

# Gregory L Stahl

## List of Publications by Year in descending order

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119  
papers

8,511  
citations

36203

51  
h-index

45213

90  
g-index

124  
all docs

124  
docs citations

124  
times ranked

8425  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predominant role for C5b-9 in renal ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , 2000, 105, 1363-1371.	3.9	418
2	Human IgA Activates the Complement System Via the Mannan-Binding Lectin Pathway. <i>Journal of Immunology</i> , 2001, 167, 2861-2868.	0.4	385
3	Myocardial Infarction and Apoptosis After Myocardial Ischemia and Reperfusion. <i>Circulation</i> , 1998, 97, 2259-2267.	1.6	382
4	Reduced Inflammation and Tissue Damage in Transgenic Rabbits Overexpressing 15-Lipoxygenase and Endogenous Anti-inflammatory Lipid Mediators. <i>Journal of Immunology</i> , 2003, 171, 6856-6865.	0.4	364
5	Glomerular Activation of the Lectin Pathway of Complement in IgA Nephropathy Is Associated with More Severe Renal Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 1724-1734.	3.0	357
6	Complement Activation after Oxidative Stress. <i>American Journal of Pathology</i> , 2000, 156, 1549-1556.	1.9	314
7	Pharmacology and Biological Efficacy of a Recombinant, Humanized, Single-Chain Antibody C5 Complement Inhibitor in Patients Undergoing Coronary Artery Bypass Graft Surgery With Cardiopulmonary Bypass. <i>Circulation</i> , 1999, 100, 2499-2506.	1.6	282
8	Inhibition of Mannose-Binding Lectin Reduces Postischemic Myocardial Reperfusion Injury. <i>Circulation</i> , 2001, 104, 1413-1418.	1.6	240
9	Mannose-Binding Lectin Is a Regulator of Inflammation That Accompanies Myocardial Ischemia and Reperfusion Injury. <i>Journal of Immunology</i> , 2005, 175, 541-546.	0.4	226
10	Complement Induction in Spinal Cord Microglia Results in Anaphylatoxin C5a-Mediated Pain Hypersensitivity. <i>Journal of Neuroscience</i> , 2007, 27, 8699-8708.	1.7	211
11	Neutrophil-derived 5 $\alpha$ -Adenosine Monophosphate Promotes Endothelial Barrier Function via CD73-mediated Conversion to Adenosine and Endothelial A2B Receptor Activation. <i>Journal of Experimental Medicine</i> , 1998, 188, 1433-1443.	4.2	210
12	Hemodynamic Changes Induced by Liposomes and Liposome-Encapsulated Hemoglobin in Pigs. <i>Circulation</i> , 1999, 99, 2302-2309.	1.6	185
13	Gastrointestinal Ischemia-Reperfusion Injury Is Lectin Complement Pathway Dependent without Involving C1q. <i>Journal of Immunology</i> , 2005, 174, 6373-6380.	0.4	183
14	Polyglycolic Acid-Induced Inflammation: Role of Hydrolysis and Resulting Complement Activation. <i>Tissue Engineering</i> , 2006, 12, 301-308.	4.9	161
15	Neutrophil-derived Glutamate Regulates Vascular Endothelial Barrier Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 14801-14811.	1.6	155
16	Role for the Alternative Complement Pathway in Ischemia/Reperfusion Injury. <i>American Journal of Pathology</i> , 2003, 162, 449-455.	1.9	151
17	Role for Periodontitis in the Progression of Lipid Deposition in an Animal Model. <i>Infection and Immunity</i> , 2003, 71, 6012-6018.	1.0	150
18	The Lectin Pathway of Complement Activation Is a Critical Component of the Innate Immune Response to Pneumococcal Infection. <i>PLoS Pathogens</i> , 2012, 8, e1002793.	2.1	144

#	ARTICLE	IF	CITATIONS
19	ROLE OF THE ALTERNATIVE PATHWAY IN THE EARLY COMPLEMENT ACTIVATION FOLLOWING MAJOR TRAUMA. Shock, 2007, 28, 29-34.	1.0	138
20	Hydrogen sulfide therapy attenuates the inflammatory response in a porcine model of myocardial ischemia/reperfusion injury. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 977-984.	0.4	135
21	Role of C3a Receptors, C5a Receptors, and Complement Protein C6 Deficiency in Collagen Antibody-Induced Arthritis in Mice. Journal of Immunology, 2012, 188, 1469-1478.	0.4	122
22	Targeting Mannose-Binding Lectin Confers Long-Lasting Protection With a Surprisingly Wide Therapeutic Window in Cerebral Ischemia. Circulation, 2012, 126, 1484-1494.	1.6	119
23	Endothelial Oxidative Stress Activates the Lectin Complement Pathway. American Journal of Pathology, 2001, 159, 1045-1054.	1.9	118
24	The complement system in ischemia/reperfusion injuries. Immunobiology, 2012, 217, 1026-1033.	0.8	118
25	Mannose-binding lectin binds IgM to activate the lectin complement pathway in vitro and in vivo. Immunobiology, 2006, 211, 759-766.	0.8	101
26	Identification of a Cytochrome P450E1/Bid/C1q-dependent Axis Mediating Inflammation in Adipose Tissue after Chronic Ethanol Feeding to Mice. Journal of Biological Chemistry, 2011, 286, 35989-35997.	1.6	96
27	Hypoxia enhances induction of endothelial ICAM-1: role for metabolic acidosis and proteasomes. American Journal of Physiology - Cell Physiology, 1997, 273, C1571-C1580.	2.1	94
28	Role of extracellular nucleotide phosphohydrolysis in intestinal ischemia/reperfusion injury. FASEB Journal, 2008, 22, 2784-2797.	0.2	89
29	Hypoxia-regulated therapeutic gene as a preemptive treatment strategy against ischemia/reperfusion tissue injury. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12282-12287.	3.3	88
30	Myocardial ischemia and reperfusion injury is dependent on both IgM and mannose-binding lectin. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1853-H1859.	1.5	88
31	The down-stream effects of mannan-induced lectin complement pathway activation depend quantitatively on alternative pathway amplification. Molecular Immunology, 2009, 47, 373-380.	1.0	83
32	Mannose-binding lectin and its associated proteases (MASPs) mediate coagulation and its deficiency is a risk factor in developing complications from infection, including disseminated intravascular coagulation. Immunobiology, 2011, 216, 96-102.	0.8	82
33	Mannose-Binding Lectin-Associated Serine Protease-1 Is a Significant Contributor to Coagulation in a Murine Model of Occlusive Thrombosis. Journal of Immunology, 2012, 188, 885-891.	0.4	79
34	Reoxygenation of Hypoxic Human Umbilical Vein Endothelial Cells Activates the Classic Complement Pathway. Circulation, 1997, 96, 326-333.	1.6	79
35	The Alternative Complement Pathway Propagates Inflammation and Injury in Murine Ischemic Stroke. Journal of Immunology, 2012, 189, 4640-4647.	0.4	78
36	Endogenous and Natural Complement Inhibitor Attenuates Myocardial Injury and Arterial Thrombogenesis. Circulation, 2012, 126, 2227-2235.	1.6	74

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37	Antiadhesive Role of Apical Decay-accelerating Factor (CD55) in Human Neutrophil Transmigration across Mucosal Epithelia. <i>Journal of Experimental Medicine</i> , 2003, 198, 999-1010.	4.2	73
38	Targeted Inhibition of the Complement Alternative Pathway with Complement Receptor 2 and Factor H Attenuates Collagen Antibody-Induced Arthritis in Mice. <i>Journal of Immunology</i> , 2009, 183, 5928-5937.	0.4	68
39	Lectin-Dependent Enhancement of Ebola Virus Infection via Soluble and Transmembrane C-type Lectin Receptors. <i>PLoS ONE</i> , 2013, 8, e60838.	1.1	67
40	Complement Inhibition Prevents Oncolytic Vaccinia Virus Neutralization in Immune Humans and Cynomolgus Macaques. <i>Molecular Therapy</i> , 2015, 23, 1066-1076.	3.7	65
41	Complement-Mediated Loss of Endothelium-Dependent Relaxation of Porcine Coronary Arteries. <i>Circulation Research</i> , 1995, 76, 575-583.	2.0	63
42	A Stable Aspirin-Triggered Lipoxin A4 Analog Blocks Phosphorylation of Leukocyte-Specific Protein 1 in Human Neutrophils. <i>Journal of Immunology</i> , 2004, 173, 2091-2098.	0.4	60
43	Anti-C5a monoclonal antibody reduces cardiopulmonary bypass and cardioplegia-induced coronary endothelial dysfunction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998, 116, 1060-1068.	0.4	59
44	Direct Treatment of Mouse or Human Blood With Soluble 5 $\alpha$ -Nucleotidase Inhibits Platelet Aggregation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1477-1483.	1.1	59
45	Initiation of complement activation following oxidative stress. In vitro and in vivo observations. <i>Molecular Immunology</i> , 2004, 41, 165-171.	1.0	58
46	Role of C5 in the development of airway inflammation, airway hyperresponsiveness, and ongoing airway response. <i>Journal of Clinical Investigation</i> , 2005, 115, 1590-1600.	3.9	58
47	Murine model of gastrointestinal ischemia associated with complement-dependent injury. <i>Journal of Applied Physiology</i> , 2002, 93, 338-345.	1.2	57
48	Mesenteric dysfunction after cardiopulmonary bypass: role of complement C5a. <i>Annals of Thoracic Surgery</i> , 2000, 69, 799-807.	0.7	55
49	Reduced Tissue Damage and Improved Recovery of Motor Function after Traumatic Brain Injury in Mice Deficient in Complement Component C4. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1954-1964.	2.4	55
50	Essential Role of Complement Mannose-Binding Lectin-Associated Serine Proteases-1/3 in the Murine Collagen Antibody-Induced Model of Inflammatory Arthritis. <i>Journal of Immunology</i> , 2010, 185, 5598-5606.	0.4	55
51	Complement activation following reoxygenation of hypoxic human endothelial cells: Role of intracellular reactive oxygen species, NF- $\kappa$ B and new protein synthesis. <i>Immunopharmacology</i> , 1998, 39, 39-50.	2.0	54
52	The alternative complement pathway regulates pathological angiogenesis in the retina. <i>FASEB Journal</i> , 2014, 28, 3171-3182.	0.2	54
53	Mannose Binding Lectin Gene Deficiency Increases Susceptibility to Traumatic Brain Injury in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1030-1039.	2.4	52
54	A Novel L-ficolin/Mannose-binding Lectin Chimeric Molecule with Enhanced Activity against Ebola Virus. <i>Journal of Biological Chemistry</i> , 2010, 285, 24729-24739.	1.6	51

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55	Endothelial Nuclear Factor- $\kappa$ B Translocation and Vascular Cell Adhesion Molecule-1 Induction by Complement. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2623-2629.	1.1	50
56	Therapeutic potential of targeting the complement cascade in critical care medicine. <i>Critical Care Medicine</i> , 2003, 31, S97-S104.	0.4	47
57	Role of complement component C5 in cerebral ischemia/reperfusion injury. <i>Brain Research</i> , 2006, 1100, 142-151.	1.1	46
58	Hypoxia-induced expression of complement receptor type 1 (CR1, CD35) in human vascular endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C450-C458.	2.1	45
59	Essential Role of Factor B of the Alternative Complement Pathway in Complement Activation and Opsonophagocytosis during Acute Pneumococcal Otitis Media in Mice. <i>Infection and Immunity</i> , 2011, 79, 2578-2585.	1.0	40
60	A Keratin Peptide Inhibits Mannose-Binding Lectin. <i>Journal of Immunology</i> , 2001, 166, 4148-4153.	0.4	38
61	The Role of Properdin in Zymosan- and <i>Escherichia coli</i> -Induced Complement Activation. <i>Journal of Immunology</i> , 2012, 189, 2606-2613.	0.4	38
62	CpG Oligodeoxynucleotide Protection in Polymicrobial Sepsis Is Dependent on Interleukin-17. <i>Journal of Infectious Diseases</i> , 2005, 191, 1368-1376.	1.9	36
63	Cholesterol Crystals Activate the Lectin Complement Pathway via Ficolin-2 and Mannose-Binding Lectin: Implications for the Progression of Atherosclerosis. <i>Journal of Immunology</i> , 2016, 196, 5064-5074.	0.4	35
64	Humanized cobra venom factor decreases myocardial ischemia-reperfusion injury. <i>Molecular Immunology</i> , 2009, 47, 506-510.	1.0	33
65	Molecular basis for complement component 6 (C6) deficiency in rats and mice. <i>Immunobiology</i> , 2004, 209, 559-568.	0.8	32
66	Inhibition of C5 or absence of C6 protects from sepsis mortality. <i>Immunobiology</i> , 2004, 209, 629-635.	0.8	32
67	Human mannose-binding lectin inhibitor prevents Shiga toxin-induced renal injury. <i>Kidney International</i> , 2016, 90, 774-782.	2.6	31
68	Complement Activation and Cardiac Surgery. <i>Anesthesia and Analgesia</i> , 2012, 115, 759-771.	1.1	29
69	Human Mannose-Binding Lectin Inhibitor Prevents Myocardial Injury and Arterial Thrombogenesis in a Novel Animal Model. <i>American Journal of Pathology</i> , 2015, 185, 347-355.	1.9	29
70	The Contribution of Mannose Binding Lectin to Reperfusion Injury after Ischemic Stroke. <i>Current Neurovascular Research</i> , 2011, 8, 52-63.	0.4	28
71	In Vivo and In Vitro Assessment of Porcine Neutrophil Activation Responses to Chemoattractants: Flow Cytometric Evidence for the Selective Absence of Formyl Peptide Receptors. <i>Journal of Leukocyte Biology</i> , 1990, 47, 355-365.	1.5	27
72	Distinct Different Contributions of the Alternative and Classical Complement Activation Pathway for the Innate Host Response during Sepsis. <i>Journal of Immunology</i> , 2011, 186, 3066-3075.	0.4	27

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73	PAF-acether induced cardiac dysfunction in the isolated perfused guinea pig heart. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1987, 336, 459-463.	1.4	26
74	Identification of Human Mannose Binding Lectin (MBL) Recognition Sites for Novel Inhibitory Antibodies. <i>Hybridoma</i> , 2002, 21, 25-36.	0.6	26
75	Enhanced Susceptibility to Acute Pneumococcal Otitis Media in Mice Deficient in Complement C1qa, Factor B, and Factor B/C2. <i>Infection and Immunity</i> , 2010, 78, 976-983.	1.0	26
76	Roles of Adipocytes and Fibroblasts in Activation of the Alternative Pathway of Complement in Inflammatory Arthritis in Mice. <i>Journal of Immunology</i> , 2013, 190, 6423-6433.	0.4	25
77	Genetic ablation or chemical inhibition of phosphatidylcholine transfer protein attenuates diet-induced hepatic glucose production. <i>Hepatology</i> , 2011, 54, 664-674.	3.6	24
78	Protective effects of a specific platelet activating factor (PAF) antagonist, WEB 2086, in traumatic shock. <i>Thrombosis Research</i> , 1989, 53, 327-338.	0.8	23
79	Attenuation of Endothelium-Dependent Dilation of Pig Pulmonary Arterioles After Cardiopulmonary Bypass Is Prevented by Monoclonal Antibody to Complement C5a. <i>Anesthesia and Analgesia</i> , 1999, 89, 42-48.	1.1	23
80	Complement 3 is involved with ventilator-induced lung injury. <i>International Immunopharmacology</i> , 2011, 11, 2138-2143.	1.7	23
81	Mechanisms of mannose-binding lectin-associated serine proteases-1/3 activation of the alternative pathway of complement. <i>Molecular Immunology</i> , 2011, 49, 281-289.	1.0	23
82	Absence of Mannose-Binding Lectin Prevents Hyperglycemic Cardiovascular Complications. <i>American Journal of Pathology</i> , 2012, 180, 104-112.	1.9	23
83	Complementary Roles of the Classical and Lectin Complement Pathways in the Defense against <i>Aspergillus fumigatus</i> . <i>Frontiers in Immunology</i> , 2016, 7, 473.	2.2	23
84	Protective Effects of a Platelet Activating Factor (PAF) Antagonist and Its Combined Treatment with Prostaglandin (PG) E1 in Traumatic Shock. <i>Journal of Cardiovascular Pharmacology</i> , 1988, 12, 505-511.	0.8	20
85	The mannose-binding lectin pathway is a significant contributor to reperfusion injury in the type 2 diabetic heart. <i>Diabetes and Vascular Disease Research</i> , 2009, 6, 172-180.	0.9	19
86	Deletion of the Complement C5a Receptor Alleviates the Severity of Acute Pneumococcal Otitis Media following Influenza A Virus Infection in Mice. <i>PLoS ONE</i> , 2014, 9, e95160.	1.1	18
87	Complement depletion with humanised cobra venom factor: Efficacy in preclinical models of vascular diseases. <i>Thrombosis and Haemostasis</i> , 2015, 113, 548-552.	1.8	18
88	C5-blocking antibody reduces fluid requirements and improves responsiveness to fluid infusion in hemorrhagic shock managed with hypotensive resuscitation. <i>Journal of Applied Physiology</i> , 2007, 102, 673-680.	1.2	17
89	Coronary Vascular Actions of Synthetic Atrial Natriuretic Factor in Isolated Vascular Preparations. <i>Journal of Cardiovascular Pharmacology</i> , 1987, 10, 320-326.	0.8	14
90	Role of the alternative and classical complement activation pathway in complement mediated killing against <i>Streptococcus pneumoniae</i> colony opacity variants during acute pneumococcal otitis media in mice. <i>Microbes and Infection</i> , 2012, 14, 1308-1318.	1.0	14

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91	Derivatives of human complement component C3 for therapeutic complement depletion: a novel class of therapeutic agents. <i>Advances in Experimental Medicine and Biology</i> , 2008, 632, 293-307.	0.8	14
92	Ulex europaeus agglutinin II (UEA-II) is a novel, potent inhibitor of complement activation. <i>Protein Science</i> , 2001, 10, 277-284.	3.1	13
93	Anoxia and reoxygenation of human endothelial cells decreases ceramide glucosyltransferase expression and activates caspases. <i>FASEB Journal</i> , 2003, 17, 723-724.	0.2	13
94	Fluorochrome-linked immunoassay for functional analysis of the mannose binding lectin complement pathway to the level of C3 cleavage. <i>Journal of Immunological Methods</i> , 2007, 323, 147-159.	0.6	12
95	Isolation, Characterization, and Cloning of Porcine Complement Component C7. <i>Journal of Immunology</i> , 2000, 165, 1059-1065.	0.4	10
96	Efficacy of a combination thromboxane receptor antagonist and lipoxygenase inhibitor in traumatic shock. <i>Resuscitation</i> , 1988, 16, 211-220.	1.3	8
97	Protective action of prostaglandin E1 (PGE1) against constrictor mediators in isolated rat heart and lung. <i>Biochemical Pharmacology</i> , 1988, 37, 2659-2665.	2.0	8
98	Effect of sialyl Lewis x oligosaccharide on myocardial and cerebral injury in the pig. <i>Annals of Thoracic Surgery</i> , 1999, 67, 112-119.	0.7	8
99	Antagonism of thromboxane actions in the isolated perfused rat heart. <i>Life Sciences</i> , 1986, 38, 2037-2041.	2.0	7
100	Mechanisms of action of PGE1 in hemorrhagic shock in rats. <i>Annals of Emergency Medicine</i> , 1988, 17, 457-462.	0.3	6
101	Inosine Monophosphate and Aspirin-Triggered 15-Epi-Lipoxin A4 Act in Concert to Regulate Neutrophil Trafficking: Additive Actions of Two New Endogenous Anti-Inflammatory Mediators. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2001, 10, 75-79.	1.8	6
102	Heterogeneity of Vascular Smooth Muscle Responsiveness to Lipid Vasoactive Mediators. <i>Journal of Vascular Research</i> , 1987, 24, 24-30.	0.6	5
103	Protective effects of CG-4203, a novel stable prostacyclin analog, in traumatic shock. <i>Prostaglandins</i> , 1988, 35, 41-50.	1.2	5
104	Mechanisms of the Hepatoprotective Effect of Nitrendipine in the Isolated Perfused Cat Liver. <i>Journal of Cardiovascular Pharmacology</i> , 1987, 9, S66-S70.	0.8	4
105	Mannose-binding lectin (MBL) and the lectin complement pathway play a role in cutaneous ischemia and reperfusion injury. <i>Innovative Surgical Sciences</i> , 2020, 5, 43-51.	0.4	2
106	Complement Deposition is Increased in the Type 2 Diabetic Heart Following Ischemia/Reperfusion. <i>FASEB Journal</i> , 2007, 21, A1225.	0.2	0
107	C1 inhibitor regulates the activation of the mannose binding lectin-dependent lectin pathway following ischemia-reperfusion. <i>FASEB Journal</i> , 2007, 21, A1145.	0.2	0
108	Increased mRNA Expression of Endothelial Adhesion Molecules and Proinflammatory Cytokines in the Type 2 Diabetic Heart Following Ischemia/Reperfusion Injury. <i>FASEB Journal</i> , 2007, 21, A1145.	0.2	0

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109	Mannose binding lectin binds IgM to activate the lectin complement pathway in vitro and in vivo. FASEB Journal, 2007, 21, A1144.	0.2	0
110	Complement Gene Expression is Upregulated in the Type 2 Diabetic Heart Following Myocardial Ischemia and Reperfusion. FASEB Journal, 2007, 21, A1224.	0.2	0
111	Increased susceptibility to myocardial ischemia and reperfusion injury in type I diabetes mellitus is mannose-binding lectin dependent. FASEB Journal, 2007, 21, A11.	0.2	0
112	Role of the mouse complement components C5 and C3a in a model of myocardial ischemia and reperfusion injury. FASEB Journal, 2007, 21, A12.	0.2	0
113	Inhibition of Mannose-binding Lectin Decreases Infarction Size After Ischemic Stroke and Reperfusion. FASEB Journal, 2008, 22, 733.2.	0.2	0
114	Treatment with the complement inhibitor, FUT-175 decreases PMN activation and myocardial infarct size in Sprague-Dawley rats. FASEB Journal, 2008, 22, 730.29.	0.2	0
115	Neutrophil expression of the C5a receptor is increased in type 2 diabetes. FASEB Journal, 2008, 22, 48.11.	0.2	0
116	The MBL-complex is necessary for FeCl <sub>3</sub> -mediated thrombosis. FASEB Journal, 2010, 24, 1028.5.	0.2	0
117	MBL-associated serine protease 1 (MASP1) is necessary for thrombin substrate cleavage in vitro. FASEB Journal, 2010, 24, 951.15.	0.2	0
118	Mannose-binding lectin concentrations correlate with enhanced whole blood aggregation and thrombin-like activity in humans. FASEB Journal, 2012, 26, .	0.2	0
119	Human Mannose-binding Lectin (MBL2) Inhibitor Prevents Renal Injury in a Novel Animal Model of Endemic Hemolytic Uremic Syndrome. FASEB Journal, 2015, 29, 664.1.	0.2	0