Paul Proost

List of Publications by Year in Descending Order

376 papers	19,193 citations	78 h-index	118 g-index
390 ext. papers	21,332 ext. citations	5.4 avg, IF	6.45 L-index

#	Paper	IF	Citations
376	Inhibition of renal fibrosis with a human CXCL9-derived glycosaminoglycan-binding peptide.. *Clinical and Translational Immunology*, **2022**, 11, e1370	6.8	0
375	Method Matters: Effect of Purification Technology on Neutrophil Phenotype and Function.. *Frontiers in Immunology*, **2022**, 13, 820058	8.4	1
374	Circulating Donor-Specific Anti-HLA Antibodies Associate With Immune Activation Independent of Kidney Transplant Histopathological Findings.. *Frontiers in Immunology*, **2022**, 13, 818569	8.4	3
373	Neutrophils in malaria: the good, the bad or the ugly?. *Parasite Immunology*, **2022**, e12912	2.2	
372	Identification of a conserved chemokine receptor motif that enables ligand discrimination.. *Science Signaling*, **2022**, 15, eabg7042	8.8	0
371	HIV protease inhibitors Nelfinavir and Lopinavir/Ritonavir markedly improve lung pathology in SARS-CoV-2-infected Syrian hamsters despite lack of an antiviral effect.. *Antiviral Research*, **2022**, 202, 105311	10.8	0
370	The Therapeutic Treatment with the GAG-Binding Chemokine Fragment CXCL9(74-103) Attenuates Neutrophilic Inflammation and Lung Dysfunction during Klebsiella pneumoniae Infection in Mice. *International Journal of Molecular Sciences*, **2022**, 23, 6246	6.3	0
369	Atypical response to bacterial co-infection and persistent neutrophilic broncho-alveolar inflammation distinguish critical COVID-19 from influenza. *JCI Insight*, **2021**,	9.9	7
368	Proteoform Analysis of Matrix Metalloproteinase-9/Gelatinase B and Discovery of Its Citrullination in Rheumatoid Arthritis Synovial Fluids.. *Frontiers in Immunology*, **2021**, 12, 763832	8.4	1
367	The Chemokine-Based Peptide, CXCL9(74-103), Inhibits Angiogenesis by Blocking Heparan Sulfate Proteoglycan-Mediated Signaling of Multiple Endothelial Growth Factors. *Cancers*, **2021**, 13,	6.6	2
366	Endogenous modification of the chemoattractant CXCL5 alters receptor usage and enhances its activity toward neutrophils and monocytes. *Science Signaling*, **2021**, 14,	8.8	3
365	From ELISA to Immunosorbent Tandem Mass Spectrometry Proteoform Analysis: The Example of CXCL8/Interleukin-8. *Frontiers in Immunology*, **2021**, 12, 644725	8.4	1
364	Internal Disulfide Bonding and Glycosylation of Interleukin-7 Protect Against Proteolytic Inactivation by Neutrophil Metalloproteinases and Serine Proteases. *Frontiers in Immunology*, **2021**, 12, 701739	8.4	1
363	The Antimicrobial Activity of Peripheral Blood Neutrophils Is Altered in Patients with Primary Ciliary Dyskinesia. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
362	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. *Nature Communications*, **2021**, 12, 4117	17.4	53
361	Synovial Fluid Neutrophils From Patients With Juvenile Idiopathic Arthritis Display a Hyperactivated Phenotype. *Arthritis and Rheumatology*, **2021**, 73, 875-884	9.5	6
360	Citrullination as a novel posttranslational modification of matrix metalloproteinases. *Matrix Biology* , **2021**, 95, 68-83	11.4	7

359	Studying Neutrophil Function in vitro: Cell Models and Environmental Factors. *Journal of Inflammation Research*, **2021**, 14, 141-162	4.8	5
358	The turning away of serum amyloid A biological activities and receptor usage. *Immunology*, **2021**, 163, 115-127	7.8	4
357	Expanding the reactivity of inorganic clusters towards proteins: the interplay between the redox and hydrolytic activity of Ce(iv)-substituted polyoxometalates as artificial proteases. *Chemical Science*, **2021**, 12, 10655-10663	9.4	0
356	Complement Receptors and Their Role in Leukocyte Recruitment and Phagocytosis. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 624025	5.7	14
355	Phenotypical and Functional Characterization of Neutrophils in Two Pyrin-Associated Auto-inflammatory Diseases. *Journal of Clinical Immunology*, **2021**, 41, 1072-1084	5.7	0
354	Inhibition of Drug-Induced Liver Injury in Mice Using a Positively Charged Peptide That Binds DNA. *Hepatology Communications*, **2021**, 5, 1737-1754	6	1
353	Odorant-binding proteins in canine anal sac glands indicate an evolutionarily conserved role in mammalian chemical communication. *Bmc Ecology and Evolution*, **2021**, 21, 182	21	1
352	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. *Clinical and Translational Immunology*, **2021**, 10, e1271	6.8	14
351	Neutrophil Homeostasis and Emergency Granulopoiesis: The Example of Systemic Juvenile Idiopathic Arthritis.. *Frontiers in Immunology*, **2021**, 12, 766620	8.4	1
350	Affinity and Specificity for Binding to Glycosaminoglycans Can Be Tuned by Adapting Peptide Length and Sequence.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	3
349	Serum Amyloid A1 (SAA1) Revisited: Restricted Leukocyte-Activating Properties of Homogeneous SAA1. *Frontiers in Immunology*, **2020**, 11, 843	8.4	15
348	Neutrophil chemoattractant receptors in health and disease: double-edged swords. *Cellular and Molecular Immunology*, **2020**, 17, 433-450	15.4	67
347	Bivalent Inhibitor with Selectivity for Trimeric MMP-9 Amplifies Neutrophil Chemotaxis and Enables Functional Studies on MMP-9 Proteoforms. *Cells*, **2020**, 9,	7.9	3
346	Induction of Chemokines by Hepatitis C Virus Proteins: Synergy of the Core Protein with Interleukin-1β and Interferon-γ in Liver Bystander Cells. *Journal of Interferon and Cytokine Research*, **2020**, 40, 195-206	3.5	2
345	Truncation of CXCL8 to CXCL8(9-77) enhances actin polymerization and in vivo migration of neutrophils. *Journal of Leukocyte Biology*, **2020**, 107, 1167-1173	6.5	7
344	Targeting Chemokine-Glycosaminoglycan Interactions to Inhibit Inflammation. *Frontiers in Immunology*, **2020**, 11, 483	8.4	40
343	Defective Sec61α1 underlies a novel cause of autosomal dominant severe congenital neutropenia. *Journal of Allergy and Clinical Immunology*, **2020**, 146, 1180-1193	11.5	17
342	Increased IL-10-producing regulatory T cells are characteristic of severe cases of COVID-19. *Clinical and Translational Immunology*, **2020**, 9, e1204	6.8	24

341	Biological Characterization of Commercial Recombinantly Expressed Immunomodulating Proteins Contaminated with Bacterial Products in the Year 2020: The SAA3 Case. *Mediators of Inflammation*, **2020**, 2020, 6087109	4.3	1
340	Establishing a Unified COVID-19 "Immunome": Integrating Coronavirus Pathogenesis and Host Immunopathology. *Frontiers in Immunology*, **2020**, 11, 1642	8.4	6
339	Lipoxin A impairs effective bacterial control and potentiates joint inflammation and damage caused by Staphylococcus aureus infection. *FASEB Journal*, **2020**, 34, 11498-11510	0.9	2
338	CXCL14 Preferentially Synergizes With Homeostatic Chemokine Receptor Systems. *Frontiers in Immunology*, **2020**, 11, 561404	8.4	2
337	Identification of a Wheat Thaumatin-like Protein That Inhibits. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10423-10431	5.7	4
336	Human DOCK2 Deficiency: Report of a Novel Mutation and Evidence for Neutrophil Dysfunction. *Journal of Clinical Immunology*, **2019**, 39, 298-308	5.7	17
335	MMP-9/Gelatinase B Degrades Immune Complexes in Systemic Lupus Erythematosus. *Frontiers in Immunology*, **2019**, 10, 538	8.4	6
334	The ectoenzyme-side of matrix metalloproteinases (MMPs) makes inflammation by serum amyloid A (SAA) and chemokines go round. *Immunology Letters*, **2019**, 205, 1-8	4.1	7
333	Gelatinase B/matrix metalloproteinase-9 and other neutrophil proteases switch off interleukin-2 activity. *Biochemical Journal*, **2019**, 476, 2191-2208	3.8	1
332	Chemical Mimics of Aspartate-Directed Proteases: Predictive and Strictly Specific Hydrolysis of a Globular Protein at Asp-X Sequence Promoted by Polyoxometalate Complexes Rationalized by a Combined Experimental and Theoretical Approach. *Chemistry - A European Journal*, **2019**, 25, 14370-14381	4.8	12
331	EDTA/gelatin zymography method to identify C1s versus activated MMP-9 in plasma and immune complexes of patients with systemic lupus erythematosus. *Journal of Cellular and Molecular Medicine*, **2019**, 23, 576-585	5.6	1
330	Propeptide glycosylation and galectin-3 binding decrease proteolytic activation of human proMMP-9/progelatinase B. *FEBS Journal*, **2019**, 286, 930-945	5.7	3
329	Dysbiotic Biofilms Deregulate the Periodontal Inflammatory Response. *Journal of Dental Research*, **2018**, 97, 547-555	8.1	45
328	Accelerated wound healing in mice by on-site production and delivery of CXCL12 by transformed lactic acid bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1895-1900	11.5	56
327	The unique structural and functional features of CXCL12. *Cellular and Molecular Immunology*, **2018**, 15, 299-311	15.4	122
326	Neutrophils: a cornerstone of liver ischemia and reperfusion injury. *Laboratory Investigation*, **2018**, 98, 51-62	5.9	75
325	Matrix Metalloproteinase-9-Generated COOH-, but Not NH-Terminal Fragments of Serum Amyloid A1 Retain Potentiating Activity in Neutrophil Migration to CXCL8, With Loss of Direct Chemotactic and Cytokine-Inducing Capacity. *Frontiers in Immunology*, **2018**, 9, 1081	8.4	10
324	Neutrophils and Activated Macrophages Control Mucosal Immunity by Proteolytic Cleavage of Antileukoproteinase. *Frontiers in Immunology*, **2018**, 9, 1154	8.4	9

323	Anti-inflammatory effects of the GAG-binding CXCL9(74-103) peptide in dinitrofluorobenzene-induced contact hypersensitivity in mice. *Clinical and Experimental Allergy*, **2018**, 48, 1333-1344	4.1	8
322	The chemokine fragment CXCL9(74-103) diminishes neutrophil recruitment and joint inflammation in antigen-induced arthritis. *Journal of Leukocyte Biology*, **2018**, 104, 413-422	6.5	12
321	CXCL4 and CXCL4L1 in cancer. *Cytokine*, **2018**, 109, 65-71	4	12
320	How post-translational modifications influence the biological activity of chemokines. *Cytokine*, **2018**, 109, 29-51	4	24
319	CXCR2 is critical for bacterial control and development of joint damage and pain in Staphylococcus aureus-induced septic arthritis in mouse. *European Journal of Immunology*, **2018**, 48, 454-463	6.1	10
318	Chemoattractants and cytokines in primary ciliary dyskinesia and cystic fibrosis: key players in chronic respiratory diseases. *Cellular and Molecular Immunology*, **2018**, 15, 312-323	15.4	16
317	Divergence of species-specific protein sex pheromone blends in two related, nonhybridizing newts (Salamandridae). *Molecular Ecology*, **2018**, 27, 508-519	5.7	7
316	Selective Hydrolysis of Ovalbumin Promoted by Hf(IV)-Substituted Wells-Dawson-Type Polyoxometalate. *Frontiers in Chemistry*, **2018**, 6, 614	5	12
315	Differential Effects of Posttranslational Modifications of CXCL8/Interleukin-8 on CXCR1 and CXCR2 Internalization and Signaling Properties. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	9
314	Peroxynitrite Exposure of CXCL12 Impairs Monocyte, Lymphocyte and Endothelial Cell Chemotaxis, Lymphocyte Extravasation and Anti-HIV-1 Activity. *Frontiers in Immunology*, **2018**, 9, 1933	8.4	4
313	Chemokine-Induced Macrophage Polarization in Inflammatory Conditions. *Frontiers in Immunology*, **2018**, 9, 1930	8.4	125
312	Gelatinase B/matrix metalloproteinase-9 is a phase-specific effector molecule, independent from Fas, in experimental autoimmune encephalomyelitis. *PLoS ONE*, **2018**, 13, e0197944	3.7	9
311	Pathological roles of the homeostatic chemokine CXCL12. *Cytokine and Growth Factor Reviews*, **2018**, 44, 51-68	17.9	58
310	Exaptation as a Mechanism for Functional Reinforcement of an Animal Pheromone System. *Current Biology*, **2018**, 28, 2955-2960.e5	6.3	7
309	Neutrophils: Beneficial and Harmful Cells in Septic Arthritis. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	19
308	Protein-Assisted Formation and Stabilization of Catalytically Active Polyoxometalate Species. *Chemistry - A European Journal*, **2018**, 24, 10099	4.8	33
307	COOH-terminal SAA1 peptides fail to induce chemokines but synergize with CXCL8 and CCL3 to recruit leukocytes via FPR2. *Blood*, **2018**, 131, 439-449	2.2	15
306	Highly Selective and Tunable Protein Hydrolysis by a Polyoxometalate Complex in Surfactant Solutions: A Step toward the Development of Artificial Metalloproteases for Membrane Proteins. *ACS Omega*, **2017**, 2, 2026-2033	3.9	13

305	Truncation of CXCL12 by CD26 reduces its CXC chemokine receptor 4- and atypical chemokine receptor 3-dependent activity on endothelial cells and lymphocytes. *Biochemical Pharmacology*, **2017**, 132, 92-101	6	33
304	Osteoprotegerin Is a New Regulator of Inflammation and Angiogenesis in Proliferative Diabetic Retinopathy **2017**, 58, 3189-3201		24
303	Intravital Microscopic Evaluation of the Effects of a CXCR2 Antagonist in a Model of Liver Ischemia Reperfusion Injury in Mice. *Frontiers in Immunology*, **2017**, 8, 1917	8.4	14
302	Overview of the Mechanisms that May Contribute to the Non-Redundant Activities of Interferon-Inducible CXC Chemokine Receptor 3 Ligands. *Frontiers in Immunology*, **2017**, 8, 1970	8.4	107
301	Relative distribution and biological characterization of CXCL4L1 isoforms in platelets from healthy donors. *Biochemical Pharmacology*, **2017**, 145, 123-131	6	4
300	Chemokine isoforms and processing in inflammation and immunity. *Journal of Autoimmunity*, **2017**, 85, 45-57	15.5	47
299	Glycosaminoglycans Regulate CXCR3 Ligands at Distinct Levels: Protection against Processing by Dipeptidyl Peptidase IV/CD26 and Interference with Receptor Signaling. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	17
298	CXCL9-Derived Peptides Differentially Inhibit Neutrophil Migration through Interference with Glycosaminoglycan Interactions. *Frontiers in Immunology*, **2017**, 8, 530	8.4	24
297	Neutrophils from Patients with Primary Ciliary Dyskinesia Display Reduced Chemotaxis to CXCR2 Ligands. *Frontiers in Immunology*, **2017**, 8, 1126	8.4	7
296	Matrix metalloproteinase-9 (MMP-9) as an activator of nanosystems for targeted drug delivery in pancreatic cancer. *Journal of Controlled Release*, **2016**, 239, 39-48	11.7	34
295	Courtship Pheromone Use in a Model Urodele, the Mexican Axolotl (Ambystoma mexicanum). *Scientific Reports*, **2016**, 6, 20184	4.9	13
294	Beyond sodefrin: evidence for a multi-component pheromone system in the model newt Cynops pyrrhogaster (Salamandridae). *Scientific Reports*, **2016**, 6, 21880	4.9	12
293	The cytokine-serum amyloid A-chemokine network. *Cytokine and Growth Factor Reviews*, **2016**, 30, 55-69	17.9	71
292	Development by Genetic Immunization of Monovalent Antibodies (Nanobodies) Behaving as Antagonists of the Human ChemR23 Receptor. *Journal of Immunology*, **2016**, 196, 2893-901	5.3	39
291	CD26/dipeptidylpeptidase IV-chemokine interactions: double-edged regulation of inflammation and tumor biology. *Journal of Leukocyte Biology*, **2016**, 99, 955-69	6.5	50
290	Basic chemokine-derived glycosaminoglycan binding peptides exert antiviral properties against dengue virus serotype 2, herpes simplex virus-1 and respiratory syncytial virus. *Biochemical Pharmacology*, **2016**, 100, 73-85	6	20
289	CXCL4 and CXCL4L1 Differentially Affect Monocyte Survival and Dendritic Cell Differentiation and Phagocytosis. *PLoS ONE*, **2016**, 11, e0166006	3.7	20
288	Natural nitration of CXCL12 reduces its signaling capacity and chemotactic activity in vitro and abrogates intra-articular lymphocyte recruitment in vivo. *Oncotarget*, **2016**, 7, 62439-62459	3.3	22

287	Structure and Expression of Different Serum Amyloid A (SAA) Variants and their Concentration-Dependent Functions During Host Insults. *Current Medicinal Chemistry*, **2016**, 23, 1725-55	4.3	108
286	Regulation of Chemokine Activity - A Focus on the Role of Dipeptidyl Peptidase IV/CD26. *Frontiers in Immunology*, **2016**, 7, 483	8.4	48
285	IDO1 Deficiency Does Not Affect Disease in Mouse Models of Systemic Juvenile Idiopathic Arthritis and Secondary Hemophagocytic Lymphohistiocytosis. *PLoS ONE*, **2016**, 11, e0150075	3.7	12
284	Tuning the Selectivity and Reactivity of Metal-Substituted Polyoxometalates as Artificial Proteases by Varying the Nature of the Embedded Lewis Acid Metal Ion. *European Journal of Inorganic Chemistry*, **2016**, 2016, 5098-5105	2.3	25
283	Microbiomic and Posttranslational Modifications as Preludes to Autoimmune Diseases. *Trends in Molecular Medicine*, **2016**, 22, 746-757	11.5	38
282	BAL neutrophilia in azithromycin-treated lung transplant recipients: Clinical significance. *Transplant Immunology*, **2015**, 33, 37-44	1.7	9
281	Side-by-side secretion of Late Palaeozoic diverged courtship pheromones in an aquatic salamander. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20142960	4.4	17
280	Different Ancestries of R Tailocins in Rhizospheric Pseudomonas Isolates. *Genome Biology and Evolution*, **2015**, 7, 2810-28	3.9	39
279	Endogenous biotin-binding proteins: an overlooked factor causing false positives in streptavidin-based protein detection. *Microbial Biotechnology*, **2015**, 8, 164-8	6.3	23
278	Serum amyloid A1□nduces paracrine IL-8/CXCL8 via TLR2 and directly synergizes with this chemokine via CXCR2 and formyl peptide receptor 2 to recruit neutrophils. *Journal of Leukocyte Biology*, **2015**, 98, 1049-60	6.5	30
277	Serum amyloid A chemoattracts immature dendritic cells and indirectly provokes monocyte chemotaxis by induction of cooperating CC and CXC chemokines. *European Journal of Immunology*, **2015**, 45, 101-12	6.1	47
276	Cloning, constitutive activity and expression profiling of two receptors related to relaxin receptors in Drosophila melanogaster. *Peptides*, **2015**, 68, 83-90	3.8	23
275	Highly Amino Acid Selective Hydrolysis of Myoglobin at Aspartate Residues as Promoted by Zirconium(IV)-Substituted Polyoxometalates. *Angewandte Chemie*, **2015**, 127, 7499-7502	3.6	23
274	Highly Amino Acid Selective Hydrolysis of Myoglobin at Aspartate Residues as Promoted by Zirconium(IV)-Substituted Polyoxometalates. *Angewandte Chemie - International Edition*, **2015**, 54, 7391-4	16.4	79
273	Cytokines in systemic juvenile idiopathic arthritis and haemophagocytic lymphohistiocytosis: tipping the balance between interleukin-18 and interferon-□*Rheumatology*, **2015**, 54, 1507-17	3.9	98
272	Differential cytokine, chemokine and growth factor expression in phenotypes of chronic lung allograft dysfunction. *Transplantation*, **2015**, 99, 86-93	1.8	34
271	HIV-1 IN/Pol recruits LEDGF/p75 into viral particles. *Retrovirology*, **2015**, 12, 16	3.6	15
270	The Positively Charged COOH-terminal Glycosaminoglycan-binding CXCL9(74-103) Peptide Inhibits CXCL8-induced Neutrophil Extravasation and Monosodium Urate Crystal-induced Gout in Mice. *Journal of Biological Chemistry*, **2015**, 290, 21292-304	5.4	42

269	Citrullination and proteolytic processing of chemokines by Porphyromonas gingivalis. *Infection and Immunity*, **2014**, 82, 2511-9	3.7	20
268	Regioselective hydrolysis of human serum albumin by Zr(IV)-substituted polyoxotungstates at the interface of positively charged protein surface patches and negatively charged amino acid residues. *Chemistry - A European Journal*, **2014**, 20, 3894-7	4.8	79
267	CXCL4L1 and CXCL4 signaling in human lymphatic and microvascular endothelial cells and activated lymphocytes: involvement of mitogen-activated protein (MAP) kinases, Src and p70S6 kinase. *Angiogenesis*, **2014**, 17, 631-40	10.6	15
266	Chemokines and other GPCR ligands synergize in receptor-mediated migration of monocyte-derived immature and mature dendritic cells. *Immunobiology*, **2014**, 219, 218-29	3.4	41
265	The Sputum Colour Chart as a predictor of lung inflammation, proteolysis and damage in non-cystic fibrosis bronchiectasis: a case-control analysis. *Respirology*, **2014**, 19, 203-210	3.6	42
264	Discovery of molecular pathways mediating 1,25-dihydroxyvitamin D3 protection against cytokine-induced inflammation and damage of human and male mouse islets of Langerhans. *Endocrinology*, **2014**, 155, 736-47	4.8	38
263	Selective hydrolysis of hen egg white lysozyme at Asp-X peptide bonds promoted by oxomolybdate. *Journal of Inorganic Biochemistry*, **2014**, 136, 73-80	4.2	11
262	Lipophorins can adhere to dsRNA, bacteria and fungi present in the hemolymph of the desert locust: a role as general scavenger for pathogens in the open body cavity. *Journal of Insect Physiology*, **2014**, 64, 7-13	2.4	23
261	A bioplex analysis of cytokines and chemokines in first trimester maternal plasma to screen for predictors of miscarriage. *PLoS ONE*, **2014**, 9, e93320	3.7	12
260	Azithromycin and the treatment of lymphocytic airway inflammation after lung transplantation. *American Journal of Transplantation*, **2014**, 14, 2736-48	8.7	24
259	Molecular origin of the hydrolytic activity and fixed regioselectivity of a Zr(IV) -substituted polyoxotungstate as artificial protease. *Chemistry - A European Journal*, **2014**, 20, 9567-77	4.8	43
258	Characterization of a type D1A EUL-related lectin from rice expressed in Pichia pastoris. *Biological Chemistry*, **2014**, 395, 413-24	4.5	7
257	Angiostatic, tumor inflammatory and anti-tumor effects of CXCL4(47-70) and CXCL4L1(47-70) in an EGF-dependent breast cancer model. *Oncotarget*, **2014**, 5, 10916-33	3.3	21
256	Frog nuptial pads secrete mating season-specific proteins related to salamander pheromones. *Journal of Experimental Biology*, **2013**, 216, 4139-43	3	18
255	In vivo regulation of chemokine activity by post-translational modification. *Immunology and Cell Biology*, **2013**, 91, 402-7	5	29
254	Carboxypeptidase M in apoptosis, adipogenesis and cancer. *Clinica Chimica Acta*, **2013**, 415, 306-16	6.2	8
253	Polyoxometalates as a novel class of artificial proteases: selective hydrolysis of lysozyme under physiological pH and temperature promoted by a cerium(IV) Keggin-type polyoxometalate. *Chemistry - A European Journal*, **2013**, 19, 2848-58	4.8	120
252	Identification and characterization of MIP-1β/CCL3 isoform 2 from bovine serum as a potent monocyte/dendritic cell chemoattractant. *Biochemical Pharmacology*, **2013**, 85, 789-97	6	12

251	Regulation of TNF-□with a focus on rheumatoid arthritis. *Immunology and Cell Biology*, **2013**, 91, 393-401	5	109
250	Citrullination of TNF-□by peptidylarginine deiminases reduces its capacity to stimulate the production of inflammatory chemokines. *Cytokine*, **2013**, 61, 161-7	4	25
249	CXCL6 antibody neutralization prevents lung inflammation and fibrosis in mice in the bleomycin model. *Journal of Leukocyte Biology*, **2013**, 94, 1317-23	6.5	32
248	HylA, an alternative hydrolase for initiation of catabolism of the phenylurea herbicide linuron in Variovorax sp. strains. *Applied and Environmental Microbiology*, **2013**, 79, 5258-63	4.8	24
247	Plant lectin-like antibacterial proteins from phytopathogens Pseudomonas syringae and Xanthomonas citri. *Environmental Microbiology Reports*, **2012**, 4, 373-80	3.7	24
246	Expression analysis of a type S2 EUL-related lectin from rice in Pichia pastoris. *Glycoconjugate Journal*, **2012**, 29, 467-79	3	10
245	Meprins process matrix metalloproteinase-9 (MMP-9)/gelatinase B and enhance the activation kinetics by MMP-3. *FEBS Letters*, **2012**, 586, 4264-9	3.8	18
244	Arabidopsis F-box protein containing a Nictaba-related lectin domain interacts with N-acetyllactosamine structures. *FEBS Open Bio*, **2012**, 2, 151-8	2.7	25
243	Possible mechanisms involved in chemokine synergy fine tuning the inflammatory response. *Immunology Letters*, **2012**, 145, 10-4	4.1	34
242	Overview of the mechanisms regulating chemokine activity and availability. *Immunology Letters*, **2012**, 145, 2-9	4.1	75
241	Peptidylarginine deiminases: physiological function, interaction with chemokines and role in pathology. *Drug Discovery Today: Technologies*, **2012**, 9, e227-314	7.1	12
240	C-terminal clipping of chemokine CCL1/I-309 enhances CCR8-mediated intracellular calcium release and anti-apoptotic activity. *PLoS ONE*, **2012**, 7, e34199	3.7	14
239	Lectin activity of the nucleocytoplasmic EUL protein from Arabidopsis thaliana. *Biochemical and Biophysical Research Communications*, **2011**, 414, 101-5	3.4	23
238	Biological activity of CXCL8 forms generated by alternative cleavage of the signal peptide or by aminopeptidase-mediated truncation. *PLoS ONE*, **2011**, 6, e23913	3.7	20
237	Angiostatic and chemotactic activities of the CXC chemokine CXCL4L1 (platelet factor-4 variant) are mediated by CXCR3. *Blood*, **2011**, 117, 480-8	2.2	77
236	Expression analysis of the nucleocytoplasmic lectin 'Orysata' from rice in Pichia pastoris. *FEBS Journal*, **2011**, 278, 2064-79	5.7	25
235	Effect of posttranslational processing on the in vitro and in vivo activity of chemokines. *Experimental Cell Research*, **2011**, 317, 642-54	4.2	79
234	CXCR4 and CCR5 ligands cooperate in monocyte and lymphocyte migration and in inhibition of dual-tropic (R5/X4) HIV-1 infection. *European Journal of Immunology*, **2011**, 41, 963-73	6.1	41

233	Interaction of the tobacco lectin with histone proteins. *Plant Physiology*, **2011**, 155, 1091-102	6.6	40
232	Detection and quantification of citrullinated chemokines. *PLoS ONE*, **2011**, 6, e28976	3.7	27
231	The COOH-terminal peptide of platelet factor-4 variant (CXCL4L1/PF-4var47-70) strongly inhibits angiogenesis and suppresses B16 melanoma growth in vivo. *Molecular Cancer Research*, **2010**, 8, 322-34	6.6	34
230	Posttranslational modification of the NH2-terminal region of CXCL5 by proteases or peptidylarginine Deiminases (PAD) differently affects its biological activity. *Journal of Biological Chemistry*, **2010**, 285, 29750-9	5.4	49
229	Myeloid cells are tunable by a polyanionic polysaccharide derivative and co-determine host rescue from lethal virus infection. *Journal of Leukocyte Biology*, **2010**, 88, 1017-29	6.5	9
228	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. *Glycoconjugate Journal*, **2010**, 27, 613-23	3	18
227	Characterisation of the first wheat (Triticum aestivum L.) nucleotide pyrophosphatase/phosphodiesterase resembling mammalian counterparts. *Journal of Cereal Science*, **2010**, 51, 326-336	3.8	6
226	Citrullination of CXCL12 differentially reduces CXCR4 and CXCR7 binding with loss of inflammatory and anti-HIV-1 activity via CXCR4. *Journal of Immunology*, **2009**, 182, 666-74	5.3	75
225	Characterization of Kafirins in Algerian Sorghum Cultivars. *Cereal Chemistry*, **2009**, 86, 487-491	2.4	10
224	Recognition versus adaptive up-regulation and degradation of CC chemokines by the chemokine decoy receptor D6 are determined by their N-terminal sequence. *Journal of Biological Chemistry*, **2009**, 284, 26207-15	5.4	43
223	CC chemokine ligand-2 synergizes with the nonchemokine G protein-coupled receptor ligand fMLP in monocyte chemotaxis, and it cooperates with the TLR ligand LPS via induction of CXCL8. *Journal of Leukocyte Biology*, **2009**, 86, 671-80	6.5	18
222	Chapter 1. Isolation, identification, and production of posttranslationally modified chemokines. *Methods in Enzymology*, **2009**, 461, 3-29	1.7	33
221	Synergistic up-regulation of MCP-2/CCL8 activity is counteracted by chemokine cleavage, limiting its inflammatory and anti-tumoral effects. *European Journal of Immunology*, **2009**, 39, 843-57	6.1	47
220	"Reverse degradomics", monitoring of proteolytic trimming by multi-CE and confocal detection of fluorescent substrates and reaction products. *Electrophoresis*, **2009**, 30, 2366-77	3.6	13
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218	Algerian pearl millet (Pennisetum glaucum L.) contains XIP but not TAXI and TLXI type xylanase inhibitors. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 5542-8	5.7	3
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