Research and Public Health, 2023, 20, 306.	1.2	0
448	Periplaneta americana (Insecta: Blattodea) and organ fibrosis: A mini review. Medicine (United States), 2022, 101, e32039.	0.4	1
449	Cerebral preservation during deep hypothermic circulatory arrest in cardiopulmonary bypass. , 2023, , 327-343.		0
450	Effects of heated tobacco products and conventional cigarettes on dental implant wound healing: experimental research. Annals of Medicine and Surgery, 2023, 85, 1366-1370.	0.5	0
451	Noninvasive Tests Used in Risk Stratification of Patients with Nonalcoholic Fatty Liver Disease. Clinics in Liver Disease, 2023, 27, 373-395.	1.0	3
452	Whole organism profiling of the Timp gene family. Matrix Biology Plus, 2023, 18, 100132.	1.9	2
453	Astaxanthin attenuates cigarette smoking-induced oxidative stress and inflammation in a sirtuin 1-dependent manner. Biomedicine and Pharmacotherapy, 2023, 159, 114230.	2.5	5
454	Matrix Metalloproteinases in Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2023, 24, 3786.	1.8	12
455	Targeting matrix metalloproteases in diabetic wound healing. Frontiers in Immunology, 0, $14$ , .	2.2	16
456	Role of Innate Immune Cells in Chronic Diabetic Wounds. Journal of the Indian Institute of Science, 0, ,	0.9	0
457	Key aspects for conception and construction of co-culture models of tumor-stroma interactions. Frontiers in Bioengineering and Biotechnology, 0, $11$ , .	2.0	2

#	Article	IF	CITATIONS
458	ADAM10 and ADAM17, Major Regulators of Chronic Kidney Disease Induced Atherosclerosis?. International Journal of Molecular Sciences, 2023, 24, 7309.	1.8	1
459	The invariant chain <scp>CD74</scp> protein is a cell surface binding partner of <scp>TIMP</scp> â€↓ in breast cancer cells. Molecular Oncology, 0, , .	2.1	1
473	Genetic Aspects of Oral Submucous Fibrosis. Textbooks in Contemporary Dentistry, 2023, , 111-122.	0.2	0
474	Curcumin as a Chemopreventive Agent for Oral Submucous Fibrosis. Textbooks in Contemporary Dentistry, 2023, , 299-312.	0.2	0
479	Matrix Metalloproteinase-9 and Its Involvement in Parkinson's Disease. Neurochemical Journal, 2023, 17, 236-242.	0.2	0
481	Travelling under pressure - hypoxia and shear stress in the metastatic journey. Clinical and Experimental Metastasis, 2023, 40, 375-394.	1.7	3
488	Redox signaling-mediated tumor extracellular matrix remodeling: pleiotropic regulatory mechanisms. Cellular Oncology (Dordrecht), 0, , .	2.1	1