

Matrix metalloproteinase 9 modulates collagen matrice

Development (Cambridge)

142, 2136-2146

DOI: [10.1242/dev.121160](https://doi.org/10.1242/dev.121160)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Rapid, Dynamic Activation of Müller Glial Stem Cell Responses in Zebrafish. , 2016, 57, 5148.		74
2	Overexpression of PRAS40T246A in the Proliferative Compartment Suppresses mTORC1 Signaling, Keratinocyte Migration, and Skin Tumor Development. Journal of Investigative Dermatology, 2016, 136, 2070-2079.	0.3	14
3	Second harmonic generation microscopy in zebrafish. Methods in Cell Biology, 2016, 133, 55-68.	0.5	18
4	Rac2 Functions in Both Neutrophils and Macrophages To Mediate Motility and Host Defense in Larval Zebrafish. Journal of Immunology, 2016, 197, 4780-4790.	0.4	46
5	Content of Soluble Factors and Characteristics of Stromal Vascular Fraction Cells in Lipoaspirates from Different Subcutaneous Adipose Tissue Depots. Aesthetic Surgery Journal, 2016, 36, 831-841.	0.9	29
6	Neutrophils in the Tumor Microenvironment. Trends in Immunology, 2016, 37, 41-52.	2.9	456
7	Mercury exposure induces cytoskeleton disruption and loss of renal function through epigenetic modulation of MMP9 expression. Toxicology, 2017, 386, 28-39.	2.0	25
8	Upregulation of matrix metalloproteinase triggers transdifferentiation of retinal pigmented epithelial cells in <i>Xenopus laevis</i> : A Link between inflammatory response and regeneration. Developmental Neurobiology, 2017, 77, 1086-1100.	1.5	14
9	Role of the Extracellular Matrix in Tumor Stroma: Barrier or Support?. , 2017, , 77-112.		0
10	TNF signaling and macrophages govern fin regeneration in zebrafish larvae. Cell Death and Disease, 2017, 8, e2979-e2979.	2.7	141
11	Quantification of Collagen Organization after Nerve Repair. Plastic and Reconstructive Surgery - Global Open, 2017, 5, e1586.	0.3	10
12	Long-term Live Imaging Device for Improved Experimental Manipulation of Zebrafish Larvae. Journal of Visualized Experiments, 2017, , .	0.2	6
13	zWEDGI: Wounding and Entrapment Device for Imaging Live Zebrafish Larvae. Zebrafish, 2017, 14, 42-50.	0.5	31
14	Interleukin-17 ⁺ Producing Neutrophils Link Inflammatory Stimuli to Disease Progression by Promoting Angiogenesis in Gastric Cancer. Clinical Cancer Research, 2017, 23, 1575-1585.	3.2	125
15	A gene expression study of ornamental fin shape in <i>Neolamprologus brichardi</i> , an African cichlid species. Scientific Reports, 2017, 7, 17398.	1.6	22
16	Thunbergia laurifolia Exhibits Antifibrotic Effects in Human Hepatic Stellate Cells. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-9.	0.5	6
17	Curcumin accelerates cutaneous wound healing via multiple biological actions: The involvement of TNF α , MMP α , α -SMA, and collagen. International Wound Journal, 2018, 15, 605-617.	1.3	92
18	Enhancement of Progenitor Cells by Two-Step Centrifugation of Emulsified Lipoaspirates. Plastic and Reconstructive Surgery, 2018, 142, 99-109.	0.7	46

#	ARTICLE	IF	CITATIONS
19	MicroRNA-223 Suppresses the Canonical NF- κ B Pathway in Basal Keratinocytes to Dampen Neutrophilic Inflammation. <i>Cell Reports</i> , 2018, 22, 1810-1823.	2.9	103
20	Tumor cell-released autophagosomes (TRAP) enhance apoptosis and immunosuppressive functions of neutrophils. <i>Oncolmmunology</i> , 2018, 7, e1438108.	2.1	22
21	Protease signaling regulates apical cell extrusion, cell contacts, and proliferation in epithelia. <i>Journal of Cell Biology</i> , 2018, 217, 1097-1112.	2.3	13
22	let-7 MicroRNA-Mediated Regulation of Shh Signaling and the Gene Regulatory Network Is Essential for Retina Regeneration. <i>Cell Reports</i> , 2018, 23, 1409-1423.	2.9	54
23	Learning from regeneration research organisms: The circuitous road to scar free wound healing. <i>Developmental Biology</i> , 2018, 433, 144-154.	0.9	65
24	High fish density delays wound healing in Atlantic salmon (<i>Salmo salar</i>). <i>Scientific Reports</i> , 2018, 8, 16907.	1.6	39
25	Triamcinolone Acetonide affects TGF- β 2 signaling regulation of fibrosis in idiopathic carpal tunnel syndrome. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 342.	0.8	10
26	Damage-induced reactive oxygen species regulate vimentin and dynamic collagen-based projections to mediate wound repair. <i>ELife</i> , 2018, 7, .	2.8	57
27	Interaction of matrix metalloproteinase-9 and Zpx in <i>Cronobacter turicensis</i> LMG 23827 ^T mediated infections in the zebrafish model. <i>Cellular Microbiology</i> , 2018, 20, e12888.	1.1	10
28	The genetic program of oocytes can be modified <i>in vivo</i> in the zebrafish ovary. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 479-493.	1.5	15
29	Atlantic salmon skin barrier functions gradually enhance after seawater transfer. <i>Scientific Reports</i> , 2018, 8, 9510.	1.6	49
30	Towards a gene regulatory network shaping the fins of the Princess cichlid. <i>Scientific Reports</i> , 2018, 8, 9602.	1.6	20
31	Live imaging of collagen deposition during skin development and repair in a collagen I α 1-GFP fusion transgenic zebrafish line. <i>Developmental Biology</i> , 2018, 441, 4-11.	0.9	43
32	Nanofat applications: from clinical esthetics to regenerative research. <i>Current Opinion in Biomedical Engineering</i> , 2019, 10, 174-180.	1.8	11
33	Galectin-3 initiates epithelial-stromal paracrine signaling to shape the proteolytic microenvironment during corneal repair. <i>Science Signaling</i> , 2019, 12, .	1.6	11
34	Modulation of Human CXCL12 Binding Properties to Glycosaminoglycans To Enhance Chemotactic Gradients. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5128-5138.	2.6	10
35	Fibronectin precoating wound bed enhances the therapeutic effects of autologous epidermal basal cell suspension for full-thickness wounds by improving epidermal stem cells TM utilization. <i>Stem Cell Research and Therapy</i> , 2019, 10, 154.	2.4	20
36	A Genome-Wide Analysis of the Penumbra Volume in Inbred Mice following Middle Cerebral Artery Occlusion. <i>Scientific Reports</i> , 2019, 9, 5070.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Layered nanofiber sponge with an improved capacity for promoting blood coagulation and wound healing. <i>Biomaterials</i> , 2019, 204, 70-79.	5.7	192
38	Effect of Hydrogel Enriched With Alginate, Fatty Acids, and Vitamins A and E on Pressure Injuries: A Case Series. <i>Plastic Surgical Nursing</i> , 2019, 39, 87-94.	0.3	4
39	Inhibition of <i>mmp13a</i> during zebrafish fin regeneration disrupts fin growth, osteoblasts differentiation, and Laminin organization. <i>Developmental Dynamics</i> , 2020, 249, 187-198.	0.8	7
40	Zebrafish as a model for inflammation and drug discovery. <i>Drug Discovery Today</i> , 2020, 25, 2201-2211.	3.2	46
41	Distinct Tissue Damage and Microbial Cues Drive Neutrophil and Macrophage Recruitment to Thermal Injury. <i>IScience</i> , 2020, 23, 101699.	1.9	13
42	The Physical Role of Mesenchymal Cells Driven by the Actin Cytoskeleton Is Essential for the Orientation of Collagen Fibrils in Zebrafish Fins. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 580520.	1.8	8
43	A type IV collagenase inhibitor, N-hydroxy-3-phenyl-2-(4-phenylbenzenesulfonamido) propanamide (BiPS), suppresses skin injury induced by sulfur mustard. <i>Toxicology and Applied Pharmacology</i> , 2020, 401, 115078.	1.3	0
44	Exploration of anti-inflammatory mechanism of forsythiaside A and forsythiaside B in CuSO ₄ -induced inflammation in zebrafish by metabolomic and proteomic analyses. <i>Journal of Neuroinflammation</i> , 2020, 17, 173.	3.1	36
45	17 β -Estradiol affects the innate immune response in common carp. <i>Fish Physiology and Biochemistry</i> , 2020, 46, 1775-1794.	0.9	8
46	Hyperbranched cationic polysaccharide derivatives for efficient siRNA delivery and diabetic wound healing enhancement. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 855-865.	3.6	22
47	Inflammation and matrix metalloproteinase 9 (Mmp α 9) regulate photoreceptor regeneration in adult zebrafish. <i>Glia</i> , 2020, 68, 1445-1465.	2.5	73
48	Fibrillar Collagen Quantification With Curvelet Transform Based Computational Methods. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 198.	2.0	32
49	Highlights on selected microscopy techniques to study zebrafish developmental biology. <i>Laboratory Animal Research</i> , 2020, 36, 12.	1.1	22
50	Genetics and Epigenetics of Atopic Dermatitis: An Updated Systematic Review. <i>Genes</i> , 2020, 11, 442.	1.0	56
51	Wound healing across the animal kingdom: Crosstalk between the immune system and the extracellular matrix. <i>Developmental Dynamics</i> , 2020, 249, 834-846.	0.8	34
52	Modeling Inflammation in Zebrafish for the Development of Anti-inflammatory Drugs. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 620984.	1.8	59
53	Glycosyltransferase POMGNT1 deficiency strengthens N-cadherin-mediated cell-cell adhesion. <i>Journal of Biological Chemistry</i> , 2021, 296, 100433.	1.6	5
54	Functional roles of fish collagen peptides on bone regeneration. <i>Dental Materials Journal</i> , 2021, 40, 1295-1302.	0.8	7

#	ARTICLE	IF	CITATIONS
56	Damage-Induced Calcium Signaling and Reactive Oxygen Species Mediate Macrophage Activation in Zebrafish. <i>Frontiers in Immunology</i> , 2021, 12, 636585.	2.2	15
57	Essential roles of matrix metalloproteinases in axolotl digit regeneration. <i>Cell and Tissue Research</i> , 2021, 385, 105-113.	1.5	7
59	Toward Quantitative in vivo Label-Free Tracking of Lipid Distribution in a Zebrafish Cancer Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 675636.	1.8	2
60	Regenerative Engineering Approaches to Scar-Free Skin Regeneration. <i>Regenerative Engineering and Translational Medicine</i> , 2022, 8, 225-247.	1.6	12
61	Entosis and apical cell extrusion constitute a tumor-suppressive mechanism downstream of Matriptase. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	3
62	Citrullination regulates wound responses and tissue regeneration in zebrafish. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	9
63	Wild-Type Zebrafish (<i>Danio rerio</i>) Larvae as a Vertebrate Model for Diabetes and Comorbidities: A Review. <i>Animals</i> , 2021, 11, 54.	1.0	4
64	Effects of icariin on cell injury and glucocorticoid resistance in BEAS-2B cells exposed to cigarette smoke extract. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 283-292.	0.8	13
65	Effects of Bone Marrow Mesenchymal Stem Cell to Transforming Grow Factor- β 3 and Matrix Metalloproteinase-9 Expression in Burns. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2018, 18, 164-171.	0.0	2
66	Tumor suppression in basal keratinocytes via dual non-cell-autonomous functions of a Na,K-ATPase beta subunit. <i>ELife</i> , 2016, 5, .	2.8	25
67	Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish. <i>ELife</i> , 2019, 8, .	2.8	72
68	Matrix metalloproteinase 9 modulates collagen matrices and wound repair. <i>Journal of Cell Science</i> , 2015, 128, e1.1-e1.1.	1.2	1
70	Suppression of NF- κ B Activation in Basal Keratinocytes via Cell Autonomously and Non-Autonomously Functions of MicroRNA-22333. <i>SSRN Electronic Journal</i> , 0, .	0.4	0
71	METALLOPROTEASES AND INHIBITORS EXPRESSION IN MYOCARDIUM UNDER ISCHEMIC CONDITIONS AFTER ALLOGENIC BIOMATERIAL INTRODUCTION. <i>Russian Journal of Cardiology</i> , 2018, , 73-79.	0.4	1
75	NAMPT-derived NAD ⁺ fuels PARP1 to promote skin inflammation through parthanatos cell death. <i>PLoS Biology</i> , 2021, 19, e3001455.	2.6	25
77	Differences in the expression profiles of lncRNAs and mRNAs in partially injured anterior cruciate ligament and medial collateral ligament of rabbits. <i>PeerJ</i> , 2022, 10, e12781.	0.9	2
78	Real-time imaging of inflammation and its resolution: It's apparent because it's transparent*. <i>Immunological Reviews</i> , 2022, 306, 258-270.	2.8	14
79	Comparative Transcriptome Analysis of Superficial and Deep Partial-Thickness Burn Wounds in Yorkshire vs Red Duroc Pigs. <i>Journal of Burn Care and Research</i> , 2022, 43, 1299-1311.	0.2	4

#	ARTICLE	IF	CITATIONS
80	Protective effect of vitamin C against ivermectin induced nephrotoxicity in different age groups of male wistar rats: bio-histopathological study. <i>Anatomy and Cell Biology</i> , 2021, 54, 501-517.	0.5	6
94	Laser-mediated osteoblast ablation triggers a pro-osteogenic inflammatory response regulated by reactive oxygen species and glucocorticoid signaling in zebrafish. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	5
95	Role of the Extracellular Matrix in Tumor Stroma: Barrier or Support?. , 2022, , 63-89.		0
96	Elf3 deficiency during zebrafish development alters extracellular matrix organization and disrupts tissue morphogenesis. <i>PLoS ONE</i> , 2022, 17, e0276255.	1.1	3
97	Gene expression patterns associated with caudal fin shape in the cichlid <i>Lamprologus tigrispictilis</i> . <i>Hydrobiologia</i> , 0, , .	1.0	1
98	Characterization of the MMP9 Gene and Its Association with <i>Cryptocaryon irritans</i> Resistance Traits in <i>Trachinotus ovatus</i> (Linnaeus, 1758). <i>Genes</i> , 2023, 14, 475.	1.0	4
101	Allogeneic biomaterial: a fibrosis inhibitor in ischemic myocardial damage. <i>Medical Immunology (Russia)</i> , 2023, 25, 301-308.	0.1	0