

CITATION REPORT

List of articles citing

Matrix metalloproteinases in lung biology

DOI: 10.1186/rr33

Respiratory Research, 2001, 2, 10-9.

Source: <https://exaly.com/paper-pdf/32113025/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
236	Chronic obstructive pulmonary disease - part 2: pathology and biochemistry of emphysema. 2002 , 57, 830-4		101
235	S-nitrosothiols inhibit cytokine-mediated induction of matrix metalloproteinase-9 in airway epithelial cells. 2002 , 27, 463-73		46
234	Unconventional activation mechanisms of MMP-26, a human matrix metalloproteinase with a unique PHCGXXD cysteine-switch motif. 2002 , 277, 18967-72		35
233	Mannose-binding lectin (MBL) mutants are susceptible to matrix metalloproteinase proteolysis: potential role in human MBL deficiency. 2002 , 277, 17511-9		42
232	Chapter 21. Matrix metalloproteinases and the potential therapeutic role for matrix metalloproteinase inhibitors in chronic obstructive pulmonary disease(COPD). 2002 , 37, 209-216		2
231	Matrilysin shedding of syndecan-1 regulates chemokine mobilization and transepithelial efflux of neutrophils in acute lung injury. 2002 , 111, 635-46		637
230	Involvement of gelatinases (MMP-2 and MMP-9) in the development of airway inflammation and pulmonary fibrosis. 2002 , 18, 51-61		129
229	Structural basis of matrix metalloproteinases and tissue inhibitors of metalloproteinases. 2003 , 25, 241-66		90
228	Clinical implications of matrix metalloproteinases. 2003 , 252, 305-29		118
227	Regulation of matrix metalloproteinases: an overview. 2003 , 253, 269-85		857
226	[Pathomorphogenesis of tubercular histologic changes: mechanisms of granuloma formation, maintenance and necrosis]. 2003 , 44, 1363-73		2
225	Circulating monocytes from healthy individuals and COPD patients. <i>Respiratory Research</i> , 2003 , 4, 11	7.3	61
224	Matrix metalloproteinase-9 in lung remodeling. 2003 , 28, 12-24		465
223	Matrilysin (matrix metalloproteinase-7) mediates E-cadherin ectodomain shedding in injured lung epithelium. 2003 , 162, 1831-43		253
222	Airway smooth muscle--its relationship to the extracellular matrix. 2003 , 137, 339-46		40
221	Matrix metalloproteinases: old dogs with new tricks. 2003 , 4, 216		210
220	Oxidative stress mediates air pollution particle-induced acute lung injury and molecular pathology. 2003 , 15, 1327-46		52

219	A site on laminin alpha 5, AQARSAASKVKVSMKF, induces inflammatory cell production of matrix metalloproteinase-9 and chemotaxis. <i>Journal of Immunology</i> , 2003 , 171, 398-406	5-3	97
218	Antiproteases and retinoids for treatment of chronic obstructive pulmonary disease. 2003 , 13, 1345-1372		9
217	Matrix metalloproteinase-9-mediated dendritic cell recruitment into the airways is a critical step in a mouse model of asthma. <i>Journal of Immunology</i> , 2003 , 171, 1016-22	5-3	134
216	Increased basigin in bleomycin-induced lung injury. 2003 , 28, 600-6		26
215	Extracellular matrix metalloproteinase inducer is increased in smokers' bronchoalveolar lavage fluid. 2003 , 168, 222-7		28
214	Tissue inhibitor of metalloproteinase-3 downregulation in lymphangioliomyomatosis: potential consequence of abnormal serum response factor expression. 2003 , 28, 504-11		59
213	Macrophage metalloelastase mediates acute cigarette smoke-induced inflammation via tumor necrosis factor-alpha release. 2003 , 167, 1083-9		291
212	Role of matrix metalloproteinases in asthma. 2003 , 9, 28-33		109
211	Surface association of secreted matrix metalloproteinases. 2003 , 54, 75-100		11
210	Impact of cigarette smoke on clearance and inflammation after <i>Pseudomonas aeruginosa</i> infection. 2004 , 170, 1164-71		132
209	Adenovirus mediated intra-articular expression of collagenase-3 (MMP-13) induces inflammatory arthritis in mice. 2004 , 63, 656-64		19
208	Matrix metalloproteinase-9 deficiency results in enhanced allergen-induced airway inflammation. <i>Journal of Immunology</i> , 2004 , 172, 2586-94	5-3	158
207	Prostaglandin E2-dependent enhancement of tissue inhibitors of metalloproteinases-1 production limits dendritic cell migration through extracellular matrix. <i>Journal of Immunology</i> , 2004 , 173, 5458-66	5-3	51
206	Overlapping and independent contributions of MMP2 and MMP9 to lung allergic inflammatory cell egression through decreased CC chemokines. <i>FASEB Journal</i> , 2004 , 18, 995-7	0-9	163
205	The canonical methionine 392 of matrix metalloproteinase 2 (gelatinase A) is not required for catalytic efficiency or structural integrity: probing the role of the methionine-turn in the metzincin metalloprotease superfamily. 2004 , 279, 15615-20		37
204	Cigarette smoke stimulates MMP-1 production by human lung fibroblasts through the ERK1/2 pathway. 2004 , 1, 13-23		28
203	Molecular mechanism for activation and regulation of matrix metalloproteinases during bacterial infections and respiratory inflammation. 2004 , 385, 997-1006		76
202	Potential role of inhibitors of neutrophil elastase in treating diseases of the airway. 2004 , 17, 289-98		41

201	Matrilysin (matrix metalloproteinase-7): a new promising drug target in cancer and inflammation?. 2004 , 15, 111-5	59
200	The role of matrix metalloproteinase 7 in innate immunity. 2004 , 209, 51-6	41
199	Modulation of matrix metalloproteinase production from human lung fibroblasts by type 4 phosphodiesterase inhibitors. 2004 , 75, 823-40	47
198	Mechanisms of pulmonary fibrosis. 2004 , 55, 395-417	491
197	DEP-induced fra-1 expression correlates with a distinct activation of AP-1-dependent gene transcription in the lung. 2004 , 286, L427-36	39
196	Characterization of gelatinases in bronchoalveolar lavage fluid and gelatinases produced by alveolar macrophages isolated from healthy calves. 2004 , 65, 163-72	14
195	Expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases during normal human pulmonary development. 2005 , 47, 410-9	28
194	Mitogen regulated induction of FRA-1 proto-oncogene is controlled by the transcription factors binding to both serum and TPA response elements. 2005 , 24, 4193-205	45
193	Silibinin inhibits cell invasion through inactivation of both PI3K-Akt and MAPK signaling pathways. 2005 , 156, 141-50	156
192	Broncho-alveolar lavage matrix metalloproteases as a sensitive measure of bronchiolitis obliterans. 2005 , 5, 1548-52	47
191	Induction of macrophage elastase (MMP-12) gene expression by statins. 2005 , 204, 139-45	20
190	Characterization of Toll-like receptors in primary lung epithelial cells: strong impact of the TLR3 ligand poly(I:C) on the regulation of Toll-like receptors, adaptor proteins and inflammatory response. 2005 , 2, 16	136
189	Increased lung matrix metalloproteinase-9 levels in extremely premature baboons with bronchopulmonary dysplasia. 2005 , 39, 5-14	46
188	Pediatric lung disease: from proteinases to pulmonary fibrosis. 2005 , 39, 392-401	16
187	Phenotype of airway epithelial cells suggests epithelial to mesenchymal cell transition in clinically stable lung transplant recipients. 2005 , 60, 865-71	92
186	Silica-Induced Inflammatory Mediators and Pulmonary Fibrosis. 2005 , 199-210	2
185	Differential proteomic analysis of bronchoalveolar lavage fluid in asthmatics following segmental antigen challenge. 2005 , 4, 1251-64	131
184	Opposing regulatory roles of complement factor 5 in the development of bleomycin-induced pulmonary fibrosis. <i>Journal of Immunology</i> , 2005 , 175, 1894-902	5-3 41

183	Interleukin-1beta causes pulmonary inflammation, emphysema, and airway remodeling in the adult murine lung. 2005 , 32, 311-8		341
182	NADPH oxidase restrains the matrix metalloproteinase activity of macrophages. 2005 , 280, 30201-5		50
181	Extracellular matrix-driven alveolar epithelial cell differentiation in vitro. 2005 , 31, 461-82		36
180	Matrix metalloproteinase-2 (MMP-2) and MMP-9 in pulmonary pathology. 2005 , 31, 599-621		174
179	Crystal structures of MMPs in complex with physiological and pharmacological inhibitors. 2005 , 87, 249-63		153
178	Distinctive functions of membrane type 1 matrix-metalloprotease (MT1-MMP or MMP-14) in lung and submandibular gland development are independent of its role in pro-MMP-2 activation. 2005 , 277, 255-69		105
177	Hypothesis: epithelial-to-mesenchymal transition is a common cause of chronic allograft failure. 2005 , 37, 977-80		17
176	Sputum matrix metalloproteases: comparison between chronic obstructive pulmonary disease and asthma. 2005 , 99, 703-10		103
175	Overexpression of cathepsin K during silica-induced lung fibrosis and control by TGF-beta. <i>Respiratory Research</i> , 2005 , 6, 84	7-3	52
174	Polarized monocyte response to cytokine stimulation. 2005 , 6, R15		25
173	Role for matrix metalloproteinase 9 in granuloma formation during pulmonary Mycobacterium tuberculosis infection. 2006 , 74, 6135-44		143
172	Impact of the loss of Hoxa5 function on lung alveogenesis. 2006 , 169, 1312-27		58
171	Eosinophils and CCR3 regulate interleukin-13 transgene-induced pulmonary remodeling. 2006 , 169, 2117-26		70
170	[Markers of airway remodeling in induced sputum from healthy smokers]. 2006 , 42, 235-40		
169	Phenotypical and functional characterization of alveolar macrophage subpopulations in the lungs of NO2-exposed rats. <i>Respiratory Research</i> , 2006 , 7, 4	7-3	19
168	Hyperoxia stimulates an Nrf2-ARE transcriptional response via ROS-EGFR-PI3K-Akt/ERK MAP kinase signaling in pulmonary epithelial cells. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 43-52	8.4	166
167	Remodeling associated expression of matrix metalloproteinase 9 but not tissue inhibitor of metalloproteinase 1 in airway epithelium: modulation by immunostimulatory DNA. 2006 , 117, 618-25		25
166	Modelling COPD in mice. 2006 , 19, 12-7		36

165	What is the contribution of respiratory viruses and lung proteases to airway remodelling in asthma and chronic obstructive pulmonary disease?. 2006 , 19, 18-23	21
164	MATRIX METALLOPROTEINASES. 2006 , 18-25	0
163	Effects of antenatal betamethasone on maternal and fetoplacental matrix metalloproteinases 2 and 9 activities in human singleton pregnancies. 2006 , 54, 245-54	4
162	Macrophage metalloelastase (MMP-12) deficiency does not alter bleomycin-induced pulmonary fibrosis in mice. 2006 , 3, 2	34
161	Overexpression of nitric oxide synthase by the endothelium attenuates bleomycin-induced lung fibrosis and impairs MMP-9/TIMP-1 balance. 2006 , 11, 546-56	35
160	The distribution of matrix metalloproteinases and tissue inhibitors of metalloproteinases in the lungs of congenital diaphragmatic hernia patients and age-matched controls. 2006 , 48, 588-95	15
159	Marcadores de remodelado bronquial en el esputo inducido de fumadores sanos. 2006 , 42, 235-240	10
158	Expression of matrix metalloproteinases 2, 7 and 9, and their tissue inhibitors 1 and 2, in developing rabbit tracheae. 2006 , 89, 236-43	5
157	Thrombin and TNF-alpha/IL-1beta synergistically induce fibroblast-mediated collagen gel degradation. 2006 , 35, 714-21	36
156	Tissue inhibitor of metalloproteinase-1 deficiency abrogates obliterative airway disease after heterotopic tracheal transplantation. 2006 , 34, 464-72	22
155	Matrix metalloproteinases in destructive pulmonary pathology. 2006 , 61, 259-66	210
154	Lung dysfunction causes systemic hypoxia in estrogen receptor beta knockout (ERbeta ^{-/-}) mice. 2006 , 103, 7165-9	94
153	Selective ablation of matrix metalloproteinase-2 exacerbates experimental colitis: contrasting role of gelatinases in the pathogenesis of colitis. <i>Journal of Immunology</i> , 2006 , 177, 4103-12	5-3 77
152	Protease inhibitors in respiratory disease: focus on asthma and chronic obstructive pulmonary disease. 2007 , 3, 365-81	5
151	Nitric oxide promotes airway epithelial wound repair through enhanced activation of MMP-9. 2007 , 36, 138-46	78
150	Matrix metalloproteinases in lung: multiple, multifarious, and multifaceted. 2007 , 87, 69-98	347
149	Characterization of human pre-elafin mutants: full antipeptidase activity is essential to preserve lung tissue integrity in experimental emphysema. 2007 , 405, 455-63	13
148	Asthma and Chronic Obstructive Pulmonary Disease. 2007 , 873-916	

147	Synergistic up-regulation of epithelial cell matrix metalloproteinase-9 secretion in tuberculosis. 2007 , 37, 431-7		56
146	Patterns of airway inflammation and MMP-12 expression in smokers and ex-smokers with COPD. <i>Respiratory Research</i> , 2007 , 8, 81	7:3	54
145	Protective role of matrix metalloproteinase-9 in ozone-induced airway inflammation. 2007 , 115, 1557-63		41
144	Fibrosis and cancer: do myofibroblasts come also from epithelial cells via EMT?. 2007 , 101, 830-9		271
143	Elevated matrilysin levels in bronchoalveolar lavage fluid do not distinguish idiopathic pulmonary fibrosis from other interstitial lung diseases. 2007 , 115, 969-75		36
142	Natural aging, expression of fibrosis-related genes and collagen deposition in rat lung. 2007 , 42, 1003-11		58
141	New insights into the pathogenesis and treatment of idiopathic pulmonary fibrosis: a potential role for stem cells in the lung parenchyma and implications for therapy. 2007 , 24, 819-41		79
140	The role of proteoglycans in pulmonary edema development. 2008 , 34, 610-8		34
139	Lymphatic involvement in lymphangioliomyomatosis. 2008 , 1131, 206-14		26
138	The role of gene polymorphisms in the pathogenesis of chronic obstructive pulmonary disease. 2008 , 63, 20-33		
137	Polymorphism in promoter regions of matrix metalloproteinases (MMP1, MMP9, and MMP12) in chronic obstructive pulmonary disease patients. 2008 , 44, 202-208		5
136	uPARAP expression during murine lung development. 2008 , 8, 486-93		7
135	Lack of alpha-1 integrin alters lesion morphology during pulmonary Mycobacterium tuberculosis infection. 2008 , 88, 444-52		5
134	Cigarette smoke worsens lung inflammation and impairs resolution of influenza infection in mice. <i>Respiratory Research</i> , 2008 , 9, 53	7:3	106
133	Increased Expression and Activity of MMP-9 in Chronic Rhinosinusitis With Nasal Polyposis. 2008 , 59, 444-447		
132	Matrix metalloproteinase 8 contributes to solubilization of IL-13 receptor alpha2 in vivo. 2008 , 122, 625-32		31
131	Epithelial Repair and Regeneration. 2008 , 476-489		3
130	HRCT and histopathological evaluation of fibrosis and tissue destruction in IPF associated with pulmonary emphysema. 2008 , 102, 1753-61		46

129	Agents associated with lung inflammation induce similar responses in NCI-H292 lung epithelial cells. 2008 , 22, 1782-8		24
128	Matrix metalloproteinases in airways inflammation of asthma and chronic obstructive pulmonary disease. 2008 , 21-37		
127	A novel proteolytic cascade generates an extracellular matrix-derived chemoattractant in chronic neutrophilic inflammation. <i>Journal of Immunology</i> , 2008 , 180, 5662-9	5:3	248
126	Fibrotic response as a distinguishing feature of resistance and susceptibility to pulmonary infection with <i>Mycobacterium tuberculosis</i> in mice. 2008 , 76, 78-88		27
125	Airway biomarkers of the oxidant burden in asthma and chronic obstructive pulmonary disease: current and future perspectives. 2008 , 3, 585-603		47
124	Expressão das metaloproteinases da matriz 2 e 9 na saliva de pacientes com doença pulmonar obstrutiva crônica. 2009 , 16, 299-305		1
123	Involvement of lymphatics in lymphangiomyomatosis. 2009 , 7, 221-8		16
122	Up-regulation of alveolar macrophage matrix metalloproteinases in HIV1(+) smokers with early emphysema. 2009 , 86, 913-22		38
121	Heat shock protein 70 secretion by neonatal tracheal tissue during mechanical ventilation: association with indices of tissue function and modeling. 2009 , 65, 387-91		4
120	Kinetics of inhibition of purified bovine neutrophil matrix metalloproteinase 9 by low-molecular-weight inhibitors. 2009 , 70, 633-9		3
119	Andrographolide could inhibit human colorectal carcinoma Lovo cells migration and invasion via down-regulation of MMP-7 expression. 2009 , 180, 344-52		49
118	Matrix metalloproteinases: their potential role in the pathogenesis of diabetic nephropathy. 2009 , 35, 1-10		137
117	Persistence of oxidant and protease burden in the airways after smoking cessation. <i>BMC Pulmonary Medicine</i> , 2009 , 9, 25	3:5	62
116	The lens capsule. 2009 , 88, 151-64		155
115	Inhibitory effect of Platycodi Radix on ovalbumin-induced airway inflammation in a murine model of asthma. <i>Food and Chemical Toxicology</i> , 2009 , 47, 1272-9	4:7	59
114	Matrix metalloprotease expressions in both reperfusion lung injury and oleic acid lung injury models and the protective effects of ilomastat. 2009 , 41, 1508-11		10
113	Serum matrix metalloproteinases in adult CF patients: Relation to pulmonary exacerbation. 2009 , 8, 338-47		47
112	Role of ADAM and ADAMTS metalloproteinases in airway diseases. <i>Respiratory Research</i> , 2009 , 10, 127	7:3	37

111	Matrix Degrading Proteinases in COPD and Asthma. 2009 , 343-352		2
110	Matrilysin-1 mediates bronchiolization of alveoli, a potential premalignant change in lung cancer. 2009 , 175, 592-604		9
109	Effects of low concentrations of benzene on human lung cells in vitro. 2009 , 188, 130-6		17
108	Delineation of a gene network underlying the pulmonary response to oxidative stress in asthma. 2009 , 57, 756-64		13
107	Inhibitory effects of andrographolide on migration and invasion in human non-small cell lung cancer A549 cells via down-regulation of PI3K/Akt signaling pathway. 2010 , 632, 23-32		127
106	The mechanics of development: Models and methods for tissue morphogenesis. 2010 , 90, 193-202		42
105	MMP-8 promotes polymorphonuclear cell migration through collagen barriers in obliterative bronchiolitis. 2010 , 87, 69-77		24
104	Early protection from burn-induced acute lung injury by deletion of preprotachykinin-A gene. 2010 , 181, 36-46		21
103	Genetic polymorphisms in MMP7 and reduced serum levels associate with the development of bronchiolitis obliterans syndrome after lung transplantation. 2010 , 29, 680-6		15
102	The role of hypoxia inducible factor-1 α in the increased MMP-2 and MMP-9 production by human monocytes exposed to nickel nanoparticles. <i>Nanotoxicology</i> , 2011 , 5, 568-82	5-3	43
101	Intestinal dendritic cells specialize to activate transforming growth factor- β and induce Foxp3+ regulatory T cells via integrin α 8. 2011 , 141, 1802-12		122
100	Neutrophil elastase is produced by pulmonary artery smooth muscle cells and is linked to neointimal lesions. 2011 , 179, 1560-72		63
99	Overexpression of matrix metalloproteinase-12 (MMP-12) correlates with poor prognosis of hepatocellular carcinoma. 2011 , 47, 2299-305		53
98	MMPs in tuberculosis: granuloma creators and tissue destroyers. 2011 , 121, 1686-8		44
97	Protocatechuic acid inhibits cancer cell metastasis involving the down-regulation of Ras/Akt/NF- κ B pathway and MMP-2 production by targeting RhoB activation. 2011 , 162, 237-54		82
96	Doxycycline attenuates acrolein-induced mucin production, in part by inhibiting MMP-9. 2011 , 650, 418-23		14
95	Physiology and pathophysiology of matrix metalloproteases. 2011 , 41, 271-90		494
94	Andrographolide inhibits intimal hyperplasia in a rat model of autogenous vein grafts. 2011 , 60, 231-9		3

93	Retinoic acid diminished the expression of MMP-2 in hyperoxia-exposed premature rat lung fibroblasts through regulating mitogen-activated protein kinases. 2011 , 31, 251-257		6
92	Elevated serum neutrophil elastase is related to prehypertension and airflow limitation in obese women. 2011 , 11, 1		32
91	Epilysin (matrix metalloproteinase-28) contributes to airway epithelial cell survival. <i>Respiratory Research</i> , 2011 , 12, 144	7-3	14
90	Shedding of low-density lipoprotein receptor-related protein-1 in acute respiratory distress syndrome. 2011 , 184, 438-48		32
89	Barx2 and Fgf10 regulate ocular glands branching morphogenesis by controlling extracellular matrix remodeling. 2011 , 138, 3307-17		55
88	What do we know about mechanical strain in lung alveoli?. 2011 , 301, L625-35		108
87	Effects of inducible nitric oxide synthase inhibition in bronchial vascular remodeling-induced by chronic allergic pulmonary inflammation. 2011 , 37, 259-68		24
86	Matrix Metalloproteinases. 2011 ,		1
85	Bronchiolitis obliterans organizing pneumonia in Swine associated with porcine circovirus type 2 infection. 2011 , 2011, 245728		10
84	Matrix metalloprotease 9 mediates neutrophil migration into the airways in response to influenza virus-induced toll-like receptor signaling. 2012 , 8, e1002641		135
83	Impact of host proteases on reovirus infection in the respiratory tract. 2012 , 86, 1238-43		22
82	Matrix metalloproteinase-7 regulates cleavage of pro-nerve growth factor and is neuroprotective following kainic acid-induced seizures. 2012 , 32, 703-12		47
81	<i>Mycobacterium indicus pranii</i> downregulates MMP-9 and iNOS through COX-2 dependent and TNF- α -independent pathway in mouse peritoneal macrophages in vitro. 2012 , 14, 348-56		4
80	Influence of Nutrition on Neonatal Respiratory Outcomes. 2012 , 163-180		
79	Regulation of airway inflammation and remodeling by muscarinic receptors: perspectives on anticholinergic therapy in asthma and COPD. 2012 , 91, 1126-33		59
78	Practical course on "imaging infection: from single molecules to animals". 2012 , 14, 1475-82		
77	<i>Diospyros blancoi</i> attenuates asthmatic effects in a mouse model of airway inflammation. 2012 , 35, 623-32		8
76	Homocysteine enhances MMP-9 production in murine macrophages via ERK and Akt signaling pathways. 2012 , 260, 89-94		26

75	Analysis of trace and major elements in bronchoalveolar lavage fluid of Mycoplasma bronchopneumonia in calves. 2012 , 145, 166-71		7
74	Polymorphisms in metalloproteinase-9 are associated with the risk for asthma in Mexican pediatric patients. 2013 , 74, 998-1002		20
73	Conditional over-expression of RAGE by embryonic alveolar epithelium compromises the respiratory membrane and impairs endothelial cell differentiation. <i>Respiratory Research</i> , 2013 , 14, 108	7-3	16
72	Functional characterization of a porcine emphysema model. 2013 , 191, 669-75		12
71	Genetic determinants of reovirus pathogenesis in a murine model of respiratory infection. 2013 , 87, 9279-89		19
70	Plasma matrix metalloproteinase activity in horses after intravenous infusion of lipopolysaccharide and treatment with matrix metalloproteinase inhibitors. 2013 , 74, 473-80		21
69	Bronchoalveolar lavage as a tool to predict, diagnose and understand bronchiolitis obliterans syndrome. 2013 , 13, 552-61		58
68	Blood biomarkers MMP-7 and SP-A: predictors of outcome in idiopathic pulmonary fibrosis. 2013 , 143, 1422-1429		91
67	Recent advances in pre-clinical mouse models of COPD. 2014 , 126, 253-65		99
66	Matrix metalloproteinases and tissue damage in HIV-tuberculosis immune reconstitution inflammatory syndrome. 2014 , 44, 127-36		43
65	Functional polymorphisms in the matrix metalloproteinase genes and their association with bladder cancer risk and recurrence: a mini-review. 2014 , 21, 744-52		12
64	Antenatal exposure of maternal secondhand smoke (SHS) increases fetal lung expression of RAGE and induces RAGE-mediated pulmonary inflammation. <i>Respiratory Research</i> , 2014 , 15, 129	7-3	18
63	A review of the use of melatonin in ulcerative colitis: experimental evidence and new approaches. 2014 , 20, 553-63		21
62	Domain structure and function of matrix metalloprotease 23 (MMP23): role in potassium channel trafficking. 2014 , 71, 1191-210		22
61	Nitric oxide-matrix metalloproteinase-9 interactions: biological and pharmacological significance--NO and MMP-9 interactions. 2014 , 1843, 603-17		65
60	Overexpression of matrix metalloproteinases in lung tissue of patients with primary spontaneous pneumothorax. 2014 , 88, 418-25		9
59	Effects of Fengbaisan on the expression of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in lung tissue of rats with chronic obstructive pulmonary disease. 2014 , 20, 224-31		2
58	Effects of Rho-kinase inhibition in lung tissue with chronic inflammation. 2014 , 192, 134-46		32

57	Genetic polymorphisms of matrix metalloproteinases and protein levels in chronic obstructive pulmonary disease in a Mexican population. 2015 , 9, 979-88	10
56	Winter Polycyclic Aromatic Hydrocarbon-Bound Particulate Matter from Peri-urban North China Promotes Lung Cancer Cell Metastasis. 2015 , 49, 14484-93	71
55	Role of genetics in lung transplant complications. 2015 , 47, 106-15	10
54	Differential effects of dexamethasone and rosiglitazone in a sephadex-induced model of lung inflammation in rats: possible role of tissue inhibitor of metalloproteinase-3. 2015 , 47, 153-9	3
53	Cochinchina momordica seed suppresses proliferation and metastasis in human lung cancer cells by regulating multiple molecular targets. 2015 , 43, 149-66	15
52	Mast cells play an important role in chlamydia pneumoniae lung infection by facilitating immune cell recruitment into the airway. <i>Journal of Immunology</i> , 2015 , 194, 3840-51	5-3 19
51	Induction of Immune Tolerance to Dietary Antigens. 2015 , 850, 93-118	10
50	The prokaryotic zinc-finger: structure, function and comparison with the eukaryotic counterpart. 2015 , 282, 4480-96	39
49	Study the level of sputum matrix metalloproteinase-9 and tissue inhibitor metalloprotenase-1 in patients with interstitial lung diseases. 2016 , 65, 303-309	3
48	2-Deoxy glucose regulate MMP-9 in a SIRT-1 dependent and NFkB independent mechanism. 2016 , 423, 197-206	8
47	Cathepsin K Contributes to Cavitation and Collagen Turnover in Pulmonary Tuberculosis. 2016 , 213, 618-27	22
46	Atorvastatin and Simvastatin Promoted Mouse Lung Repair After Cigarette Smoke-Induced Emphysema. 2017 , 40, 965-979	18
45	Macrophage Elastase Induces TRAIL-mediated Tumor Cell Death through Its Carboxy-Terminal Domain. 2017 , 196, 353-363	13
44	Expression and Purification of a Matrix Metalloprotease Transmembrane Domain in Escherichia coli. 2017 , 1579, 17-33	
43	A murine model of elastase- and cigarette smoke-induced emphysema. 2017 , 43, 95-100	18
42	Effect of simvastatin on MMPs and TIMPs in cigarette smoke-induced rat COPD model. 2017 , 12, 717-724	16
41	Progesterone attenuates airway remodeling and glucocorticoid resistance in a murine model of exposing to ozone. 2018 , 96, 69-77	11
40	Polydatin exerts anti-tumor effects against renal cell carcinoma cells via induction of caspase-dependent apoptosis and inhibition of the PI3K/Akt pathway. 2018 , 11, 8185-8195	5

39	Cigarette smoke-induced RANKL expression enhances MMP-9 production by alveolar macrophages. 2019 , 14, 81-91		13
38	Matrix metalloproteinase inhibitors enhance the efficacy of frontline drugs against Mycobacterium tuberculosis. 2018 , 14, e1006974		34
37	Elevated levels of matrix metalloproteinases reflect severity and extent of disease in tuberculosis-diabetes co-morbidity and are predominantly reversed following standard anti-tuberculosis or metformin treatment. 2018 , 18, 345		21
36	Matrix metalloproteinase activity in the lung is increased in Hermansky-Pudlak syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2019 , 14, 162	4.2	12
35	Differential estrogen-receptor activation regulates extracellular matrix deposition in human airway smooth muscle remodeling NF- κ B pathway. <i>FASEB Journal</i> , 2019 , 33, 13935-13950	0.9	16
34	Optical Molecular Imaging of Inflammatory Cells in Interventional Medicine-An Emerging Strategy. <i>Frontiers in Oncology</i> , 2019 , 9, 882	5.3	5
33	Upregulation of Chitinase 1 in Alveolar Macrophages of HIV-Infected Smokers. <i>Journal of Immunology</i> , 2019 , 202, 1363-1372	5.3	8
32	Bronchial epithelium repair by Esculentin-1a-derived antimicrobial peptides: involvement of metalloproteinase-9 and interleukin-8, and evaluation of peptides immunogenicity. <i>Scientific Reports</i> , 2019 , 9, 18988	4.9	6
31	Airway infection with Nontypeable Haemophilus influenzae is more rapidly eradicated in vitamin D deficient mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 187, 42-51	5.1	8
30	Matrix Metalloprotease-7 Mediates Nucleolar Assembly and Intra-nucleolar Cleaving p53 in Gefitinib-Resistant Cancer Stem Cells. <i>IScience</i> , 2020 , 23, 101600	6.1	0
29	miR-21 mediates nickel nanoparticle-induced pulmonary injury and fibrosis. <i>Nanotoxicology</i> , 2020 , 14, 1175-1197	5.3	19
28	The role of inflammation in cystic fibrosis pulmonary exacerbations. <i>Expert Review of Respiratory Medicine</i> , 2020 , 14, 889-903	3.8	1
27	Circulating matrix metalloproteinases and tissue metalloproteinase inhibitors in patients with idiopathic pulmonary fibrosis in the multicenter IPF-PRO Registry cohort. <i>BMC Pulmonary Medicine</i> , 2020 , 20, 64	3.5	21
26	The Interplay Between Systemic Inflammation, Oxidative Stress, and Tissue Remodeling in Tuberculosis. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 471-485	8.4	15
25	Characteristics of matrix metalloproteinases and their role in embryogenesis of the mammalian respiratory system. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2021 , 75, 24-34	0.3	1
24	Hermansky-Pudlak Syndrome and Lung Disease: Pathogenesis and Therapeutics. <i>Frontiers in Pharmacology</i> , 2021 , 12, 644671	5.6	4
23	Optical Detection of Distal Lung Enzyme Activity in Human Inflammatory Lung Disease. <i>BME Frontiers</i> , 2021 , 2021, 1-11	4.4	3
22	A 6-month inhalation toxicology study in Apoe mice demonstrates substantially lower effects of e-vapor aerosol compared with cigarette smoke in the respiratory tract. <i>Archives of Toxicology</i> , 2021 , 95, 1805-1829	5.8	1

21	Pulmonary Edema in COVID-19 Patients: Mechanisms and Treatment Potential. <i>Frontiers in Pharmacology</i> , 2021 , 12, 664349	5.6	8
20	Relevance of Plasma Matrix Metalloproteinase-9 for Bronchiolitis Obliterans Syndrome after Allogeneic Hematopoietic Cell Transplantation. <i>Transplantation and Cellular Therapy</i> , 2021 , 27, 759.e1-759.e8		0
19	Inhibitory effect of Platycodi Radix on ovalbumin-induced airway inflammation in a murine model of asthma. <i>Food and Chemical Toxicology</i> , 2009 , 47, 1272-1279	4.7	43
18	Regulation of Alveolarization. 2004 , 794-801		3
17	Chronic Bronchitis and Emphysema. 2010 , 919-967		14
16	Identification of neutrophil activation markers as novel surrogate markers of CF lung disease. <i>PLoS ONE</i> , 2014 , 9, e115847	3.7	11
15	Gender-dependent differences in plasma matrix metalloproteinase-8 elevated in pulmonary tuberculosis. <i>PLoS ONE</i> , 2015 , 10, e0117605	3.7	24
14	Ischemia / Myocardial Infarction. 2003 , 139-155		
13	Proteases in interstitial lung diseases. 2003 , 57-73		
12	The role of matrix metalloproteinases in LV remodeling following myocardial infarction. 2003 , 57-75		
11	Association of polymorphic variants of matrix metalloproteinase and antiprotease genes with development and severity of chronic obstructive pulmonary disease. <i>Pulmonologiya</i> , 2008 , 33-38	0.8	
10	Polymorphism in promoter regions of matrix metalloproteinases (MMP1, MMP9, and MMP12) in chronic obstructive pulmonary disease patients. 2010 , 44, 202		
9	Respiratory Homeostatic Dysfunction, Lower Respiratory Tract Dysfunction. 2014 , 99-250		
8	Alveologenesis: What Governs Secondary Septa Formation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
7	Matrix Metalloproteinases on Severe COVID-19 Lung Disease Pathogenesis: Cooperative Actions of MMP-8/MMP-2 Axis on Immune Response through HLA-G Shedding and Oxidative Stress. <i>Biomolecules</i> , 2022 , 12, 604	5.9	3
6	Recent Advances in Host-Directed Therapies for Tuberculosis and Malaria. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12,	5.9	
5	Defining the Versican Interactome in Lung Health and Disease. <i>American Journal of Physiology - Cell Physiology</i> ,	5.4	
4	Use of a 3D inkjet-printed model to access dust particle toxicology in the human alveolar barrier.		0

- 3 Host-directed therapies in pulmonary tuberculosis: Updates on anti-inflammatory drugs. 9, 1
- 2 Matrix metalloproteinase-7 is increased in lung bases but not apices in idiopathic pulmonary fibrosis. **2022**, 8, 00191-2022 0
- 1 Role of viral load and host cytokines in determining the disease severity of Respiratory Syncytial Virus associated acute lower respiratory tract infections in children.. **2023**, 0