David A Hume

List of Publications by Year in Descending Order

397 papers	41,126 citations	97 h-index	195 g-index
423 ext. papers	48,536 ext. citations	8.1 avg, IF	7.21 L-index

#	Paper	IF	Citations
397	Use of quantitative real-time PCR to determine the local inflammatory response in the intestinal mucosa and muscularis of horses undergoing small intestinal resection. *Equine Veterinary Journal*, **2022**, 54, 52-62	2.4	0
396	Generation and network analysis of an RNA-seq transcriptional atlas for the rat.. *NAR Genomics and Bioinformatics*, **2022**, 4, lqac017	3.7	0
395	Tumor-associated macrophage heterogeneity is driven by tissue territories in breast cancer. *Cell Reports*, **2022**, 39, 110865	10.6	0
394	Functions of macrophage colony-stimulating factor (CSF1) in development, homeostasis, and tissue repair. *Seminars in Immunology*, **2021**, 54, 101509	10.7	3
393	Fragmentation of tissue-resident macrophages during isolation confounds analysis of single-cell preparations from mouse hematopoietic tissues. *Cell Reports*, **2021**, 37, 110058	10.6	4
392	Analysis of homozygous and heterozygous Csf1r knockout in the rat as a model for understanding microglial function in brain development and the impacts of human CSF1R mutations. *Neurobiology of Disease*, **2021**, 151, 105268	7.5	11
391	CRISPR-Cas9 Editing of Human Histone Deubiquitinase Gene in Human Monocytic Leukemia Cell Line THP-1. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 679544	5.7	2
390	A binge high sucrose diet provokes systemic and cerebral inflammation in rats without inducing obesity. *Scientific Reports*, **2021**, 11, 11252	4.9	3
389	The Mononuclear Phagocyte System of the Rat. *Journal of Immunology*, **2021**, 206, 2251-2263	5.3	5
388	CSF1R-dependent macrophages control postnatal somatic growth and organ maturation. *PLoS Genetics*, **2021**, 17, e1009605	6	10
387	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. *Nature Communications*, **2021**, 12, 3297	17.4	3
386	The equine mononuclear phagocyte system: The relevance of the horse as a model for understanding human innate immunity. *Equine Veterinary Journal*, **2021**, 53, 231-249	2.4	3
385	Whole-Genome Sequence Data Suggest Environmental Adaptation of Ethiopian Sheep Populations. *Genome Biology and Evolution*, **2021**, 13,	3.9	2
384	Quantitative trait loci and transcriptome signatures associated with avian heritable resistance to Campylobacter. *Scientific Reports*, **2021**, 11, 1623	4.9	7
383	Stable colony-stimulating factor 1 fusion protein treatment increases hematopoietic stem cell pool and enhances their mobilisation in mice. *Journal of Hematology and Oncology*, **2021**, 14, 3	22.4	7
382	Treatment with a long-acting chimeric CSF1 molecule enhances fracture healing of healthy and osteoporotic bones. *Biomaterials*, **2021**, 275, 120936	15.6	2
381	On the utility of CSF1R inhibitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6

380	Immunohistochemical study of morphology and distribution of CD163 macrophages in the normal adult equine gastrointestinal tract. *Veterinary Immunology and Immunopathology*, **2020**, 226, 110073	2	2
379	Comprehensive Characterization of Transcriptional Activity during Influenza A Virus Infection Reveals Biases in Cap-Snatching of Host RNA Sequences. *Journal of Virology*, **2020**, 94,	6.6	6
378	An improved pig reference genome sequence to enable pig genetics and genomics research. *GigaScience*, **2020**, 9,	7.6	60
377	The Transcriptional Network That Controls Growth Arrest and Macrophage Differentiation in the Human Myeloid Leukemia Cell Line THP-1. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 498	5.7	10
376	Regulation and function of macrophage colony-stimulating factor (CSF1) in the chicken immune system. *Developmental and Comparative Immunology*, **2020**, 105, 103586	3.2	11
375	Network analysis of transcriptomic diversity amongst resident tissue macrophages and dendritic cells in the mouse mononuclear phagocyte system. *PLoS Biology*, **2020**, 18, e3000859	9.7	28
374	Expression of Calcification and Extracellular Matrix Genes in the Cardiovascular System of the Healthy Domestic Sheep (). *Frontiers in Genetics*, **2020**, 11, 919	4.5	1
373	Species-Specificity of Transcriptional Regulation and the Response to Lipopolysaccharide in Mammalian Macrophages. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 661	5.7	11
372	Measurement of serum Interleukin 34 (IL-34) and correlation with severity and pruritus scores in client-owned dogs with atopic dermatitis. *Veterinary Dermatology*, **2020**, 31, 359-e94	1.8	2
371	A Transgenic Line That Reports CSF1R Protein Expression Provides a Definitive Marker for the Mouse Mononuclear Phagocyte System. *Journal of Immunology*, **2020**, 205, 3154-3166	5.3	18
370	CNS macrophages differentially rely on an intronic enhancer for their development. *Development (Cambridge)*, **2020**, 147,	6.6	11
369	Functional evolution of the colony-stimulating factor 1 receptor (CSF1R) and its ligands in birds. *Journal of Leukocyte Biology*, **2020**, 107, 237-250	6.5	8
368	Phenotypic impacts of CSF1R deficiencies in humans and model organisms. *Journal of Leukocyte Biology*, **2020**, 107, 205-219	6.5	38
367	Analysis of the impact of CSF-1 administration in adult rats using a novel Csf1r-mApple reporter gene. *Journal of Leukocyte Biology*, **2020**, 107, 221-235	6.5	18
366	Transcriptomic Analysis of Rat Macrophages. *Frontiers in Immunology*, **2020**, 11, 594594	8.4	7
365	The Effect of Race Training on the Basal Gene Expression of Alveolar Macrophages Derived From Standardbred Racehorses. *Journal of Equine Veterinary Science*, **2019**, 75, 48-54	1.2	3
364	Measurement of serum macrophage migration inhibitory factor (MIF) and correlation with severity and pruritus scores in client owned dogs with atopic dermatitis. *Veterinary Dermatology*, **2019**, 30, 115	1.8	2
363	Examining the Impact of Imputation Errors on Fine-Mapping Using DNA Methylation QTL as a Model Trait. *Genetics*, **2019**, 212, 577-586	4	1

362	Functional Annotation of the Transcriptome of the Pig, , Based Upon Network Analysis of an RNAseq Transcriptional Atlas. *Frontiers in Genetics*, **2019**, 10, 1355	4.5	11
361	A Gene Expression Atlas of the Domestic Water Buffalo (). *Frontiers in Genetics*, **2019**, 10, 668	4.5	18
360	Deletion of a Csf1r enhancer selectively impacts CSF1R expression and development of tissue macrophage populations. *Nature Communications*, **2019**, 10, 3215	17.4	90
359	Developmental Stage-Specific Distribution of Macrophages in Mouse Mammary Gland. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 250	5.7	30
358	The Impact of CAGE Data on Understanding Macrophage Transcriptional Biology **2019**, 227-240		
357	Elimination of Reference Mapping Bias Reveals Robust Immune Related Allele-Specific Expression in Crossbred Sheep. *Frontiers in Genetics*, **2019**, 10, 863	4.5	9
356	Genetic and genomic analyses underpin the feasibility of concomitant genetic improvement of milk yield and mastitis resistance in dairy sheep. *PLoS ONE*, **2019**, 14, e0214346	3.7	4
355	A Mini-Atlas of Gene Expression for the Domestic Goat (). *Frontiers in Genetics*, **2019**, 10, 1080	4.5	6
354	Antigen Sampling -Expressing Epithelial Cells Are the Functional Equivalents of Mammalian M Cells in the Avian Follicle-Associated Epithelium. *Frontiers in Immunology*, **2019**, 10, 2495	8.4	12
353	Analysis of the Progeny of Sibling Matings Reveals Regulatory Variation Impacting the Transcriptome of Immune Cells in Commercial Chickens. *Frontiers in Genetics*, **2019**, 10, 1032	4.5	5
352	The Mononuclear Phagocyte System: The Relationship between Monocytes and Macrophages. *Trends in Immunology*, **2019**, 40, 98-112	14.4	88
351	Comprehensive Transcriptional Profiling of the Gastrointestinal Tract of Ruminants from Birth to Adulthood Reveals Strong Developmental Stage Specific Gene Expression. *G3: Genes, Genomes, Genetics*, **2019**, 9, 359-373	3.2	6
350	Assembly of a parts list of the human mitotic cell cycle machinery. *Journal of Molecular Cell Biology*, **2019**, 11, 703-718	6.3	31
349	Characterization of Subpopulations of Chicken Mononuclear Phagocytes That Express TIM4 and CSF1R. *Journal of Immunology*, **2019**, 202, 1186-1199	5.3	22
348	CD169 macrophages are critical for osteoblast maintenance and promote intramembranous and endochondral ossification during bone repair. *Biomaterials*, **2019**, 196, 51-66	15.6	64
347	-mApple Transgene Expression and Ligand Binding In Vivo Reveal Dynamics of CSF1R Expression within the Mononuclear Phagocyte System. *Journal of Immunology*, **2018**, 200, 2209-2223	5.3	42
346	Effects of anti-inflammatory drugs on the expression of tryptophan-metabolism genes by human macrophages. *Journal of Leukocyte Biology*, **2018**, 103, 681-692	6.5	15
345	The preterm labor associated ADAMTS2 gene is induced by glucocorticoids. *American Journal of Obstetrics and Gynecology*, **2018**, 219, 122-123	6.4	1

344	The role of CSF1R-dependent macrophages in control of the intestinal stem-cell niche. *Nature Communications*, **2018**, 9, 1272	17.4	86
343	Replicable and Coupled Changes in Innate and Adaptive Immune Gene Expression in Two Case-Control Studies of Blood Microarrays in Major Depressive Disorder. *Biological Psychiatry*, **2018**, 83, 70-80	7.9	102
342	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. *Immunity*, **2018**, 49, 312-325.e5	32.3	110
341	Combination of novel and public RNA-seq datasets to generate an mRNA expression atlas for the domestic chicken. *BMC Genomics*, **2018**, 19, 594	4.5	14
340	Macrophage colony-stimulating factor increases hepatic macrophage content, liver growth, and lipid accumulation in neonatal rats. *American Journal of Physiology - Renal Physiology*, **2018**, 314, G388-G398	5.1	24
339	Cross-species inference of long non-coding RNAs greatly expands the ruminant transcriptome. *Genetics Selection Evolution*, **2018**, 50, 20	4.9	24
338	Shared activity patterns arising at genetic susceptibility loci reveal underlying genomic and cellular architecture of human disease. *PLoS Computational Biology*, **2018**, 14, e1005934	5	8
337	Species-Specific Transcriptional Regulation of Genes Involved in Nitric Oxide Production and Arginine Metabolism in Macrophages. *ImmunoHorizons*, **2018**, 2, 27-37	2.7	31
336	Phenotypic and genetic variation in the response of chickens to Eimeria tenella induced coccidiosis. *Genetics Selection Evolution*, **2018**, 50, 63	4.9	20
335	A chicken bioreactor for efficient production of functional cytokines. *BMC Biotechnology*, **2018**, 18, 82	3.5	18
334	Dissecting the Genomic Architecture of Resistance to Parasitism in the Chicken. *Frontiers in Genetics*, **2018**, 9, 528	4.5	13
333	Immune Cell Gene Signatures for Profiling the Microenvironment of Solid Tumors. *Cancer Immunology Research*, **2018**, 6, 1388-1400	12.5	79
332	Pleiotropic Impacts of Macrophage and Microglial Deficiency on Development in Rats with Targeted Mutation of the Locus. *Journal of Immunology*, **2018**, 201, 2683-2699	5.3	60
331	ADGRE1 (EMR1, F4/80) Is a Rapidly-Evolving Gene Expressed in Mammalian Monocyte-Macrophages. *Frontiers in Immunology*, **2018**, 9, 2246	8.4	51
330	Self-repopulating recipient bone marrow resident macrophages promote long-term hematopoietic stem cell engraftment. *Blood*, **2018**, 132, 735-749	2.2	44
329	CCR2-dependent monocyte-derived macrophages resolve inflammation and restore gut motility in postoperative ileus. *Gut*, **2017**, 66, 2098-2109	19.2	45
328	A high resolution atlas of gene expression in the domestic sheep (Ovis aries). *PLoS Genetics*, **2017**, 13, e1006997	6	79
327	Analysis of the human monocyte-derived macrophage transcriptome and response to lipopolysaccharide provides new insights into genetic aetiology of inflammatory bowel disease. *PLoS Genetics*, **2017**, 13, e1006641	6	64

326	FANTOM5 CAGE profiles of human and mouse samples. *Scientific Data*, **2017**, 4, 170112	8.2	88
325	Transcriptional mechanisms that control expression of the macrophage colony-stimulating factor receptor locus. *Clinical Science*, **2017**, 131, 2161-2182	6.5	29
324	Identification of the macrophage-specific promoter signature in FANTOM5 mouse embryo developmental time course data. *Journal of Leukocyte Biology*, **2017**, 102, 1081-1092	6.5	24
323	Integration of quantitated expression estimates from polyA-selected and rRNA-depleted RNA-seq libraries. *BMC Bioinformatics*, **2017**, 18, 301	3.6	18
322	Role of bone marrow macrophages in controlling homeostasis and repair in bone and bone marrow niches. *Seminars in Cell and Developmental Biology*, **2017**, 61, 12-21	7.5	65
321	Resting and injury-induced inflamed periosteum contain multiple macrophage subsets that are located at sites of bone growth and regeneration. *Immunology and Cell Biology*, **2017**, 95, 7-16	5	35
320	The evolution of the macrophage-specific enhancer (Fms intronic regulatory element) within the CSF1R locus of vertebrates. *Scientific Reports*, **2017**, 7, 17115	4.9	7
319	Glucocorticoid Receptor Binding Induces Rapid and Prolonged Large-Scale Chromatin Decompaction at Multiple Target Loci. *Cell Reports*, **2017**, 21, 3022-3031	10.6	29
318	Transcriptional Regulation and Macrophage Differentiation **2017**, 117-139		1
317	Jmjd6, a JmjC Dioxygenase with Many Interaction Partners and Pleiotropic Functions. *Frontiers in Genetics*, **2017**, 8, 32	4.5	31
316	Effects of Eimeria tenella infection on chicken caecal microbiome diversity, exploring variation associated with severity of pathology. *PLoS ONE*, **2017**, 12, e0184890	3.7	57
315	A Csf1r-EGFP Transgene Provides a Novel Marker for Monocyte Subsets in Sheep. *Journal of Immunology*, **2016**, 197, 2297-305	5.3	17
314	Genome-wide association studies of immune, disease and production traits in indigenous chicken ecotypes. *Genetics Selection Evolution*, **2016**, 48, 74	4.9	27
313	Enhancer Turnover Is Associated with a Divergent Transcriptional Response to Glucocorticoid in Mouse and Human Macrophages. *Journal of Immunology*, **2016**, 196, 813-822	5.3	45
312	Induction of interferon and cell death in response to cytosolic DNA in chicken macrophages. *Developmental and Comparative Immunology*, **2016**, 59, 145-52	3.2	15
311	Macrophage colony-stimulating factor (CSF1) controls monocyte production and maturation and the steady-state size of the liver in pigs. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G533-47	5.1	33
310	Transcriptional Regulation and Macrophage Differentiation. *Microbiology Spectrum*, **2016**, 4,	8.9	15
309	Analysis of the function of IL-10 in chickens using specific neutralising antibodies and a sensitive capture ELISA. *Developmental and Comparative Immunology*, **2016**, 63, 206-12	3.2	34

308	Functional annotation of the T-cell immunoglobulin mucin family in birds. *Immunology*, **2016**, 148, 287-303	7.8	7
307	Oncogenic properties of apoptotic tumor cells in aggressive B cell lymphoma. *Current Biology*, **2015**, 25, 577-88	6.3	66
306	Third Report on Chicken Genes and Chromosomes 2015. *Cytogenetic and Genome Research*, **2015**, 145, 78-179	1.9	57
305	The development and maintenance of the mononuclear phagocyte system of the chick is controlled by signals from the macrophage colony-stimulating factor receptor. *BMC Biology*, **2015**, 13, 12	7.3	42
304	Technical Advance: Transcription factor, promoter, and enhancer utilization in human myeloid cells. *Journal of Leukocyte Biology*, **2015**, 97, 985-995	6.5	17
303	A transcriptional perspective on human macrophage biology. *Seminars in Immunology*, **2015**, 27, 44-50	10.7	27
302	Dengue virus NS1 protein activates cells via Toll-like receptor 4 and disrupts endothelial cell monolayer integrity. *Science Translational Medicine*, **2015**, 7, 304ra142	17.5	288
301	Recognised veterinary practice in the context of clinical field trials. *Veterinary Record*, **2015**, 176, 552	0.9	2
300	Identification and annotation of conserved promoters and macrophage-expressed genes in the pig genome. *BMC Genomics*, **2015**, 16, 970	4.5	9
299	Identification of Low-Confidence Regions in the Pig Reference Genome (Sscrofa10.2). *Frontiers in Genetics*, **2015**, 6, 338	4.5	24
298	The Many Alternative Faces of Macrophage Activation. *Frontiers in Immunology*, **2015**, 6, 370	8.4	181
297	Cell-autonomous sex differences in gene expression in chicken bone marrow-derived macrophages. *Journal of Immunology*, **2015**, 194, 2338-44	5.3	19
296	Plant breeding: UK bioscientists push for crop policy. *Nature*, **2015**, 521, 423	50.4	
295	CSF1 Restores Innate Immunity After Liver Injury in Mice and Serum Levels Indicate Outcomes of Patients With Acute Liver Failure. *Gastroenterology*, **2015**, 149, 1896-1909.e14	13.3	112
294	Exome Sequencing: Current and Future Perspectives. *G3: Genes, Genomes, Genetics*, **2015**, 5, 1543-50	3.2	125
293	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. *Science*, **2015**, 347, 1010-4	33.3	384
292	Immune surveillance of the lung by migrating tissue monocytes. *ELife*, **2015**, 4, e07847	8.9	67
291	A promoter-level mammalian expression atlas. *Nature*, **2014**, 507, 462-70	50.4	1301

290	Transcriptional switching in macrophages associated with the peritoneal foreign body response. *Immunology and Cell Biology*, **2014**, 92, 518-26	5	33
289	An atlas of active enhancers across human cell types and tissues. *Nature*, **2014**, 507, 455-461	50.4	1595
288	Transcription and enhancer profiling in human monocyte subsets. *Blood*, **2014**, 123, e90-9	2.2	101
287	Analysis of the transcriptional networks underpinning the activation of murine macrophages by inflammatory mediators. *Journal of Leukocyte Biology*, **2014**, 96, 167-83	6.5	33
286	Homeostasis in the mononuclear phagocyte system. *Trends in Immunology*, **2014**, 35, 358-67	14.4	124
285	Design and development of exome capture sequencing for the domestic pig (Sus scrofa). *BMC Genomics*, **2014**, 15, 550	4.5	24
284	Production and characterisation of a monoclonal antibody that recognises the chicken CSF1 receptor and confirms that expression is restricted to macrophage-lineage cells. *Developmental and Comparative Immunology*, **2014**, 42, 278-85	3.2	22
283	Lentiviral vectors containing mouse Csf1r control elements direct macrophage-restricted expression in multiple species of birds and mammals. *Molecular Therapy - Methods and Clinical Development*, **2014**, 1, 14010	6.4	10
282	The Biology of Macrophages **2014**, 71-93		3
281	Characterisation of a novel Fc conjugate of macrophage colony-stimulating factor. *Molecular Therapy*, **2014**, 22, 1580-92	11.7	63
280	Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. *Development (Cambridge)*, **2014**, 141, 3255-65	6.6	65
279	Transcriptomic analysis of mononuclear phagocyte differentiation and activation. *Immunological Reviews*, **2014**, 262, 74-84	11.3	38
278	Pleiotropic effects of extended blockade of CSF1R signaling in adult mice. *Journal of Leukocyte Biology*, **2014**, 96, 265-74	6.5	67
277	Network analysis reveals distinct clinical syndromes underlying acute mountain sickness. *PLoS ONE*, **2014**, 9, e81229	3.7	38
276	The MacBlue binary transgene (csf1r-gal4VP16/UAS-ECFP) provides a novel marker for visualisation of subsets of monocytes, macrophages and dendritic cells and responsiveness to CSF1 administration. *PLoS ONE*, **2014**, 9, e105429	3.7	43
275	Coexpression analysis of large cancer datasets provides insight into the cellular phenotypes of the tumour microenvironment. *BMC Genomics*, **2013**, 14, 469	4.5	32
274	Structural and functional annotation of the porcine immunome. *BMC Genomics*, **2013**, 14, 332	4.5	128
273	An expression atlas of human primary cells: inference of gene function from coexpression networks. *BMC Genomics*, **2013**, 14, 632	4.5	171

272	The impact of breed and tissue compartment on the response of pig macrophages to lipopolysaccharide. *BMC Genomics*, **2013**, 14, 581	4.5	36
271	IL-4 directly signals tissue-resident macrophages to proliferate beyond homeostatic levels controlled by CSF-1. *Journal of Experimental Medicine*, **2013**, 210, 2477-91	16.6	269
270	Fate mapping reveals origins and dynamics of monocytes and tissue macrophages under homeostasis. *Immunity*, **2013**, 38, 79-91	32.3	1804
269	Cloning and expression of feline colony stimulating factor receptor (CSF-1R) and analysis of the species specificity of stimulation by colony stimulating factor-1 (CSF-1) and interleukin-34 (IL-34). *Cytokine*, **2013**, 61, 630-8	4	16
268	Can DCs be distinguished from macrophages by molecular signatures?. *Nature Immunology*, **2013**, 14, 187-9	19.1	58
267	The equine alveolar macrophage: functional and phenotypic comparisons with peritoneal macrophages. *Veterinary Immunology and Immunopathology*, **2013**, 155, 219-28	2	30
266	Histone deacetylase 7 promotes Toll-like receptor 4-dependent proinflammatory gene expression in macrophages. *Journal of Biological Chemistry*, **2013**, 288, 25362-25374	5.4	61
265	Comparative analysis of monocyte subsets in the pig. *Journal of Immunology*, **2013**, 190, 6389-96	5.3	71
264	CX3CR1 reduces Ly6Chigh-monocyte motility within and release from the bone marrow after chemotherapy in mice. *Blood*, **2013**, 122, 674-83	2.2	51
263	CSF1R mutations in hereditary diffuse leukoencephalopathy with spheroids are loss of function. *Scientific Reports*, **2013**, 3, 3013	4.9	45
262	Regulated expression of PTPRJ/CD148 and an antisense long noncoding RNA in macrophages by proinflammatory stimuli. *PLoS ONE*, **2013**, 8, e68306	3.7	32
261	The function of the conserved regulatory element within the second intron of the mammalian Csf1r locus. *PLoS ONE*, **2013**, 8, e54935	3.7	21
260	Therapeutic applications of macrophage colony-stimulating factor-1 (CSF-1) and antagonists of CSF-1 receptor (CSF-1R) signaling. *Blood*, **2012**, 119, 1810-20	2.2	418
259	A gene expression atlas of the domestic pig. *BMC Biology*, **2012**, 10, 90	7.3	116
258	Plenary perspective: the complexity of constitutive and inducible gene expression in mononuclear phagocytes. *Journal of Leukocyte Biology*, **2012**, 92, 433-44	6.5	26
257	Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. *Journal of Immunology*, **2012**, 188, 3382-94	5.3	98
256	Cloning and expression of porcine Colony Stimulating Factor-1 (CSF-1) and Colony Stimulating Factor-1 Receptor (CSF-1R) and analysis of the species specificity of stimulation by CSF-1 and Interleukin 34. *Cytokine*, **2012**, 60, 793-805	4	34
255	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E944-53	11.5	212

254	IFITM3 restricts the morbidity and mortality associated with influenza. *Nature*, **2012**, 484, 519-23	50.4	537
253	Prediction of altered 3P UTR miRNA-binding sites from RNA-Seq data: the swine leukocyte antigen complex (SLA) as a model region. *PLoS ONE*, **2012**, 7, e48607	3.7	14
252	Colony-stimulating factor-1 promotes kidney growth and repair via alteration of macrophage responses. *American Journal of Pathology*, **2011**, 179, 1243-56	5.8	113
251	Macrophages.com: an on-line community resource for innate immunity research. *Immunobiology*, **2011**, 216, 1203-11	3.4	16
250	Defining the anatomical localisation of subsets of the murine mononuclear phagocyte system using integrin alpha X (Itgax, CD11c) and colony stimulating factor 1 receptor (Csf1r, CD115) expression fails to discriminate dendritic cells from macrophages. *Immunobiology*, **2011**, 216, 1228-37	3.4	39
249	Macrophage activation and differentiation signals regulate schlafen-4 gene expression: evidence for Schlafen-4 as a modulator of myelopoiesis. *PLoS ONE*, **2011**, 6, e15723	3.7	50
248	The immunostimulatory activity of phosphorothioate CpG oligonucleotides is affected by distal sequence changes. *Molecular Immunology*, **2011**, 48, 1027-34	4.3	12
247	The future of animal production: improving productivity and sustainability. *Journal of Agricultural Science*, **2011**, 149, 9-16	1	38
246	Somatic retrotransposition alters the genetic landscape of the human brain. *Nature*, **2011**, 479, 534-7	50.4	519
245	Macrophage therapy for murine liver fibrosis recruits host effector cells improving fibrosis, regeneration, and function. *Hepatology*, **2011**, 53, 2003-15	11.2	226
244	Osteal macrophages promote in vivo intramembranous bone healing in a mouse tibial injury model. *Journal of Bone and Mineral Research*, **2011**, 26, 1517-32	6.3	303
243	The mononuclear phagocyte system of the pig as a model for understanding human innate immunity and disease. *Journal of Leukocyte Biology*, **2011**, 89, 855-71	6.5	136
242	Applications of myeloid-specific promoters in transgenic mice support in vivo imaging and functional genomics but do not support the concept of distinct macrophage and dendritic cell lineages or roles in immunity. *Journal of Leukocyte Biology*, **2011**, 89, 525-38	6.5	116
241	Co-expression of FBN1 with mesenchyme-specific genes in mouse cell lines: implications for phenotypic variability in Marfan syndrome. *European Journal of Human Genetics*, **2010**, 18, 1209-15	5.3	23
240	Induction of microRNAs, mir-155, mir-222, mir-424 and mir-503, promotes monocytic differentiation through combinatorial regulation. *Leukemia*, **2010**, 24, 460-6	10.7	205
239	Unravelling mononuclear phagocyte heterogeneity. *Nature Reviews Immunology*, **2010**, 10, 453-60	36.5	421
238	CSF-1, IGF-1, and the control of postnatal growth and development. *Journal of Leukocyte Biology*, **2010**, 88, 475-81	6.5	60
237	Macrophages from BALB/c and CBA/Ca mice differ in their cellular responses to Streptococcus pneumoniae. *Journal of Leukocyte Biology*, **2010**, 87, 735-41	6.5	11

236	Differential effects of selective HDAC inhibitors on macrophage inflammatory responses to the Toll-like receptor 4 agonist LPS. *Journal of Leukocyte Biology*, **2010**, 87, 1103-14	6.5	142
235	A conserved distal segment of the mouse CSF-1 receptor promoter is required for maximal expression of a reporter gene in macrophages and osteoclasts of transgenic mice. *Journal of Leukocyte Biology*, **2010**, 87, 815-22	6.5	21
234	Pivotal Advance: Avian colony-stimulating factor 1 (CSF-1), interleukin-34 (IL-34), and CSF-1 receptor genes and gene products. *Journal of Leukocyte Biology*, **2010**, 87, 753-64	6.5	136
233	Meta-analysis of lineage-specific gene expression signatures in mouse leukocyte populations. *Immunobiology*, **2010**, 215, 724-36	3.4	78
232	An atlas of combinatorial transcriptional regulation in mouse and man. *Cell*, **2010**, 140, 744-52	56.2	555
231	An Atlas of Combinatorial Transcriptional Regulation in Mouse and Man. *Cell*, **2010**, 141, 369	56.2	3
230	Functional clustering and lineage markers: insights into cellular differentiation and gene function from large-scale microarray studies of purified primary cell populations. *Genomics*, **2010**, 95, 328-38	4.3	75
229	Cellular plasticity of inflammatory myeloid cells in the peritoneal foreign body response. *American Journal of Pathology*, **2010**, 176, 369-80	5.8	71
228	A novel mouse model of inflammatory bowel disease links mammalian target of rapamycin-dependent hyperproliferation of colonic epithelium to inflammation-associated tumorigenesis. *American Journal of Pathology*, **2010**, 176, 952-67	5.8	167
227	An antibody against the colony-stimulating factor 1 receptor depletes the resident subset of monocytes and tissue- and tumor-associated macrophages but does not inhibit inflammation. *Blood* , **2010**, 116, 3955-63	2.2	322
226	The combination of gene perturbation assay and ChIP-chip reveals functional direct target genes for IRF8 in THP-1 cells. *Molecular Immunology*, **2010**, 47, 2295-302	4.3	25
225	Identification and characterisation of new inhibitors for the human hematopoietic prostaglandin D2 synthase. *European Journal of Medicinal Chemistry*, **2010**, 45, 447-54	6.8	14
224	Colony-stimulating factor-1 (CSF-1) delivers a proatherogenic signal to human macrophages. *Journal of Leukocyte Biology*, **2009**, 85, 278-88	6.5	60
223	CX3CR1+ CD115+ CD135+ common macrophage/DC precursors and the role of CX3CR1 in their response to inflammation. *Journal of Experimental Medicine*, **2009**, 206, 595-606	16.6	309
222	Data-driven normalization strategies for high-throughput quantitative RT-PCR. *BMC Bioinformatics*, **2009**, 10, 110	3.6	72
221	CD148/DEP-1 association with areas of cytoskeletal organisation in macrophages. *Experimental Cell Research*, **2009**, 315, 1734-44	4.2	11
220	Selective induction of the Notch ligand Jagged-1 in macrophages by soluble egg antigen from Schistosoma mansoni involves ERK signalling. *Immunology*, **2009**, 127, 326-37	7.8	33
219	TLR9-independent effects of inhibitory oligonucleotides on macrophage responses to S. typhimurium. *Immunology and Cell Biology*, **2009**, 87, 218-25	5	11

218	Tiny RNAs associated with transcription start sites in animals. *Nature Genetics*, **2009**, 41, 572-8	36.3	302
217	The regulated retrotransposon transcriptome of mammalian cells. *Nature Genetics*, **2009**, 41, 563-71	36.3	601
216	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. *Nature Genetics*, **2009**, 41, 553-62	36.3	356
215	Docosahexaenoic acid attenuates microglial activation and delays early retinal degeneration. *Journal of Neurochemistry*, **2009**, 110, 1863-75	6	70
214	Experimental and bioinformatic characterisation of the promoter region of the Marfan syndrome gene, FBN1. *Genomics*, **2009**, 94, 233-40	4.3	18
213	Beta-arrestin 2 is required for complement C1q expression in macrophages and constrains factor-independent survival. *Molecular Immunology*, **2009**, 47, 340-7	4.3	15
212	HIN-200 proteins regulate caspase activation in response to foreign cytoplasmic DNA. *Science*, **2009** , 323, 1057-60	33.3	659
211	FANTOM4 EdgeExpressDB: an integrated database of promoters, genes, microRNAs, expression dynamics and regulatory interactions. *Genome Biology*, **2009**, 10, R39	18.3	56
210	The FANTOM web resource: from mammalian transcriptional landscape to its dynamic regulation. *Genome Biology*, **2009**, 10, R40	18.3	65
209	The Impact of CAGE Data on Understanding Macrophage Transcriptional Biology **2009**, 227-243		
208	Identification of a non-purple tartrate-resistant acid phosphatase: an evolutionary link to Ser/Thr protein phosphatases?. *BMC Research Notes*, **2008**, 1, 78	2.3	10
207	Differentiation and heterogeneity in the mononuclear phagocyte system. *Mucosal Immunology*, **2008**, 1, 432-41	9.2	166
206	A rescue strategy for multimapping short sequence tags refines surveys of transcriptional activity by CAGE. *Genomics*, **2008**, 91, 281-8	4.3	82
205	A medium or high throughput protein refolding assay. *Methods in Molecular Biology*, **2008**, 426, 269-75	1.4	5
204	Osteal macrophages: a new twist on coupling during bone dynamics. *Bone*, **2008**, 43, 976-82	4.7	143
203	Microphthalmia transcription factor regulates the expression of the novel osteoclast factor GPNMB. *Gene*, **2008**, 413, 32-41	3.8	61
202	Identification of disulfide-containing chemical cross-links in proteins using MALDI-TOF/TOF-mass spectrometry. *Analytical Chemistry*, **2008**, 80, 5036-43	7.8	21
201	Macrophages as APC and the dendritic cell myth. *Journal of Immunology*, **2008**, 181, 5829-35	5.3	392

200	Expression of Gal4-dependent transgenes in cells of the mononuclear phagocyte system labeled with enhanced cyan fluorescent protein using Csf1r-Gal4VP16/UAS-ECFP double-transgenic mice. *Journal of Leukocyte Biology*, **2008**, 83, 430-3	6.5	63
199	The Ewing sarcoma protein (EWS) binds directly to the proximal elements of the macrophage-specific promoter of the CSF-1 receptor (csf1r) gene. *Journal of Immunology*, **2008**, 180, 6733-42	5.3	22
198	The macrophage-inducible C-type lectin, mincle, is an essential component of the innate immune response to Candida albicans. *Journal of Immunology*, **2008**, 180, 7404-13	5.3	331
197	Cortactin adopts a globular conformation and bundles actin into sheets. *Journal of Biological Chemistry*, **2008**, 283, 16187-93	5.4	29
196	Osteal tissue macrophages are intercalated throughout human and mouse bone lining tissues and regulate osteoblast function in vitro and in vivo. *Journal of Immunology*, **2008**, 181, 1232-44	5.3	473
195	Monomeric tartrate resistant acid phosphatase induces insulin sensitive obesity. *PLoS ONE*, **2008**, 3, e1713	3.7	31
194	Development of a DNA barcode tagging method for monitoring dynamic changes in gene expression by using an ultra high-throughput sequencer. *BioTechniques*, **2008**, 45, 95-7	2.5	25
193	Our evolving knowledge of the transcriptional landscape. *Mammalian Genome*, **2008**, 19, 663-6	3.2	4
192	Expression analysis of G Protein-Coupled Receptors in mouse macrophages. *Immunome Research*, **2008**, 4, 5		328
191	Increased TNF expression in CD43++ murine blood monocytes. *Immunology Letters*, **2008**, 118, 142-7	4.1	20
190	The transcriptional regulation of the Colony-Stimulating Factor 1 Receptor (csf1r) gene during hematopoiesis. *Frontiers in Bioscience - Landmark*, **2008**, 13, 549-60	2.8	59
189	Protein structure determination using a combination of cross-linking, mass spectrometry, and molecular modeling. *Methods in Molecular Biology*, **2008**, 426, 459-74	1.4	16
188	Overview of the pipeline for structural and functional characterization of macrophage proteins at the university of queensland. *Methods in Molecular Biology*, **2008**, 426, 577-87	1.4	0
187	Systems biology of transcription control in macrophages. *BioEssays*, **2007**, 29, 1215-26	4.1	25
186	Mammalian RNA polymerase II core promoters: insights from genome-wide studies. *Nature Reviews Genetics*, **2007**, 8, 424-36	30.1	394
185	Neutrophilic schizophrenia: breaching the barrier between innate and adaptive immunity. *Immunology and Cell Biology*, **2007**, 85, 265-6	5	4
184	Histone deacetylase inhibitors decrease Toll-like receptor-mediated activation of proinflammatory gene expression by impairing transcription factor recruitment. *Immunology*, **2007**, 122, 596-606	7.8	138
183	S100A8/S100A9 and their association with cartilage and bone. *Journal of Molecular Histology*, **2007**, 38, 381-91	3.3	46

182	The expression of Clcn7 and Ostm1 in osteoclasts is coregulated by microphthalmia transcription factor. *Journal of Biological Chemistry*, **2007**, 282, 1891-904	5.4	64
181	Gpnmb is induced in macrophages by IFN-gamma and lipopolysaccharide and acts as a feedback regulator of proinflammatory responses. *Journal of Immunology*, **2007**, 178, 6557-66	5.3	148
180	Differential effects of CpG DNA on IFN-beta induction and STAT1 activation in murine macrophages versus dendritic cells: alternatively activated STAT1 negatively regulates TLR signaling in macrophages. *Journal of Immunology*, **2007**, 179, 3495-503	5.3	41
179	Structural basis for recruitment of tandem hotdog domains in acyl-CoA thioesterase 7 and its role in inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10382-7	11.5	61
178	G-protein-coupled receptor expression, function, and signaling in macrophages. *Journal of Leukocyte Biology*, **2007**, 82, 16-32	6.5	81
177	Mouse neutrophilic granulocytes express mRNA encoding the macrophage colony-stimulating factor receptor (CSF-1R) as well as many other macrophage-specific transcripts and can transdifferentiate into macrophages in vitro in response to CSF-1. *Journal of Leukocyte Biology*, **2007**, 82, 111-23	6.5	124
176	PU.1 and ICSBP control constitutive and IFN-gamma-regulated Tlr9 gene expression in mouse macrophages. *Journal of Leukocyte Biology*, **2007**, 81, 1577-90	6.5	37
175	Novel neutrophil-derived proteins in bronchoalveolar lavage fluid indicate an exaggerated inflammatory response in pediatric cystic fibrosis patients. *Clinical Chemistry*, **2007**, 53, 1782-91	5.5	40
174	Concordant epigenetic silencing of transforming growth factor-beta signaling pathway genes occurs early in breast carcinogenesis. *Cancer Research*, **2007**, 67, 11517-27	10.1	72
173	Transcriptional regulatory networks in macrophages. *Novartis Foundation Symposium*, **2007**, 281, 2-18; discussion 18-24, 50-3, 208-9		20
172	Characterisation and trophic functions of murine embryonic macrophages based upon the use of a Csf1r-EGFP transgene reporter. *Developmental Biology*, **2007**, 308, 232-46	3.1	173
171	Computational promoter analysis of mouse, rat and human antimicrobial peptide-coding genes. *BMC Bioinformatics*, **2006**, 7 Suppl 5, S8	3.6	22
170	Mice and men: their promoter properties. *PLoS Genetics*, **2006**, 2, e54	6	75
169	Transcript annotation in FANTOM3: mouse gene catalog based on physical cDNAs. *PLoS Genetics*, **2006**, 2, e62	6	138
168	Histone deacetylase inhibitor reduces monocyte adhesion to endothelium through the suppression of vascular cell adhesion molecule-1 expression. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 2652-9	9.4	88
167	The JNK are important for development and survival of macrophages. *Journal of Immunology*, **2006**, 176, 2219-28	5.3	91
166	LPS regulates proinflammatory gene expression in macrophages by altering histone deacetylase expression. *FASEB Journal*, **2006**, 20, 1315-27	0.9	182
165	A CSF-1 receptor kinase inhibitor targets effector functions and inhibits pro-inflammatory cytokine production from murine macrophage populations. *FASEB Journal*, **2006**, 20, 1921-3	0.9	64

164	CpG DNA activates survival in murine macrophages through TLR9 and the phosphatidylinositol 3-kinase-Akt pathway. *Journal of Immunology*, **2006**, 177, 4473-80	5.3	56
163	Modelling the structure of latexin-carboxypeptidase A complex based on chemical cross-linking and molecular docking. *Protein Engineering, Design and Selection*, **2006**, 19, 9-16	1.9	18
162	Comment on "CCR7 is critically important for migration of dendritic cells in intestinal lamina propria to mesenteric lymph nodes". *Journal of Immunology*, **2006**, 177, 2035; author reply 2035-6	5.3	1
161	Alternate transcription of the Toll-like receptor signaling cascade. *Genome Biology*, **2006**, 7, R10	18.3	63
160	Macrophage-specific expression of human lysosomal acid lipase corrects inflammation and pathogenic phenotypes in lal-/- mice. *American Journal of Pathology*, **2006**, 169, 916-26	5.8	57
159	Identification and molecular modeling of a novel, plant-like, human purple acid phosphatase. *Gene*, **2006**, 377, 12-20	3.8	40
158	Signal integration between IFNgamma and TLR signalling pathways in macrophages. *Immunobiology*, **2006**, 211, 511-24	3.4	236
157	Apoptotic cell removal in development and tissue homeostasis. *Trends in Immunology*, **2006**, 27, 244-50	14.4	298
156	Transcriptional network dynamics in macrophage activation. *Genomics*, **2006**, 88, 133-42	4.3	104
155	Incorporating a TEV cleavage site reduces the solubility of nine recombinant mouse proteins. *Protein Expression and Purification*, **2006**, 50, 68-73	2	13
154	Crystallization of the C-terminal domain of the mouse brain cytosolic long-chain acyl-CoA thioesterase. *Acta Crystallographica Section F: Structural Biology Communications*, **2006**, 62, 133-5		5
153	An automatable screen for the rapid identification of proteins amenable to refolding. *Proteomics*, **2006**, 6, 1750-7	4.8	20
152	Genome-wide analysis of mammalian promoter architecture and evolution. *Nature Genetics*, **2006**, 38, 626-35	36.3	1021
151	Focusing in on structural genomics: the University of Queensland structural biology pipeline. *New Biotechnology*, **2006**, 23, 281-9		11
150	Reduction of the in vitro pro-inflammatory response by macrophages to poly(3-hydroxybutyrate-co-3-hydroxyvalerate). *Biomaterials*, **2006**, 27, 4715-25	15.6	31
149	The mononuclear phagocyte system. *Current Opinion in Immunology*, **2006**, 18, 49-53	7.8	450
148	Experimental validation of the regulated expression of large numbers of non-coding RNAs from the mouse genome. *Genome Research*, **2006**, 16, 11-9	9.7	407
147	S100A8 chemotactic protein is abundantly increased, but only a minor contributor to LPS-induced, steroid resistant neutrophilic lung inflammation in vivo. *Journal of Proteome Research*, **2005**, 4, 136-45	5.6	43

146	The colony-stimulating factor 1 receptor is expressed on dendritic cells during differentiation and regulates their expansion. *Journal of Immunology*, **2005**, 175, 1399-405	5.3	151
145	LPS regulates a set of genes in primary murine macrophages by antagonising CSF-1 action. *Immunobiology*, **2005**, 210, 97-107	3.4	43
144	Macrophages overexpressing tartrate-resistant acid phosphatase show altered profile of free radical production and enhanced capacity of bacterial killing. *Biochemical and Biophysical Research Communications*, **2005**, 331, 120-6	3.4	55
143	Human tartrate-resistant acid phosphatase becomes an effective ATPase upon proteolytic activation. *Archives of Biochemistry and Biophysics*, **2005**, 439, 154-64	4.1	57
142	Pattern Matching for Motifs **2005**, 299-312		
141	Modification of recombinatorial cloning for small affinity tag fusion protein construct generation. *Analytical Biochemistry*, **2005**, 346, 327-9	3.1	8
140	Antisense transcription in the mammalian transcriptome. *Science*, **2005**, 309, 1564-6	33.3	1354
139	The Runx1 transcription factor controls CSF-1-dependent and -independent growth and survival of macrophages. *Oncogene*, **2005**, 24, 5278-86	9.2	35
138	An inflammatory role for the mammalian carboxypeptidase inhibitor latexin: relationship to cystatins and the tumor suppressor TIG1. *Structure*, **2005**, 13, 309-17	5.2	64
137	Pilot studies on the parallel production of soluble mouse proteins in a bacterial expression system. *Journal of Structural and Functional Genomics*, **2005**, 6, 13-20		7
136	Expresi□ especfica de los genes de la respuesta inflamatoria en subpoblaciones de macr□agos.. *Biomedica*, **2005**, 25, 261	0.9	
135	Inflammation suppressor genes: please switch out all the lights. *Journal of Leukocyte Biology*, **2005**, 78, 9-13	6.5	68
134	Therapeutic targets in inflammatory disease. *Current Medicinal Chemistry*, **2005**, 12, 2925-9	4.3	23
133	Renal structural and functional repair in a mouse model of reversal of ureteral obstruction. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 3623-30	12.7	124
132	Transcription factor Tfec contributes to the IL-4-inducible expression of a small group of genes in mouse macrophages including the granulocyte colony-stimulating factor receptor. *Journal of Immunology*, **2005**, 174, 7111-22	5.3	58
131	Syntaxin 6 and Vti1b form a novel SNARE complex, which is up-regulated in activated macrophages to facilitate exocytosis of tumor necrosis Factor-alpha. *Journal of Biological Chemistry*, **2005**, 280, 10478-83	5.4	119
130	Cutting edge: species-specific TLR9-mediated recognition of CpG and non-CpG phosphorothioate-modified oligonucleotides. *Journal of Immunology*, **2005**, 174, 605-8	5.3	115
129	Differences in macrophage activation by bacterial DNA and CpG-containing oligonucleotides. *Journal of Immunology*, **2005**, 175, 3569-76	5.3	66

128	Rasputin, more promiscuous than ever: a review of G3BP. *International Journal of Developmental Biology*, **2004**, 48, 1065-77	1.9	113
127	Epigenetic silencing of the c-fms locus during B-lymphopoiesis occurs in discrete steps and is reversible. *EMBO Journal*, **2004**, 23, 4275-85	13	64
126	Interferon-gamma: an overview of signals, mechanisms and functions. *Journal of Leukocyte Biology*, **2004**, 75, 163-89	6.5	2688
125	Probing the S100 protein family through genomic and functional analysis. *Genomics*, **2004**, 84, 10-22	4.3	121
124	Construction of representative transcript and protein sets of human, mouse, and rat as a platform for their transcriptome and proteome analysis. *Genomics*, **2004**, 84, 913-21	4.3	22
123	Phosphotyrosyl peptides and analogues as substrates and inhibitors of purple acid phosphatases. *Archives of Biochemistry and Biophysics*, **2004**, 424, 154-62	4.1	50
122	Identification of putative noncoding RNAs among the RIKEN mouse full-length cDNA collection. *Genome Research*, **2003**, 13, 1301-6	9.7	119
121	The molecular basis for the lack of immunostimulatory activity of vertebrate DNA. *Journal of Immunology*, **2003**, 170, 3614-20	5.3	153
120	The mouse secretome: functional classification of the proteins secreted into the extracellular environment. *Genome Research*, **2003**, 13, 1350-9	9.7	65
119	A Guide to the Mammalian Genome. *Genome Research*, **2003**, 13, 1267-1272	9.7	9
118	A macrophage colony-stimulating factor receptor-green fluorescent protein transgene is expressed throughout the mononuclear phagocyte system of the mouse. *Blood*, **2003**, 101, 1155-63	2.2	506
117	Genetic control of the innate immune response. *BMC Immunology*, **2003**, 4, 5	3.7	109
116	Multiple tissue-specific promoters control expression of the murine tartrate-resistant acid phosphatase gene. *Gene*, **2003**, 307, 111-23	3.8	51
115	Targeting a complex transcriptome: the construction of the mouse full-length cDNA encyclopedia. *Genome Research*, **2003**, 13, 1273-89	9.7	141
114	Impact of alternative initiation, splicing, and termination on the diversity of the mRNA transcripts encoded by the mouse transcriptome. *Genome Research*, **2003**, 13, 1290-300	9.7	148
113	Effector ExoU from the type III secretion system is an important modulator of gene expression in lung epithelial cells in response to Pseudomonas aeruginosa infection. *Infection and Immunity*, **2003**, 71, 6035-44	3.7	37
112	Identification and analysis of chromodomain-containing proteins encoded in the mouse transcriptome. *Genome Research*, **2003**, 13, 1416-29	9.7	39
111	Development and evaluation of an automated annotation pipeline and cDNA annotation system. *Genome Research*, **2003**, 13, 1542-51	9.7	24

110	Systematic expression profiling of the mouse transcriptome using RIKEN cDNA microarrays. *Genome Research*, **2003**, 13, 1318-23	9.7	62
109	Systematic characterization of the zinc-finger-containing proteins in the mouse transcriptome. *Genome Research*, **2003**, 13, 1430-42	9.7	79
108	Continued discovery of transcriptional units expressed in cells of the mouse mononuclear phagocyte lineage. *Genome Research*, **2003**, 13, 1360-5	9.7	38
107	Phosphoregulators: protein kinases and protein phosphatases of mouse. *Genome Research*, **2003**, 13, 1443-54	9.7	39
106	CSF-1 as a regulator of macrophage activation and immune responses. *Archivum Immunologiae Et Therapiae Experimentalis*, **2003**, 51, 169-77	4	37
105	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. *Nature*, **2002**, 420, 563-73	50.4	1350
104	Transcription factor complex formation and chromatin fine structure alterations at the murine c-fms (CSF-1 receptor) locus during maturation of myeloid precursor cells. *Genes and Development*, **2002**, 16, 1721-37	12.6	103
103	Generation of diversity in the innate immune system: macrophage heterogeneity arises from gene-autonomous transcriptional probability of individual inducible genes. *Journal of Immunology*, **2002**, 168, 44-50	5.3	84
102	Gene complementation of airway epithelium in the cystic fibrosis mouse is necessary and sufficient to correct the pathogen clearance and inflammatory abnormalities. *Human Molecular Genetics*, **2002**, 11, 1059-67	5.6	44
101	Colony-stimulating factor-1 suppresses responses to CpG DNA and expression of toll-like receptor 9 but enhances responses to lipopolysaccharide in murine macrophages. *Journal of Immunology*, **2002**, 168, 392-9	5.3	85
100	NF-IL6 and HSF1 have mutually antagonistic effects on transcription in monocytic cells. *Biochemical and Biophysical Research Communications*, **2002**, 291, 1071-80	3.4	43
99	The microphthalmia transcription factor (MITF) contains two N-terminal domains required for transactivation of osteoclast target promoters and rescue of mi mutant osteoclasts. *Journal of Leukocyte Biology*, **2002**, 71, 295-303	6.5	18
98	The microphthalmia transcription factor and the related helix-loop-helix zipper factors TFE-3 and TFE-C collaborate to activate the tartrate-resistant acid phosphatase promoter. *Journal of Leukocyte Biology*, **2002**, 71, 304-10	6.5	32
97	The mononuclear phagocyte system revisited. *Journal of Leukocyte Biology*, **2002**, 72, 621-7	6.5	244
96	Transcriptional regulation of c-fms gene expression. *Cell Biochemistry and Biophysics*, **2001**, 34, 1-16	3.2	10
95	Macrophages exposed continuously to lipopolysaccharide and other agonists that act via toll-like receptors exhibit a sustained and additive activation state. *BMC Immunology*, **2001**, 2, 11	3.7	93
94	Genetic and physical interactions between Microphthalmia transcription factor and PU.1 are necessary for osteoclast gene expression and differentiation. *Journal of Biological Chemistry*, **2001**, 276, 36703-10	5.4	98
93	Functional annotation of a full-length mouse cDNA collection. *Nature*, **2001**, 409, 685-90	50.4	560

92	The microphthalmia transcription factor regulates expression of the tartrate-resistant acid phosphatase gene during terminal differentiation of osteoclasts. *Journal of Bone and Mineral Research*, **2000**, 15, 451-60	6.3	103
91	Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell-surface receptor. *Biochemical Journal*, **2000**, 347, 313	3.8	3
90	Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell-surface receptor. *Biochemical Journal*, **2000**, 347, 313-320	3.8	16
89	Origins and functions of phagocytes in the embryo. *Experimental Hematology*, **2000**, 28, 601-11	3.1	121
88	Transgenic mice overexpressing tartrate-resistant acid phosphatase exhibit an increased rate of bone turnover. *Journal of Bone and Mineral Research*, **2000**, 15, 103-10	6.3	127
87	Probability in transcriptional regulation and its implications for leukocyte differentiation and inducible gene expression. *Blood*, **2000**, 96, 2323-2328	2.2	173
86	Regulation of rat cytochrome P450C24 (CYP24) gene expression. Evidence for functional cooperation of Ras-activated Ets transcription factors with the vitamin D receptor in 1,25-dihydroxyvitamin D(3)-mediated induction. *Journal of Biological Chemistry*, **2000**, 275, 47-55	5.4	71
85	Heat shock enhances transcriptional activation of the murine-inducible nitric oxide synthase gene. *FASEB Journal*, **2000**, 14, 2393-5	0.9	34
84	G551D cystic fibrosis mice exhibit abnormal regulation of inflammation in lungs and macrophages. *Journal of Immunology*, **2000**, 164, 3870-7	5.3	50
83	Localization and post-Golgi trafficking of tumor necrosis factor-alpha in macrophages. *Journal of Interferon and Cytokine Research*, **2000**, 20, 427-38	3.5	87
82	ets-2 is a target for an akt (Protein kinase B)/jun N-terminal kinase signaling pathway in macrophages of motheaten-viable mutant mice. *Molecular and Cellular Biology*, **2000**, 20, 8026-34	4.8	63
81	Phosphorothioate backbone modification modulates macrophage activation by CpG DNA. *Journal of Immunology*, **2000**, 165, 4165-73	5.3	108
80	Identification of mammalian-like purple acid phosphatases in a wide range of plants. *Gene*, **2000**, 250, 117-25	3.8	125
79	Purple acid phosphatases from bacteria: similarities to mammalian and plant enzymes. *Gene*, **2000**, 255, 419-24	3.8	58
78	Structure, function, and regulation of tartrate-resistant acid phosphatase. *Bone*, **2000**, 27, 575-84	4.7	171
77	How do you see CG?. *Cell*, **2000**, 103, 993-6	56.2	34
76	ets-2 Is a Target for an Akt (Protein Kinase B)/Jun N-Terminal Kinase Signaling Pathway in Macrophages ofmotheaten-viable Mutant Mice. *Molecular and Cellular Biology*, **2000**, 20, 8026-8034	4.8	2
75	Probability in transcriptional regulation and its implications for leukocyte differentiation and inducible gene expression. *Blood*, **2000**, 96, 2323-2328	2.2	6

74	Differentiation of the Mononuclear Phagocyte System During Mouse Embryogenesis: The Role of Transcription Factor PU.1. *Blood*, **1999**, 94, 127-138	2.2	129
73	Insulin-like growth factor-I (IGF-I) and IGF-I receptor (IGF-IR) immunoreactivity in normal and osteopetrotic (toothless, tl/tl) rat tibia. *Growth Factors*, **1999**, 16, 279-91	1.6	12
72	Crystallization and preliminary X-ray diffraction studies of mammalian purple acid phosphatase. *Acta Crystallographica Section D: Biological Crystallography*, **1999**, 55, 1462-4		4
71	Crystal structure of mammalian purple acid phosphatase. *Structure*, **1999**, 7, 757-67	5.2	152
70	Cloning and characterization of the murine genes for bHLH-ZIP transcription factors TFEC and TFEB reveal a common gene organization for all MiT subfamily members. *Genomics*, **1999**, 56, 111-20	4.3	76
69	CAT2-mediated l-arginine transport and nitric oxide production in activated macrophages. *Biochemical Journal*, **1999**, 340, 549-553	3.8	89
68	CAT2-mediated L-arginine transport and nitric oxide production in activated macrophages. *Biochemical Journal*, **1999**, 340, 549	3.8	37
67	Mechanisms of regulation of the MacMARCKS gene in macrophages by bacterial lipopolysaccharide. *Journal of Leukocyte Biology*, **1999**, 66, 528-34	6.5	18
66	The actions of bacterial DNA on murine macrophages. *Journal of Leukocyte Biology*, **1999**, 66, 542-8	6.5	30
65	S100A8: emerging functions and regulation. *Journal of Leukocyte Biology*, **1999**, 66, 549-56	6.5	103
64	Regulation of the plasminogen activator inhibitor-2 (PAI-2) gene in murine macrophages. Demonstration of a novel pattern of responsiveness to bacterial endotoxin. *Journal of Leukocyte Biology*, **1999**, 66, 172-82	6.5	37
63	Young scientists in biomedical research. *Science*, **1999**, 284, 49	33.3	1
62	IFN-gamma primes macrophage responses to bacterial DNA. *Journal of Interferon and Cytokine Research*, **1998**, 18, 263-71	3.5	70
61	Interaction between PU.1 and another Ets family transcription factor promotes macrophage-specific Basal transcription initiation. *Journal of Biological Chemistry*, **1998**, 273, 6662-9	5.4	64
60	Persistent activation of mitogen-activated protein kinases p42 and p44 and ets-2 phosphorylation in response to colony-stimulating factor 1/c-fms signaling. *Molecular and Cellular Biology*, **1998**, 18, 5148-56	4.8	92
59	Recombinant human and mouse purple acid phosphatases: expression and characterization. *Archives of Biochemistry and Biophysics*, **1997**, 345, 230-6	4.1	43
58	Cooperation of two PEA3/AP1 sites in uPA gene induction by TPA and FGF-2. *Gene*, **1997**, 201, 179-87	3.8	64
57	Effects of CSF-1 on cholesterol accumulation and efflux by macrophages. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 18-25	9.4	6

56	Transcriptional control of the expression of the c-fms gene encoding the receptor for macrophage colony-stimulating factor (CSF-1). *Immunobiology*, **1996**, 195, 461-76	3.4	3
55	Decreased growth hormone receptor expression in long bones from toothless (osteopetrotic) rats and restoration by treatment with colony-stimulating factor-1. *Growth Factors*, **1996**, 13, 1-10	1.6	33
54	Ras-mediated phosphorylation of a conserved threonine residue enhances the transactivation activities of c-Ets1 and c-Ets2. *Molecular and Cellular Biology*, **1996**, 16, 538-47	4.8	310
53	Endotoxin signal transduction in macrophages. *Journal of Leukocyte Biology*, **1996**, 60, 8-26	6.5	605
52	Bacterial lipopolysaccharide confers resistance to G418, doxorubicin, and taxol in the murine macrophage cell line, RAW264. *Journal of Leukocyte Biology*, **1996**, 59, 280-6	6.5	9
51	Is the osteopetrotic (op/op mutant) mouse completely deficient in expression of macrophage colony-stimulating factor?. *Journal of Interferon and Cytokine Research*, **1995**, 15, 279-84	3.5	18
50	Regulation of urokinase-type plasminogen activator gene transcription by macrophage colony-stimulating factor. *Molecular and Cellular Biology*, **1995**, 15, 3430-41	4.8	116
49	Detection of c-fms protooncogene in early mouse embryos by whole mount in situ hybridization indicates roles for macrophages in tissue remodelling. *British Journal of Haematology*, **1995**, 90, 939-42	4.5	32
48	Opposing actions of c-ets/PU.1 and c-myb protooncogene products in regulating the macrophage-specific promoters of the human and mouse colony-stimulating factor-1 receptor (c-fms) genes. *Journal of Experimental Medicine*, **1994**, 180, 2309-19	16.6	105
47	Transcription of individual genes in eukaryotic cells occurs randomly and infrequently. *Immunology and Cell Biology*, **1994**, 72, 177-85	5	104
46	RNA synthesis inhibition stabilises urokinase mRNA in macrophages. *FEBS Letters*, **1994**, 356, 311-3	3.8	18
45	The HIV-1 regulatory protein Nef has a specific function in viral expression in a murine macrophage cell line. *Journal of Leukocyte Biology*, **1994**, 56, 294-303	6.5	2
44	Isolation and characterization of the genes encoding mouse and human type-5 acid phosphatase. *Gene*, **1993**, 130, 201-7	3.8	44
43	Electroporation and DNA-dependent cell death in murine macrophages. *Immunology and Cell Biology*, **1993**, 71 (Pt 2), 75-85	5	100
42	The resistance of macrophage-like tumour cell lines to growth inhibition by lipopolysaccharide and pertussis toxin. *British Journal of Haematology*, **1993**, 84, 392-401	4.5	12
41	Effect of Acute and Chronic Administration of Ethanol on c-fos Expression in Brain **1993**, 305-316		3
40	Involvement of gamma-aminobutyric acid and N-methyl-D-aspartate receptors in the inhibitory effect of ethanol on pentylenetetrazole-induced c-fos expression in rat brain. *Journal of Neurochemistry*, **1992**, 59, 1309-15	6	25
39	Constitutive expression of the urokinase plasminogen activator gene in murine RAW264 macrophages involves distal and 5Pnon-coding sequences that are conserved between mouse and pig. *Nucleic Acids Research*, **1991**, 19, 6839-47	20.1	47

38	The effects of interleukin 3 (IL-3) on cells responsive to macrophage colony-stimulating factor (CSF-1) in liquid murine bone marrow culture. *British Journal of Haematology*, **1990**, 74, 138-45	4.5	15
37	Acute administration of ethanol suppresses pentylenetetrazole-induced c-fos expression in rat brain. *Neuroscience Letters*, **1990**, 120, 271-4	3.3	29
36	Antigenic variation and macrophage infiltration of human bladder tumors xenografted into nude mice. *Journal of Leukocyte Biology*, **1988**, 43, 335-42	6.5	5
35	Selective resistance of bone marrow-derived hemopoietic progenitor cells to gliotoxin. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 3822-5	11.5	24
34	Immunohistochemical characterisation of macrophages in human liver and gastrointestinal tract: expression of CD4, HLA-DR, OKM1, and the mature macrophage marker 25F9 in normal and diseased tissue. *Journal of Leukocyte Biology*, **1987**, 42, 474-84	6.5	58
33	Localization and function of tissue macrophages. *Novartis Foundation Symposium*, **1986**, 118, 54-67		14
32	Immunohistochemical analysis of the involvement of F4/80 and Ia-positive macrophages in mouse liver infected with lymphocytic choriomeningitis virus. *Journal of Leukocyte Biology*, **1986**, 40, 617-28	6.5	6
31	Preparation and characterization of human bone marrow-derived macrophages. *Journal of Leukocyte Biology*, **1985**, 38, 541-52	6.5	14
30	Immunohistochemical localization of macrophages and microglia in the adult and developing mouse brain. *Neuroscience*, **1985**, 15, 313-26	3.9	783
29	Regulation of the production of granulocyte-macrophage colony-stimulating factor by macrophage-like tumour cell lines. *FEBS Letters*, **1985**, 180, 271-4	3.8	1
28	The mononuclear phagocyte system of the mouse defined by immunohistochemical localisation of antigen F4/80: macrophages associated with epithelia. *The Anatomical Record*, **1984**, 210, 503-12		143
27	The correlation between plasminogen activator activity and thymidine incorporation in mouse bone marrow-derived macrophages. Opposing actions of colony-stimulating factor, phorbol myristate acetate, dexamethasone and prostaglandin E. *Experimental Cell Research*, **1984**, 150, 347-55	4.2	37
26	Optimal conditions for proliferation of bone marrow-derived mouse macrophages in culture: the roles of CSF-1, serum, Ca2+, and adherence. *Journal of Cellular Physiology*, **1983**, 117, 189-94	7	78
25	The production of oxygen-centered radicals by bacillus-Calmette-Guerin-activated macrophages. An electron paramagnetic resonance study of the response to phorbol myristate acetate. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1983**, 763, 245-50	4.9	30
24	The mononuclear phagocyte system of the mouse defined by immunohistochemical localization of antigen F4/80. Relationship between macrophages, Langerhans cells, reticular cells, and dendritic cells in lymphoid and hematopoietic organs. *Journal of Experimental Medicine*, **1983**, 158, 1522-36	16.6	353
23	Mononuclear phagocyte system of the mouse defined by immunohistochemical localization of antigen F4/80. Identification of resident macrophages in renal medullary and cortical interstitium and the juxtaglomerular complex. *Journal of Experimental Medicine*, **1983**, 157, 1704-9	16.6	168
22	Rapid alterations in cellular morphology and plasma membrane structure induced in rat thymocytes by mitogenic stimuli. *Journal of Cellular Physiology*, **1979**, 101, 523-8	7	2
21	On the stimulation of rat thymocyte 3-O-methyl-glucose transport by mitogenic stimuli. *Journal of Cellular Physiology*, **1978**, 96, 303-8	7	20

20	Aerobic glycolysis and lymphocyte transformation. *Biochemical Journal*, **1978**, 174, 703-9	3.8	128
19	Activation of 3-O-methyl-glucose transport in rat thymus lymphocytes by concanavalin A. Temperature and calcium ion dependence and sensitivity to puromycin but to cycloheximide. *Biochimica Et Biophysica Acta - General Subjects*, **1977**, 500, 89-102	4	44
18	Hormonal regulation of gluconeogenesis in isolated rat hepatocytes: An undergraduate experiment. *Biochemical Education*, **1976**, 4, 13-14		
17	A transgenic line that reports CSF1R protein expression provides a definitive marker for the mouse mononuclear phagocyte system		1
16	Elimination of reference mapping bias reveals robust immune related allele-specific expression in crossbred sheep		1
15	Comprehensive characterisation of molecular host-pathogen interactions in influenza A virus-infected human macrophages		1
14	Shared activity patterns arising at genetic susceptibility loci reveal underlying genomic and cellular architecture of human disease		2
13	A high resolution atlas of gene expression in the domestic sheep (Ovis aries)		1
12	Genetic control of Campylobacter colonisation in broiler chickens: genomic and transcriptomic characterisation		1
11	Gene expression in the cardiovascular system of the domestic sheep (Ovis aries); a new tool to advance our understanding of cardiovascular disease		1
10	Graphia: A platform for the graph-based visualisation and analysis of complex data		15
9	CSF1R-dependent macrophages control postnatal somatic growth and organ maturation		1
8	Assembly of a Parts List of the Human Mitotic Cell Cycle Machinery		1
7	Characterisation of subpopulations of chicken mononuclear phagocytes that express TIM4 and the macrophage colony-stimulating factor receptor (CSF1R)		1
6	Combination of novel and public RNA-seq datasets to generate an mRNA expression atlas for the domestic chicken		1
5	Maternal tamoxifen treatment expands the macrophage population of early mouse embryos		3
4	An improved pig reference genome sequence to enable pig genetics and genomics research		15
3	A mini-atlas of gene expression for the domestic goat (Capra hircus) reveals transcriptional differences in immune signatures between sheep and goats		3

2	Fragmentation of macrophages during isolation confounds analysis of single cell preparations from mouse hematopoietic tissues	1
1	Complete microglia deficiency accelerates prion disease without enhancing CNS prion accumulation	1