Alexander J Szalai

List of Publications by Year
in descending order

98 papers	5,979 citations	50276 46 h-index	74163 75 g-index
98 all docs	98 docs citations	98 times ranked	6561 citing authors

#	Article	IF	Citations
1	C-Reactive Protein Accelerates the Progression of Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. Circulation, 2004, 109, 647-655.	1.6	371
2	Induction of leptin resistance through direct interaction of C-reactive protein with leptin. Nature Medicine, 2006, 12, 425-432.	30.7	294
3	Increased Thrombosis After Arterial Injury in Human C-Reactive Proteinâ€“Transgenic Mice. Circulation, 2003, 108, 512-515.	1.6	268
4	Pneumococcal Surface Protein A Inhibits Complement Activation byStreptococcus pneumoniae. Infection and Immunity, 1999, 67, 4720-4724.	2.2	243
5	C-Reactive Protein Gene Polymorphisms, C-Reactive Protein Blood Levels, and Cardiovascular Disease Risk. Journal of the American College of Cardiology, 2007, 50, 1115-1122.	2.8	185
6	Evidence for anti-inflammatory activity of statins and PPARÎ± activators in human C-reactive protein transgenic mice in vivo and in cultured human hepatocytes in vitro. Blood, 2004, 103, 4188-4194.	1.4	166
7	C-reactive Protein: A Physiological Activator of Interleukin 6 Receptor Shedding. Journal of Experimental Medicine, 1999, 189, 599-604.	8.5	161
8	Genetic disruption of the murine complement C3 promoter region generates deficient mice with extrahepatic expression of C3 mRNA. Immunopharmacology, 1999, 42, 135-149.	2.0	159
9	Effects of PspA and Antibodies to PspA on Activation and Deposition of Complement on the Pneumococcal Surface. Infection and Immunity, 2004, 72, 114-122.	2.2	156
10	Single-nucleotide polymorphisms in the C-reactive protein (CRP) gene promoter that affect transcription factor binding, alter transcriptional activity, and associate with differences in baseline serum CRP level. Journal of Molecular Medicine, 2005, 83, 440-447.	3.9	146
11	Association between baseline levels of C-reactive protein (CRP) and a dinucleotide repeat polymorphism in the intron of the CRP gene. Genes and Immunity, 2002, 3, 14-19.	4.1	131
12	Both Family 1 and Family 2 PspA Proteins Can Inhibit Complement Deposition and Confer Virulence to a Capsular Serotype 3 Strain of Streptococcus pneumoniae. Infection and Immunity, 2003, 71, 75-85.	2.2	122
13	Attenuation of Experimental Autoimmune Demyelination in Complement-Deficient Mice. Journal of Immunology, 2000, 165, 5867-5873.	0.8	120
14	No Effect of C-Reactive Protein on Early Atherosclerosis Development in Apolipoprotein E*3-Leiden/Human C-Reactive Protein Transgenic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1635-1640.	2.4	115
15	Human C-Reactive Protein Is Protective against Fatal Salmonella enterica Serovar Typhimurium Infection in Transgenic Mice. Infection and Immunity, 2000, 68, 5652-5656.	2.2	107
16	The Virulence Function of Streptococcus pneumoniae Surface Protein A Involves Inhibition of Complement Activation and Impairment of Complement Receptor-Mediated Protection. Journal of Immunology, 2004, 173, 7506-7512.	0.8	102
17	C-Reactive Protein Promotes Cardiac Fibrosis and Inflammation in Angiotensin IIâ€“Induced Hypertensive Cardiac Disease. Hypertension, 2010, 55, 953-960.	2.7	98
18	FcÎ³Rs Modulate Cytotoxicity of Anti-Fas Antibodies: Implications for Agonistic Antibody-Based Therapeutics. Journal of Immunology, 2003, 171, 562-568.	0.8	96

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19	Delayed lupus onset in (NZB Ã— NZW)F1mice expressing a human C-reactive protein transgene. Arthritis and Rheumatism, 2003, 48, 1602-1611.	6.7	90
20	Pneumococcal Surface Protein A Inhibits Complement Deposition on the Pneumococcal Surface by Competing with the Binding of C-Reactive Protein to Cell-Surface Phosphocholine. Journal of Immunology, 2012, 189, 5327-5335.	0.8	86
21	Experimental Allergic Encephalomyelitis Is Inhibited in Transgenic Mice Expressing Human C-Reactive Protein. Journal of Immunology, 2002, 168, 5792-5797.	0.8	84
22	The antimicrobial activity of C-reactive protein. Microbes and Infection, 2002, 4, 201-205.	1.9	84
23	Overexpression of innate immune response genes in a model of recessive polycystic kidney disease. Kidney International, 2008, 73, 63-76.	5.2	82
24	Hyposialylated IgG activates endothelial IgG receptor FcÎ³RIIB to promote obesity-induced insulin resistance. Journal of Clinical Investigation, 2017, 128, 309-322.	8.2	82
25	C-Reactive Protein: Structural Biology and Host Defense Function. Clinical Chemistry and Laboratory Medicine, 1999, 37, 265-70.	2.3	80
26	Complement-Dependent Acute-Phase Expression of C-Reactive Protein and Serum Amyloid P-Component. Journal of Immunology, 2000, 165, 1030-1035.	0.8	79
27	Tumor Necrosis Factor Alpha Receptor I Is Important for Survival fromStreptococcus pneumoniaeInfections. Infection and Immunity, 1999, 67, 595-601.	2.2	78
28	Effect of Low Dose Atorvastatin Versus Diet-Induced Cholesterol Lowering on Atherosclerotic Lesion Progression and Inflammation in Apolipoprotein E*3â€“Leiden Transgenic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 161-167.	2.4	77
29	Varied Biologic Functions of C-reactive Protein: Lessons Learned from Transgenic Mice. Immunologic Research, 2002, 26, 279-288.	2.9	72
30	Impaired endothelial function in C-reactive protein overexpressing mice. Atherosclerosis, 2008, 201, 318-325.	0.8	69
31	C-Reactive Protein (CRP) and Autoimmune Disease: Facts and Conjectures. Clinical and Developmental Immunology, 2004, 11, 221-226.	3.3	65
32	C-reactive protein promotes diabetic kidney disease in a mouse model of type 1 diabetes. Diabetologia, 2011, 54, 2713-2723.	6.3	65
33	Associations Between Abnormal Rod-Mediated Dark Adaptation and Health and Functioning in Older Adults With Normal Macular Health. , 2014, 55, 4776.		62
34	C-reactive protein promotes acute renal inflammation and fibrosis in unilateral ureteral obstructive nephropathy in mice. Laboratory Investigation, 2011, 91, 837-851.	3.7	61
35	PspA and PspC Minimize Immune Adherence and Transfer of Pneumococci from Erythrocytes to Macrophages through Their Effects on Complement Activation. Infection and Immunity, 2007, 75, 5877-5885.	2.2	57
36	C-reactive protein promotes acute kidney injury by impairing G1/S-dependent tubular epithelium cell regeneration. Clinical Science, 2014, 126, 645-659.	4.3	57

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37	Estrogen Effects on Vascular Inflammation Are Age Dependent. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1477-1485.	2.4	57
38	The Arthus Reaction in Rodents: Species-Specific Requirement of Complement. Journal of Immunology, 2000, 164, 463-468.	0.8	54
39	Complement in experimental autoimmune encephalomyelitis revisited: C3 is required for development of maximal disease. Molecular Immunology, 2007, 44, 3132-3136.	2.2	54
40	C-reactive protein promotes acute kidney injury via Smad3-dependent inhibition of CDK2/cyclin E. Kidney International, 2016, 90, 610-626.	5.2	54
41	Environmental factors affecting outbreaks of winter saprolegniosis in channel catfish, Ictalurus punctatus (Rafinesque). Journal of Fish Diseases, 1993, 16, 541-549.	1.9	53
42	Genetic deficiency of C3 as well as CNS-targeted expression of the complement inhibitor sCrry ameliorates experimental autoimmune uveoretinitis. Experimental Eye Research, 2006, 82, 389-394.	2.6	53
43	The biological functions of C-reactive protein. Vascular Pharmacology, 2002, 39, 105-107.	2.1	52
44	C-Reactive Protein Impairs Dendritic Cell Development, Maturation, and Function: Implications for Peripheral Tolerance. Frontiers in Immunology, 2018, 9, 372.	4.8	52
45	C3a expressed in the central nervous system protects against LPS-induced shock. Neuroscience Letters, 2005, 387, 68-71.	2.1	49
46	Exaggerated Neointima Formation in Human C-Reactive Protein Transgenic Mice Is IgG Fc Receptor Type I (FcI³RI)-Dependent. American Journal of Pathology, 2008, 172, 22-30.	3.8	49
47	Multiple Lupusâ€Associated ITGAM Variants Alter Macâ€1 Functions on Neutrophils. Arthritis and Rheumatism, 2013, 65, 2907-2916.	6.7	47
48	C-reactive protein exacerbates renal ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2013, 304, F1358-F1365.	2.7	45
49	C-Reactive Protein Directly Suppresses Th1 Cell Differentiation and Alleviates Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2015, 194, 5243-5252.	0.8	44
50	Differences in numbers and inequalities in mass and fecundity during the egg-producing period for Raphidascaris acus (Nematoda: Anisakidae). Parasitology, 1989, 98, 489-495.	1.5	43
51	Changes in serum concentrations of channel catfish (Ictalurus punctatus Rafinesque) phosphorylcholine-reactive protein (PRP) in response to inflammatory agents, low temperature-shock and infection by the fungus Saprolegnia sp.. Fish and Shellfish Immunology, 1994, 4, 323-336.	3.6	40
52	C-Reactive Protein-Mediated Vascular Injury Requires Complement. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1189-1195.	2.4	40
53	A Selective Inhibitor of Human C-reactive Protein Translation Is Efficacious In Vitro and in C-reactive Protein Transgenic Mice and Humans. Molecular Therapy - Nucleic Acids, 2012, 1, e52.	5.1	40
54	Kidney Injury Accelerates Cystogenesis via Pathways Modulated by Heme Oxygenase and Complement. Journal of the American Society of Nephrology: JASN, 2012, 23, 1161-1171.	6.1	40

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55	Bioluminescence imaging reveals a significant role for complement in liver transduction following intravenous delivery of adenovirus. Gene Therapy, 2004, 11, 1482-1486.	4.5	39
56	Collagenâ€induced arthritis is exacerbated in Câ€reactive proteinâ€“deficient mice. Arthritis and Rheumatism, 2011, 63, 2641-2650.	6.7	36
57	Murine complement C4 is not required for experimental autoimmune encephalomyelitis. Glia, 2005, 49, 158-160.	4.9	32
58	Inhibiting C-Reactive Protein for the Treatment of Cardiovascular Disease: Promising Evidence from Rodent Models. Mediators of Inflammation, 2014, 2014, 1-9.	3.0	31
59	Estrogen Treatment Abrogates Neointima Formation in Human C-Reactive Protein Transgenic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2094-2099.	2.4	30
60	The role of C-reactive protein polymorphisms in inflammation and cardiovascular risk. Current Atherosclerosis Reports, 2009, 11, 124-130.	4.8	30
61	Isolation of an acute-phase phosphorylcholine-reactive pentraxin from channel catfish (Ictalurus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 535-543.	0.2	29
62	Complement and demyelinating disease: No MAC needed?. Brain Research Reviews, 2006, 52, 58-68.	9.0	28
63	Complement Receptor 1 Expression on Mouse Erythrocytes Mediates Clearance ofStreptococcus pneumoniaeby Immune Adherence. Infection and Immunity, 2010, 78, 3129-3135.	2.2	28
64	C-Reactive Protein Promotes the Expansion of Myeloid Derived Cells With Suppressor Functions. Frontiers in Immunology, 2019, 10, 2183.	4.8	27
65	Morphological variability in Echinorhynchus gadi, E. leidyi, and E. salmonis (Acanthocephala: Echinorhynchidae) from fishes in northern Canadian waters. Canadian Journal of Zoology, 1986, 64, 985-995.	1.0	26
66	Role of Predation and Parasitism in Growth and Mortality of Yellow Perch in Dauphin Lake, Manitoba. Transactions of the American Fisheries Society, 1991, 120, 739-751.	1.4	25
67	Immune Opsonins Modulate BLyS/BAFF Release in a Receptor-Specific Fashion. Journal of Immunology, 2008, 181, 1012-1018.	0.8	23
68	Therapeutic Lowering of C-Reactive Protein. Frontiers in Immunology, 2020, 11, 619564.	4.8	23
69	C-reactive protein exacerbates renal ischemia-reperfusion injury: are myeloid-derived suppressor cells to blame?. American Journal of Physiology - Renal Physiology, 2016, 311, F176-F181.	2.7	22
70	Biomarkers of inflammation and hemostasis associated with left ventricular mass: The Multiethnic Study of Atherosclerosis (MESA). International Journal of Molecular Epidemiology and Genetics, 2011, 2, 391-400.	0.4	22
71	Anti-Atherosclerotic Effect of Amlodipine, Alone and in Combination With Atorvastatin, in APOE*3-Leiden/hCRP Transgenic Mice. Journal of Cardiovascular Pharmacology, 2006, 47, 89-95.	1.9	21
72	Serum anti-LPS antibody production by rainbow trout (Oncorhynchus mykiss) in response to the administration of free and liposomally-incorporated LPS fromAeromonas salmonicida. Fish and Shellfish Immunology, 1997, 7, 387-401.	3.6	20

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73	C-reactive protein induces expression of tissue factor and plasminogen activator inhibitor-1 and promotes fibrin accumulation in vein grafts. Journal of Thrombosis and Haemostasis, 2014, 12, 1667-1677.	3.8	20
74	Complement in BuB/BnJ mice revisited: Serum C3 levels and complement opsonic activity are not elevated. Molecular Immunology, 2006, 43, 1722-1725.	2.2	19
75	Antibody to the Type 3 Capsule Facilitates Immune Adherence of Pneumococci to Erythrocytes and Augments Their Transfer to Macrophages. Infection and Immunity, 2009, 77, 464-471.	2.2	18
76	Requirement of the Fc receptor common Î³-chain forÎ³Î´ T cell-mediated promotion of murine experimental autoimmune encephalomyelitis. European Journal of Immunology, 2005, 35, 3487-3492.	2.9	17
77	Associations of C-Reactive Protein to Indices of Vascular Health and the Influence of Serum 25(OH)D Status in Healthy Adults. Journal of Nutrition and Metabolism, 2012, 2012, 1-6.	1.8	17
78	Serum eotaxin-1 is increased in extremely-low-birth-weight infants with bronchopulmonary dysplasia or death. Pediatric Research, 2015, 78, 498-504.	2.3	17
79	Inhibition of Experimental Autoimmune Encephalomyelitis in Human C-Reactive Protein Transgenic Mice Is FcRIIB Dependent. Autoimmune Diseases, 2011, 2011, 1-6.	0.6	14
80	Fc receptors and the common ?-chain in experimental autoimmune encephalomyelitis. Journal of Neuroscience Research, 2004, 75, 597-602.	2.9	13
81	Effects of the Dietary Ï‰3:Ï‰6 Fatty Acid Ratio on Body Fat and Inflammation in Zebrafish (Danio rerio). Comparative Medicine, 2015, 65, 289-94.	1.0	13
82	Hepatic but Not CNS-Expressed Human C-Reactive Protein Inhibits Experimental Autoimmune Encephalomyelitis in Transgenic Mice. Autoimmune Diseases, 2015, 2015, 1-8.	0.6	12
83	Genetic and morphological variability in a population of Diphyllobothrium dendriticum (Nitzsch,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	11
84	Neointimal formation is reduced after arterial injury in human crp transgenic mice. Atherosclerosis, 2008, 201, 85-91.	0.8	10
85	Human Neutrophil Flow Chamber Adhesion Assay. Journal of Visualized Experiments, 2014, , .	0.3	10
86	HELMINTHS OF STOCKED RAINBOW TROUT (SALMO GAIRDNERI) WITH SPECIAL REFERENCE TO CLINOSTOMUM COMPLANATUM. Journal of Wildlife Diseases, 1988, 24, 456-460.	0.8	9
87	Uptake and biodistribution of free and liposomally incorporated lipopolysaccharide of aeromonas salmonicida administered via different routes to rainbow trout: (Oncorhynchus mykiss). Journal of Liposome Research, 1994, 4, 1029-1048.	3.3	8
88	The role of genetic variants in CRP in radiographic severity in African Americans with early and established rheumatoid arthritis. Genes and Immunity, 2015, 16, 446-451.	4.1	8
89	Proteocephalus ambloplitis and Contracaecum sp. from Largemouth Bass (Micropterus salmoides) Stocked into Boundary Reservoir, Saskatchewan. Journal of Parasitology, 1990, 76, 598.	0.7	6
90	C-Reactive Protein and Arteriosclerosis. Mediators of Inflammation, 2014, 2014, 1-1.	3.0	6

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91	Mice expressing the variant rs1143679 allele of ITGAM (CD11b) show impaired DC-mediated T cell proliferation. Mammalian Genome, 2019, 30, 245-259.	2.2	6
92	Human C-reactive protein impedes entry of leptin into the CNS and attenuates its physiological actions in the CNS. Biochemical Journal, 2016, 473, 1215-1224.	3.7	5
93	Experimental autoimmune uveitis in the C57BL/6 mouse. Experimental Eye Research, 2006, 83, 229-230.	2.6	4
94	Chelation affects the conformation, lability and aggregation of channel catfish (Ictalurus punctatus) phosphorylcholine-reactive protein (PRP). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 102, 545-550.	0.2	3
95	Deletion of C-reactive protein ameliorates experimental cerebral malaria?. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2014, 108, 591-593.	1.8	3
96	An About-Face for C-Reactive Protein?. Clinical Chemistry, 2011, 57, 1351-1353.	3.2	2
97	An Alternative Procedure for Isolation of Rainbox Trout,Oncorhynchus mykiss, Serum Immunoglobulin. Journal of Applied Aquaculture, 1996, 5, 33-45.	1.4	0
98	Response to C-Reactive Protein and Cardiovascular Disease: Differences Between Humans and Mice. Hypertension, 2010, 56, .	2.7	0