

George Kollias

List of Publications by Citations

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

241
papers

28,734
citations

81
h-index

167
g-index

275
ext. papers

31,639
ext. citations

11
avg, IF

6.52
L-index

#	Paper	IF	Citations
241	The transcriptional landscape of the mammalian genome. <i>Science</i> , 2005 , 309, 1559-63	33.3	2807
240	Position-independent, high-level expression of the human beta-globin gene in transgenic mice. <i>Cell</i> , 1987 , 51, 975-85	56.2	1864
239	Onset and progression in inherited ALS determined by motor neurons and microglia. <i>Science</i> , 2006 , 312, 1389-92	33.3	1242
238	Impaired on/off regulation of TNF biosynthesis in mice lacking TNF AU-rich elements: implications for joint and gut-associated immunopathologies. <i>Immunity</i> , 1999 , 10, 387-98	32.3	1092
237	The transmembrane form of tumor necrosis factor is the prime activating ligand of the 80 kDa tumor necrosis factor receptor. <i>Cell</i> , 1995 , 83, 793-802	56.2	1086
236	Immune and inflammatory responses in TNF alpha-deficient mice: a critical requirement for TNF alpha in the formation of primary B cell follicles, follicular dendritic cell networks and germinal centers, and in the maturation of the humoral immune response. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1397-411	16.6	988
235	CXCR4-activated astrocyte glutamate release via TNFalpha: amplification by microglia triggers neurotoxicity. <i>Nature Neuroscience</i> , 2001 , 4, 702-10	25.5	876
234	Mice deficient in tumor necrosis factor-alpha are resistant to skin carcinogenesis. <i>Nature Medicine</i> , 1999 , 5, 828-31	50.5	706
233	TNF-alpha induction by LPS is regulated posttranscriptionally via a Tpl2/ERK-dependent pathway. <i>Cell</i> , 2000 , 103, 1071-83	56.2	682
232	Interleukin 6 is required for the development of collagen-induced arthritis. <i>Journal of Experimental Medicine</i> , 1998 , 187, 461-8	16.6	495
231	Osteoclasts are essential for TNF-mediated joint destruction. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1419-1427	15.9	368
230	Mesenchymal cell targeting by TNF as a common pathogenic principle in chronic inflammatory joint and intestinal diseases. <i>Journal of Experimental Medicine</i> , 2008 , 205, 331-7	16.6	366
229	Predominant pathogenic role of tumor necrosis factor in experimental colitis in mice. <i>European Journal of Immunology</i> , 1997 , 27, 1743-50	6.1	357
228	Spontaneous inflammatory demyelinating disease in transgenic mice showing central nervous system-specific expression of tumor necrosis factor alpha. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 11294-8	11.5	344
227	Mast cells control neutrophil recruitment during T cell-mediated delayed-type hypersensitivity reactions through tumor necrosis factor and macrophage inflammatory protein 2. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1441-52	16.6	343
226	MK2 targets AU-rich elements and regulates biosynthesis of tumor necrosis factor and interleukin-6 independently at different post-transcriptional levels. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3065-8	5.4	324
225	Uncoupling the proinflammatory from the immunosuppressive properties of tumor necrosis factor (TNF) at the p55 TNF receptor level: implications for pathogenesis and therapy of autoimmune demyelination. <i>Journal of Experimental Medicine</i> , 2001 , 193, 427-34	16.6	294

224	Endothelial cell-specific NF-kappaB inhibition protects mice from atherosclerosis. <i>Cell Metabolism</i> , 2008 , 8, 372-83	24.6	279
223	Regulated expression of human A gamma-, beta-, and hybrid gamma beta-globin genes in transgenic mice: manipulation of the developmental expression patterns. <i>Cell</i> , 1986 , 46, 89-94	56.2	272
222	Oligodendrocyte apoptosis and primary demyelination induced by local TNF/p55TNF receptor signaling in the central nervous system of transgenic mice: models for multiple sclerosis with primary oligodendroglipathy. <i>American Journal of Pathology</i> , 1998 , 153, 801-13	5.8	269
221	Single and combined inhibition of tumor necrosis factor, interleukin-1, and RANKL pathways in tumor necrosis factor-induced arthritis: effects on synovial inflammation, bone erosion, and cartilage destruction. <i>Arthritis and Rheumatism</i> , 2004 , 50, 277-90		264
220	Proof of concept: enthesitis and new bone formation in spondyloarthritis are driven by mechanical strain and stromal cells. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, 437-45	2.4	259
219	Chronic tumor necrosis factor alters T cell responses by attenuating T cell receptor signaling. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1573-84	16.6	257
218	Inducible transgenic mice reveal resting dendritic cells as potent inducers of CD8+ T cell tolerance. <i>Immunity</i> , 2003 , 18, 713-20	32.3	254
217	Blockade of TNF- α rapidly inhibits pain responses in the central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3731-6	11.5	237
216	The tumor-promoting actions of TNF-alpha involve TNFR1 and IL-17 in ovarian cancer in mice and humans. <i>Journal of Clinical Investigation</i> , 2009 , 119, 3011-23	15.9	236
215	Tumor necrosis factor alpha-mediated joint destruction is inhibited by targeting osteoclasts with osteoprotegerin. <i>Arthritis and Rheumatism</i> , 2002 , 46, 785-92		221
214	On the role of tumor necrosis factor and receptors in models of multiorgan failure, rheumatoid arthritis, multiple sclerosis and inflammatory bowel disease. <i>Immunological Reviews</i> , 1999 , 169, 175-94	11.3	218
213	Function of TRADD in tumor necrosis factor receptor 1 signaling and in TRIF-dependent inflammatory responses. <i>Nature Immunology</i> , 2008 , 9, 1037-46	19.1	212
212	Genetic dissection of the cellular pathways and signaling mechanisms in modeled tumor necrosis factor-induced Crohn's-like inflammatory bowel disease. <i>Journal of Experimental Medicine</i> , 2002 , 196, 1563-74	16.6	211
211	Generation and characterization of p38beta (MAPK11) gene-targeted mice. <i>Molecular and Cellular Biology</i> , 2005 , 25, 10454-64	4.8	204
210	Interleukin-10 targets p38 MAPK to modulate ARE-dependent TNF mRNA translation and limit intestinal pathology. <i>EMBO Journal</i> , 2001 , 20, 3760-70	13	203
209	HuR as a negative posttranscriptional modulator in inflammation. <i>Molecular Cell</i> , 2005 , 19, 777-89	17.6	193
208	The mouse/human chimeric monoclonal antibody cA2 neutralizes TNF in vitro and protects transgenic mice from cachexia and TNF lethality in vivo. <i>Cytokine</i> , 1995 , 7, 15-25	4	192
207	Neuroinflammatory TNF- α impairs Memory via Astrocyte Signaling. <i>Cell</i> , 2015 , 163, 1730-41	56.2	190

206	The European dimension for the mouse genome mutagenesis program. <i>Nature Genetics</i> , 2004 , 36, 925-7	36.3	176
205	Peyer's patch organogenesis is intact yet formation of B lymphocyte follicles is defective in peripheral lymphoid organs of mice deficient for tumor necrosis factor and its 55-kDa receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 6319-23	11.5	174
204	Transgenic mice expressing the human inducible Hsp70 have hippocampal neurons resistant to ischemic injury. <i>Cell Stress and Chaperones</i> , 1997 , 2, 162-7	4	172
203	Tumor necrosis factor-alpha/nuclear transcription factor-kappaB signaling in periprosthetic osteolysis. <i>Journal of Orthopaedic Research</i> , 2000 , 18, 472-80	3.8	169
202	In vivo evidence for a functional role of both tumor necrosis factor (TNF) receptors and transmembrane TNF in experimental hepatitis. <i>European Journal of Immunology</i> , 1997 , 27, 2870-5	6.1	168
201	The human beta-globin gene contains a downstream developmental specific enhancer. <i>Nucleic Acids Research</i> , 1987 , 15, 5739-47	20.1	166
200	Osteoclasts are essential for TNF-alpha-mediated joint destruction. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1419-27	15.9	166
199	Role of TNF/TNFR in autoimmunity: specific TNF receptor blockade may be advantageous to anti-TNF treatments. <i>Cytokine and Growth Factor Reviews</i> , 2002 , 13, 315-21	17.9	157
198	Regulatory T cells protect from local and systemic bone destruction in arthritis. <i>Journal of Immunology</i> , 2010 , 184, 7238-46	5.3	153
197	Myeloid heme oxygenase-1 regulates innate immunity and autoimmunity by modulating IFN-beta production. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1167-79	16.6	151
196	Tumor necrosis factor (TNF) receptor shedding controls thresholds of innate immune activation that balance opposing TNF functions in infectious and inflammatory diseases. <i>Journal of Experimental Medicine</i> , 2004 , 200, 367-76	16.6	150
195	TNF-alpha transgenic and knockout models of CNS inflammation and degeneration. <i>Journal of Neuroimmunology</i> , 1997 , 72, 137-41	3.5	149
194	The type I interleukin-1 receptor acts in series with tumor necrosis factor (TNF) to induce arthritis in TNF-transgenic mice. <i>European Journal of Immunology</i> , 1995 , 25, 1794-7	6.1	147
193	The c-kit ligand, stem cell factor, can enhance innate immunity through effects on mast cells. <i>Journal of Experimental Medicine</i> , 1998 , 188, 2343-8	16.6	144
192	Role of TL1A and its receptor DR3 in two models of chronic murine ileitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8441-6	11.5	130
191	Apoptosis of oligodendrocytes via Fas and TNF-R1 is a key event in the induction of experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2005 , 175, 5875-84	5.3	129
190	Inflammation-induced formation of fat-associated lymphoid clusters. <i>Nature Immunology</i> , 2015 , 16, 819-828	8.8	128
189	Tumor Necrosis Factor Receptors Types 1 and 2 Differentially Regulate Osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 27307-27310	5.4	127

188	Osteoprotegerin protects against generalized bone loss in tumor necrosis factor-transgenic mice. <i>Arthritis and Rheumatism</i> , 2003 , 48, 2042-51		119
187	Autotaxin expression from synovial fibroblasts is essential for the pathogenesis of modeled arthritis. <i>Journal of Experimental Medicine</i> , 2012 , 209, 925-33	16.6	118
186	A murine transmembrane tumor necrosis factor (TNF) transgene induces arthritis by cooperative p55/p75 TNF receptor signaling. <i>European Journal of Immunology</i> , 1997 , 27, 2588-92	6.1	118
185	RANKL expressed on synovial fibroblasts is primarily responsible for bone erosions during joint inflammation. <i>Annals of the Rheumatic Diseases</i> , 2016 , 75, 1187-95	2.4	116
184	Repair of local bone erosions and reversal of systemic bone loss upon therapy with anti-tumor necrosis factor in combination with osteoprotegerin or parathyroid hormone in tumor necrosis factor-mediated arthritis. <i>American Journal of Pathology</i> , 2004 , 164, 543-55	5.8	114
183	Activation of p38 MAPK is a key step in tumor necrosis factor-mediated inflammatory bone destruction. <i>Arthritis and Rheumatism</i> , 2006 , 54, 463-72		112
182	Accelerated autoimmunity and lupus nephritis in NZB mice with an engineered heterozygous deficiency in tumor necrosis factor. <i>European Journal of Immunology</i> , 2000 , 30, 2038-47	6.1	112
181	A critical role of the p75 tumor necrosis factor receptor (p75TNF-R) in organ inflammation independent of TNF, lymphotoxin alpha, or the p55TNF-R. <i>Journal of Experimental Medicine</i> , 1998 , 188, 1343-52	16.6	111
180	Tumor necrosis factor alpha-deficient, but not interleukin-6-deficient, mice resist peripheral infection with scrapie. <i>Journal of Virology</i> , 2000 , 74, 3338-44	6.6	110
179	Inactivation of the deubiquitinase CYLD in hepatocytes causes apoptosis, inflammation, fibrosis, and cancer. <i>Cancer Cell</i> , 2012 , 21, 738-50	24.3	108
178	Cellular mechanisms of TNF function in models of inflammation and autoimmunity. <i>Current Directions in Autoimmunity</i> , 2010 , 11, 1-26		107
177	Tumor necrosis factor receptor signaling in keratinocytes triggers interleukin-24-dependent psoriasis-like skin inflammation in mice. <i>Immunity</i> , 2013 , 39, 899-911	32.3	106
176	Heme oxygenase 1 (HO-1) regulates osteoclastogenesis and bone resorption. <i>FASEB Journal</i> , 2005 , 19, 2011-3	0.9	104
175	Mesenchymal Cells in Colon Cancer. <i>Gastroenterology</i> , 2017 , 152, 964-979	13.3	102
174	Pleiotropic functions of TNF- α in the regulation of the intestinal epithelial response to inflammation. <i>International Immunology</i> , 2014 , 26, 509-15	4.9	102
173	Transmembrane TNF protects mutant mice against intracellular bacterial infections, chronic inflammation and autoimmunity. <i>European Journal of Immunology</i> , 2006 , 36, 2768-80	6.1	100
172	FDC-specific functions of p55TNFR and IKK2 in the development of FDC networks and of antibody responses. <i>Immunity</i> , 2006 , 24, 65-77	32.3	97
171	Soluble TNF mediates the transition from pulmonary inflammation to fibrosis. <i>PLoS ONE</i> , 2006 , 1, e108	3.7	96

170	TNF pathophysiology in murine models of chronic inflammation and autoimmunity. <i>Seminars in Arthritis and Rheumatism</i> , 2005 , 34, 3-6	5.3	93
169	Intestinal epithelial cells as producers but not targets of chronic TNF suffice to cause murine Crohn-like pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5396-401	11.5	92
168	Zoledronic acid protects against local and systemic bone loss in tumor necrosis factor-mediated arthritis. <i>Arthritis and Rheumatism</i> , 2004 , 50, 2327-37		91
167	Epigenetically-driven anatomical diversity of synovial fibroblasts guides joint-specific fibroblast functions. <i>Nature Communications</i> , 2017 , 8, 14852	17.4	89
166	Paracrine orchestration of intestinal tumorigenesis by a mesenchymal niche. <i>Nature</i> , 2020 , 580, 524-529	50.4	87
165	Role of beta7 integrin and the chemokine/chemokine receptor pair CCL25/CCR9 in modeled TNF-dependent Crohn's disease. <i>Gastroenterology</i> , 2008 , 134, 2025-35	13.3	87
164	Left-ventricular hypertrophy is associated better with 24-h aortic pressure than 24-h brachial pressure in hypertensive patients: the SAFAR study. <i>Journal of Hypertension</i> , 2014 , 32, 1805-14	1.9	86
163	Identification of microRNA-221/222 and microRNA-323-3p association with rheumatoid arthritis via predictions using the human tumour necrosis factor transgenic mouse model. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, 1716-23	2.4	83
162	Ectopic expression of Thy-1 in the kidneys of transgenic mice induces functional and proliferative abnormalities. <i>Cell</i> , 1987 , 51, 21-31	56.2	83
161	Mechanical strain determines the site-specific localization of inflammation and tissue damage in arthritis. <i>Nature Communications</i> , 2018 , 9, 4613	17.4	83
160	IKK β in intestinal mesenchymal cells promotes initiation of colitis-associated cancer. <i>Journal of Experimental Medicine</i> , 2015 , 212, 2235-51	16.6	81
159	Ligand-based virtual screening procedure for the prediction and the identification of novel amyloid aggregation inhibitors using Kohonen maps and Counterpropagation Artificial Neural Networks. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 497-508	6.8	81
158	Tumor necrosis factor and the p55TNF receptor are required for optimal development of the marginal sinus and for migration of follicular dendritic cell precursors into splenic follicles. <i>Cellular Immunology</i> , 2000 , 201, 33-41	4.4	81
157	TNF accelerates the onset but does not alter the incidence and severity of myelin basic protein-induced experimental autoimmune encephalomyelitis. <i>European Journal of Immunology</i> , 1999 , 29, 774-80	6.1	79
156	Inhibition of Syndecan-4 by therapeutic antibodies reduces TNF-dependent joint destruction in mice. <i>Arthritis Research and Therapy</i> , 2012 , 14,	5.7	78
155	Animal models for arthritis: innovative tools for prevention and treatment. <i>Annals of the Rheumatic Diseases</i> , 2011 , 70, 1357-62	2.4	78
154	Repair of local bone erosions by combined treatment with parathyroid hormone, osteoprotegerin and anti-tumor necrosis factor in tumor necrosis factor-transgenic mice. <i>Arthritis Research</i> , 2003 , 5, 126		78
153	CD44 regulates bone erosion and osteoclastogenesis in arthritis. <i>Arthritis Research</i> , 2003 , 5, 125		78

152	Exclusive tumor necrosis factor (TNF) signaling by the p75TNF receptor triggers inflammatory ischemia in the CNS of transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 709-14	11.5	76
151	The role of TNF-alpha during Wallerian degeneration. <i>Journal of Neuroimmunology</i> , 2000 , 108, 147-52	3.5	76
150	Inhibiting Interleukin 36 Receptor Signaling Reduces Fibrosis in Mice With Chronic Intestinal Inflammation. <i>Gastroenterology</i> , 2019 , 156, 1082-1097.e11	13.3	75
149	A20 prevents inflammasome-dependent arthritis by inhibiting macrophage necroptosis through its ZnF7 ubiquitin-binding domain. <i>Nature Cell Biology</i> , 2019 , 21, 731-742	23.4	67
148	The alpha-isoform of p38 MAPK specifically regulates arthritic bone loss. <i>Journal of Immunology</i> , 2009 , 183, 5938-47	5.3	67
147	Tumor necrosis factor-receptor 2 is up-regulated on lamina propria T cells in Crohn's disease and promotes experimental colitis in vivo. <i>European Journal of Immunology</i> , 2002 , 32, 3142-51	6.1	67
146	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. <i>Gut</i> , 2020 , 69, 1269-1282	19.2	66
145	Targeted disruption of the tumor necrosis factor-alpha gene: metabolic consequences in obese and nonobese mice. <i>Diabetes</i> , 1997 , 46, 1526-1531	0.9	63
144	Loss of downregulated in adenoma (DRA) impairs mucosal HCO ₃ ⁻ secretion in murine ileocolonic inflammation. <i>Inflammatory Bowel Diseases</i> , 2012 , 18, 101-11	4.5	62
143	Neurobehavioral alterations in developing transgenic mice expressing TNF-alpha in the brain. <i>Brain, Behavior, and Immunity</i> , 1996 , 10, 126-38	16.6	62
142	The mesenchymal context in inflammation, immunity and cancer. <i>Nature Immunology</i> , 2020 , 21, 974-982	19.1	59
141	Metabolic phenotyping of the Crohn's disease-like IBD etiopathology in the TNF(ΔARE/WT) mouse model. <i>Journal of Proteome Research</i> , 2011 , 10, 5523-35	5.6	57
140	Myocyte-dependent regulation of endothelial cell syndecan-4 expression. Role of TNF-alpha. <i>Journal of Biological Chemistry</i> , 1999 , 274, 14786-90	5.4	56
139	Differential regulation of a Thy-1 gene in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 1492-6	11.5	56
138	Tpl2 regulates intestinal myofibroblast HGF release to suppress colitis-associated tumorigenesis. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4231-42	15.9	56
137	Safe TNF-based antitumor therapy following p55TNFR reduction in intestinal epithelium. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2590-603	15.9	54
136	Antiinflammatory effects of tumor necrosis factor on hematopoietic cells in a murine model of erosive arthritis. <i>Arthritis and Rheumatism</i> , 2010 , 62, 1608-19		53
135	Intestinal myofibroblast-specific Tpl2-Cox-2-PGE2 pathway links innate sensing to epithelial homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4658-67	11.5	52

134	Predictive QSAR workflow for the in silico identification and screening of novel HDAC inhibitors. <i>Molecular Diversity</i> , 2009 , 13, 301-11	3.1	51
133	Molecular modeling on pyrimidine-urea inhibitors of TNF- α production: an integrated approach using a combination of molecular docking, classification techniques, and 3D-QSAR CoMSIA. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 711-23	6.1	50
132	Induction of autoantibody-mediated spontaneous arthritis critically depends on follicular dendritic cells. <i>Immunity</i> , 2009 , 30, 130-42	32.3	49
131	Comparative analysis of signal transduction by CD40 and the Epstein-Barr virus oncoprotein LMP1 in vivo. <i>Journal of Virology</i> , 2004 , 78, 13253-61	6.6	49
130	Treatment of inflammatory arthritis via targeting of tristetraprolin, a master regulator of pro-inflammatory gene expression. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 612-619	2.4	48
129	TNF α -dependent development of lymphoid tissue in the absence of ROR γ ⁺ lymphoid tissue inducer cells. <i>Mucosal Immunology</i> , 2014 , 7, 602-14	9.2	48
128	The loss of α 1 integrin suppresses joint inflammation and cartilage destruction in mouse models of rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2012 , 64, 1359-68		47
127	A novel QSAR model for predicting the inhibition of CXCR3 receptor by 4-N-aryl-[1,4] diazepane ureas. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 877-84	6.8	47
126	Arthritis induces lymphocytic bone marrow inflammation and endosteal bone formation. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 990-8	6.3	47
125	Complementation of lymphotoxin alpha knockout mice with tumor necrosis factor-expressing transgenes rectifies defective splenic structure and function. <i>Journal of Experimental Medicine</i> , 1998 , 188, 745-54	16.6	47
124	Tumor necrosis factor biology in experimental and clinical arthritis. <i>Current Opinion in Rheumatology</i> , 2003 , 15, 380-6	5.3	46
123	Attenuation of inflammatory polyarthritis in TNF transgenic mice by diacerein: comparative analysis with dexamethasone, methotrexate and anti-TNF protocols. <i>Arthritis Research</i> , 2004 , 6, R65-R72		46
122	Tumour necrosis factors in immune regulation: everything that's interesting is...new!. <i>Cytokine and Growth Factor Reviews</i> , 1996 , 7, 223-9	17.9	46
121	The synovium of transgenic arthritic mice expressing human tumor necrosis factor contains a high level of nerve growth factor. <i>Growth Factors</i> , 1993 , 9, 149-55	1.6	46
120	Cutting edge: A critical role of B and T lymphocyte attenuator in peripheral T cell tolerance induction. <i>Journal of Immunology</i> , 2009 , 182, 4516-20	5.3	45
119	A RANKL G278R mutation causing osteopetrosis identifies a functional amino acid essential for trimer assembly in RANKL and TNF. <i>Human Molecular Genetics</i> , 2012 , 21, 784-98	5.6	45
118	Cytoskeletal rearrangements in synovial fibroblasts as a novel pathophysiological determinant of modeled rheumatoid arthritis. <i>PLoS Genetics</i> , 2005 , 1, e48	6	45
117	In silico exploration for identifying structure-activity relationship of MEK inhibition and oral bioavailability for isothiazole derivatives. <i>Chemical Biology and Drug Design</i> , 2010 , 76, 397-406	2.9	44

116	A combined LS-SVM & MLR QSAR workflow for predicting the inhibition of CXCR3 receptor by quinazolinone analogs. <i>Molecular Diversity</i> , 2010 , 14, 225-35	3.1	44
115	Wnt1 silences chemokine genes in dendritic cells and induces adaptive immune resistance in lung adenocarcinoma. <i>Nature Communications</i> , 2019 , 10, 1405	17.4	43
114	Cutting edge: antilisterial activity of CD8+ T cells derived from TNF-deficient and TNF/perforin double-deficient mice. <i>Journal of Immunology</i> , 2000 , 165, 5-9	5.3	42
113	Fibroblasts as immune regulators in infection, inflammation and cancer. <i>Nature Reviews Immunology</i> , 2021 , 21, 704-717	36.5	42
112	Exploratory and displacement behavior in transgenic mice expressing high levels of brain TNF-alpha. <i>Physiology and Behavior</i> , 1998 , 63, 571-6	3.5	41
111	Mouse Phenotype Database Integration Consortium: integration [corrected] of mouse phenome data resources. <i>Mammalian Genome</i> , 2007 , 18, 157-63	3.2	41
110	TNFR2 on non-haematopoietic cells is required for Foxp3+ Treg-cell function and disease suppression in EAE. <i>European Journal of Immunology</i> , 2012 , 42, 403-12	6.1	40
109	Adenovirus-based overexpression of tissue inhibitor of metalloproteinases 1 reduces tissue damage in the joints of tumor necrosis factor alpha transgenic mice. <i>Arthritis and Rheumatism</i> , 2001 , 44, 2888-98		40
108	Invariant natural killer T cells are natural regulators of murine spondylarthritis. <i>Arthritis and Rheumatism</i> , 2010 , 62, 988-99		39
107	Fibroblast biology. Synovial fibroblasts in rheumatoid arthritis: leading role or chorus line?. <i>Arthritis Research</i> , 2000 , 2, 342-3		39
106	Cheminformatics-aided discovery of small-molecule Protein-Protein Interaction (PPI) dual inhibitors of Tumor Necrosis Factor (TNF) and Receptor Activator of NF- κ B Ligand (RANKL). <i>PLoS Computational Biology</i> , 2017 , 13, e1005372	5	37
105	Murine TNF(DeltaARE) Crohn's disease model displays diminished expression of intestinal Ca ²⁺ transporters. <i>Inflammatory Bowel Diseases</i> , 2008 , 14, 803-11	4.5	35
104	Dissection of the pathologies induced by transmembrane and wild-type tumor necrosis factor in transgenic mice. <i>Journal of Leukocyte Biology</i> , 1996 , 59, 518-25	6.5	35
103	Inhibition of tumor necrosis factor mRNA translation by a rationally designed immunomodulatory peptide. <i>Journal of Biological Chemistry</i> , 2000 , 275, 17051-7	5.4	34
102	Cathepsin K deficiency partially inhibits, but does not prevent, bone destruction in human tumor necrosis factor-transgenic mice. <i>Arthritis and Rheumatism</i> , 2008 , 58, 422-34		33
101	Protection of zinc against tumor necrosis factor induced lethal inflammation depends on heat shock protein 70 and allows safe antitumor therapy. <i>Cancer Research</i> , 2007 , 67, 7301-7	10.1	33
100	Tumor necrosis factor-alpha regulation of insulin-like growth factor-I, type 1 IGF receptor, and IGF binding protein expression in cerebellum of transgenic mice. <i>Journal of Neuroscience Research</i> , 2003 , 71, 721-31	4.4	33
99	The role of TNF/TNFR in organ-specific and systemic autoimmunity: implications for the design of optimized anti-TNF therapies. <i>Current Directions in Autoimmunity</i> , 2002 , 5, 30-50		33

98	A tumor necrosis factor-induced model of human primary demyelinating diseases develops in immunodeficient mice. <i>European Journal of Immunology</i> , 1999 , 29, 912-7	6.1	33
97	Transmembrane TNF-Reverse Signaling Inhibits Lipopolysaccharide-Induced Proinflammatory Cytokine Formation in Macrophages by Inducing TGF-β Therapeutic Implications. <i>Journal of Immunology</i> , 2016 , 196, 1146-57	5.3	32
96	Role of the innate immune system in acute viral myocarditis. <i>Basic Research in Cardiology</i> , 2009 , 104, 228-37	11.8	32
95	Multivesicular bodies in intestinal epithelial cells: responsible for MHC class II-restricted antigen processing and origin of exosomes. <i>Immunology</i> , 2008 , 125, 510-21	7.8	32
94	Insulin-like growth factor-I ameliorates demyelination induced by tumor necrosis factor-alpha in transgenic mice. <i>Journal of Neuroscience Research</i> , 2007 , 85, 712-22	4.4	32
93	Functional analysis of an arthritogenic synovial fibroblast. <i>Arthritis Research</i> , 2003 , 5, R140-57		32
92	Aberrant expression of the autoantigen heterogeneous nuclear ribonucleoprotein-A2 (RA33) and spontaneous formation of rheumatoid arthritis-associated anti-RA33 autoantibodies in TNF-alpha transgenic mice. <i>Journal of Immunology</i> , 2005 , 175, 8327-36	5.3	32
91	TNF and receptors in organ-specific autoimmune disease: multi-layered functioning mirrored in animal models. <i>Journal of Clinical Investigation</i> , 2001 , 107, 1507-8	15.9	32
90	MK2 regulates the early stages of skin tumor promotion. <i>Carcinogenesis</i> , 2009 , 30, 2100-8	4.6	31
89	A splicing mutation in the novel mitochondrial protein DNAJC11 causes motor neuron pathology associated with cristae disorganization, and lymphoid abnormalities in mice. <i>PLoS ONE</i> , 2014 , 9, e104237	3.7	30
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