

Jeffrey A Gelfand

List of Publications by Citations

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

89
papers

6,492
citations

38
h-index

80
g-index

102
ext. papers

7,107
ext. citations

9.2
avg, IF

4.86
L-index

#	Paper	IF	Citations
89	Interleukin 1 induces a shock-like state in rabbits. Synergism with tumor necrosis factor and the effect of cyclooxygenase inhibition. <i>Journal of Clinical Investigation</i> , 1988 , 81, 1162-72	15.9	755
88	Circulating interleukin-1 and tumor necrosis factor in septic shock and experimental endotoxin fever. <i>Journal of Infectious Diseases</i> , 1990 , 161, 79-84	7	661
87	Treatment of hereditary angioedema with danazol. Reversal of clinical and biochemical abnormalities. <i>New England Journal of Medicine</i> , 1976 , 295, 1444-8	59.2	517
86	Hereditary angioedema: the clinical syndrome and its management. <i>Annals of Internal Medicine</i> , 1976 , 84, 580-93	8	455
85	A specific receptor antagonist for interleukin 1 prevents Escherichia coli-induced shock in rabbits. <i>FASEB Journal</i> , 1991 , 5, 338-43	0.9	380
84	Persistent and relapsing babesiosis in immunocompromised patients. <i>Clinical Infectious Diseases</i> , 2008 , 46, 370-6	11.6	227
83	Staphylococcus epidermidis induces complement activation, tumor necrosis factor and interleukin-1, a shock-like state and tissue injury in rabbits without endotoxemia. Comparison to Escherichia coli. <i>Journal of Clinical Investigation</i> , 1991 , 87, 1925-35	15.9	198
82	C5a stimulates secretion of tumor necrosis factor from human mononuclear cells in vitro. Comparison with secretion of interleukin 1 beta and interleukin 1 alpha. <i>Journal of Experimental Medicine</i> , 1988 , 168, 443-8	16.6	197
81	Replacement therapy in hereditary angioedema: successful treatment of acute episodes of angioedema with partly purified C1 inhibitor. <i>New England Journal of Medicine</i> , 1980 , 302, 542-6	59.2	187
80	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. <i>Nature Biotechnology</i> , 2020 , 38, 1174-1183	44.5	166
79	Acquired C1 esterase inhibitor deficiency and angioedema: a review. <i>Medicine (United States)</i> , 1979 , 58, 321-8	1.8	138
78	Circulating interleukin-1 beta and tumor necrosis factor-alpha concentrations after burn injury in humans. <i>Critical Care Medicine</i> , 1992 , 20, 1414-9	1.4	133
77	Concentrations of immunoreactive human tumor necrosis factor alpha produced by human mononuclear cells in vitro. <i>Journal of Leukocyte Biology</i> , 1988 , 43, 216-23	6.5	119
76	Hereditary angioedema: the use of fresh frozen plasma for prophylaxis in patients undergoing oral surgery. <i>Journal of Allergy and Clinical Immunology</i> , 1975 , 55, 386-93	11.5	101
75	Systemic capillary leak syndrome and monoclonal IgG gammopathy; studies in a sixth patient and a review of the literature. <i>Medicine (United States)</i> , 1977 , 56, 225-39	1.8	99
74	Rethinking the role of hydroxychloroquine in the treatment of COVID-19. <i>FASEB Journal</i> , 2020 , 34, 6027-6037	6.9	82
73	Danazol-induced augmentation of serum alpha 1-antitrypsin levels in individuals with marked deficiency of this antiprotease. <i>Journal of Clinical Investigation</i> , 1980 , 66, 82-87	15.9	77

72	Complement activation by synthetic vascular prostheses. <i>Journal of Vascular Surgery</i> , 1984 , 1, 829-838	3.5	76
71	Dual blockade of CXCL12-CXCR4 and PD-1-PD-L1 pathways prolongs survival of ovarian tumor-bearing mice by prevention of immunosuppression in the tumor microenvironment. <i>FASEB Journal</i> , 2019 , 33, 6596-6608	0.9	75
70	Species-specific bacteria identification using differential mobility spectrometry and bioinformatics pattern recognition. <i>Analytical Chemistry</i> , 2005 , 77, 5930-7	7.8	75
69	Role of complement in host defense against experimental disseminated candidiasis. <i>Journal of Infectious Diseases</i> , 1978 , 138, 9-16	7	73
68	Clinical sensitivity and interpretation of PCR and serological COVID-19 diagnostics for patients presenting to the hospital. <i>FASEB Journal</i> , 2020 , 34, 13877-13884	0.9	71
67	Letter: Pulmonary aspergillosis, inhalation of contaminated marijuana smoke, chronic granulomatous disease. <i>Annals of Internal Medicine</i> , 1975 , 82, 682-3	8	65
66	A study of optimal reaction conditions for an assay of the human alternative complement pathway. <i>American Journal of Clinical Pathology</i> , 1983 , 79, 65-72	1.9	60
65	Complement activation by synthetic vascular prostheses. <i>Journal of Vascular Surgery</i> , 1984 , 1, 829-838	3.5	60
64	Intestinal production of interleukin-1 alpha during endotoxemia in the mouse. <i>Journal of Surgical Research</i> , 1993 , 54, 584-91	2.5	59
63	Endotoxemia associated with the Jarisch-Herxheimer reaction. <i>New England Journal of Medicine</i> , 1976 , 295, 211-3	59.2	59
62	Response of variant hereditary angioedema phenotypes to danazol therapy. Genetic implications. <i>Journal of Clinical Investigation</i> , 1979 , 64, 280-6	15.9	59
61	Preferential activation and depletion of the alternative complement pathway by burn injury. <i>Annals of Surgery</i> , 1983 , 198, 58-62	7.8	56
60	Both C3a and C3a(desArg) regulate interleukin-6 synthesis in human peripheral blood mononuclear cells. <i>Journal of Infectious Diseases</i> , 1998 , 177, 1622-8	7	54
59	A novel laser vaccine adjuvant increases the motility of antigen presenting cells. <i>PLoS ONE</i> , 2010 , 5, e13776	37.6	52
58	Age-associated decline in resistance to <i>Babesia microti</i> is genetically determined. <i>Journal of Infectious Diseases</i> , 2004 , 189, 1721-8	7	51
57	Alternative complement pathway activation increases mortality in a model of burn injury in mice. <i>Journal of Clinical Investigation</i> , 1982 , 70, 1170-6	15.9	50
56	Risks Associated With Lentiviral Vector Exposures and Prevention Strategies. <i>Journal of Occupational and Environmental Medicine</i> , 2016 , 58, 1159-1166	2	49
55	Antimicrobial photodynamic therapy mediated by methylene blue and potassium iodide to treat urinary tract infection in a female rat model. <i>Scientific Reports</i> , 2018 , 8, 7257	4.9	46

54	Immunoglobulin and complement receptors on human eosinophils and their role in cellular adherence to schistosomules. <i>American Journal of Tropical Medicine and Hygiene</i> , 1977 , 26, 134-41	3.2	41
53	Plasmapheresis for fulminant meningococemia. <i>Pediatric Infectious Disease Journal</i> , 1989 , 8, 399-400	3.4	40
52	High Seroprevalence of Anti-SARS-CoV-2 Antibodies in Chelsea, Massachusetts. <i>Journal of Infectious Diseases</i> , 2020 , 222, 1955-1959	7	39
51	Interleukin-1 and the response to injury. <i>Immunologic Research</i> , 1989 , 8, 118-29	4.3	37
50	Methotrexate treatment of idiopathic granulomatous hepatitis. <i>Annals of Internal Medicine</i> , 1995 , 122, 592-5	8	35
49	Coagulation of whole blood stimulates interleukin-1 beta gene expression. <i>Journal of Infectious Diseases</i> , 1995 , 172, 308-11	7	35
48	Case records of the Massachusetts General Hospital. Case 17-2007. A 25-year-old woman with relapsing fevers and recent onset of dyspnea. <i>New England Journal of Medicine</i> , 2007 , 356, 2313-9	59.2	34
47	Interaction with autologous platelets multiplies interleukin-1 and tumor necrosis factor production in mononuclear cells. <i>Journal of Infectious Diseases</i> , 1997 , 175, 123-9	7	32
46	Diminished in vitro production of interleukin-1 and tumor necrosis factor-alpha during acute visceral leishmaniasis and recovery after therapy. <i>Journal of Infectious Diseases</i> , 1992 , 165, 1094-102	7	31
45	Impact of C-reactive protein (CRP) on surfactant function. <i>Journal of Trauma</i> , 1989 , 29, 1690-7		31
44	Relative production of IL-1 beta and TNF alpha by mononuclear cells after exposure to dental implants. <i>Journal of Periodontology</i> , 1992 , 63, 426-30	4.6	30
43	Host factors in the formation of abscesses. <i>Journal of Infectious Diseases</i> , 1980 , 142, 40-9	7	30
42	Laser vaccine adjuvants. History, progress, and potential. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 1892-907	4.4	29
41	Near-infrared laser adjuvant for influenza vaccine. <i>PLoS ONE</i> , 2013 , 8, e82899	3.7	29
40	A novel mycobacterial Hsp70-containing fusion protein targeting mesothelin augments antitumor immunity and prolongs survival in murine models of ovarian cancer and mesothelioma. <i>Journal of Hematology and Oncology</i> , 2014 , 7, 15	22.4	28
39	Acute respiratory failure in patients treated for babesiosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994 , 149, 1689-91	10.2	28
38	AMD3100 Augments the Efficacy of Mesothelin-Targeted, Immune-Activating VIC-008 in Mesothelioma by Modulating Intratumoral Immunosuppression. <i>Cancer Immunology Research</i> , 2018 , 6, 539-551	12.5	24
37	VaxCelerate II: rapid development of a self-assembling vaccine for Lassa fever. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 3022-38	4.4	19

36	Babesia microti primarily invades mature erythrocytes in mice. <i>Infection and Immunity</i> , 2006 , 74, 3204-123,7		19
35	Cytokines, acute phase proteins, and tissue injury. C-reactive protein opsonizes dead cells for debridement and stimulates cytokine production. <i>Annals of the New York Academy of Sciences</i> , 1990 , 587, 351-61	6.5	19
34	Near-Infrared 1064 nm Laser Modulates Migratory Dendritic Cells To Augment the Immune Response to Intradermal Influenza Vaccine. <i>Journal of Immunology</i> , 2017 , 199, 1319-1332	5.3	18
33	A novel automated screening and interpretation process for cervical cytology using the internet transmission of low-resolution images: a feasibility study. <i>Cancer</i> , 2005 , 105, 199-206	6.4	18
32	Tetracyclines function as dual-action light-activated antibiotics. <i>PLoS ONE</i> , 2018 , 13, e0196485	3.7	18
31	Photoinactivation of Neisseria gonorrhoeae: A Paradigm-Changing Approach for Combating Antibiotic-Resistant Gonococcal Infection. <i>Journal of Infectious Diseases</i> , 2019 , 220, 873-881	7	16
30	Interleukin-1 upregulates anaphylatoxin receptors on mononuclear cells. <i>Surgery</i> , 2004 , 135, 544-54	3.6	16
29	Experimental Bacteroides fragilis Bacteremia in a Primate Model. <i>Journal of Trauma</i> , 1985 , 25, 1156-1162		16
28	Antimicrobial Photodynamic Inactivation Mediated by Tetracyclines in Vitro and in Vivo: Photochemical Mechanisms and Potentiation by Potassium Iodide. <i>Scientific Reports</i> , 2018 , 8, 17130	4.9	16
27	Infections in burn patients: a paradigm for cutaneous infection in the patient at risk. <i>American Journal of Medicine</i> , 1984 , 76, 158-65	2.4	15
26	Semiconductor diode laser device adjuvanting intradermal vaccine. <i>Vaccine</i> , 2017 , 35, 2404-2412	4.1	13
25	Health effects of salicylates in foods and drugs. <i>Nutrition Reviews</i> , 1996 , 54, 225-40	6.4	12
24	Babesiosis: An Update on Epidemiology and Treatment. <i>Current Infectious Disease Reports</i> , 2003 , 5, 53-58,9		12
23	A sensitive microassay for the murine alternative complement pathway. <i>Journal of Immunological Methods</i> , 1979 , 31, 283-90	2.5	12
22	Brief Exposure of Skin to Near-Infrared Laser Modulates Mast Cell Function and Augments the Immune Response. <i>Journal of Immunology</i> , 2018 , 201, 3587-3603	5.3	11
21	GM-CSF Enhances Macrophage Glycolytic Activity In Vitro and Improves Detection of Inflammation In Vivo. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1428-35	8.9	10
20	Interstitial cystitis and bladder mastocytosis in a woman with chronic urticaria. <i>Scandinavian Journal of Urology and Nephrology</i> , 1997 , 31, 497-500		7
19	Interleukin-1 pretreatment protects against endotoxin-induced hypotension in rabbits: association with decreased tumor necrosis factor levels. <i>Journal of Infectious Diseases</i> , 1993 , 167, 244-7	7	7

18	Platelet activating factor-antagonist improves survival in experimental staphylococcal septicemia. <i>Journal of Pediatric Surgery</i> , 1994 , 29, 1055-7; discussion 1057-8	2.6	7
17	A pilot clinical trial of a near-infrared laser vaccine adjuvant: safety, tolerability, and cutaneous immune cell trafficking. <i>FASEB Journal</i> , 2019 , 33, 3074-3081	0.9	7
16	Could mycobacterial Hsp70-containing fusion protein lead the way to an affordable therapeutic cancer vaccine?. <i>Expert Review of Vaccines</i> , 2015 , 14, 435-46	5.2	6
15	Alkylation of cellulosic membranes results in reduced complement activation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1996 , 7, 707-14	3.5	6
14	Neurogenic Bladder: Recurrent Urinary Tract Infections Beyond Antibiotics. <i>Current Bladder Dysfunction Reports</i> , 2018 , 13, 191-200	0.4	5
13	Endotoxin suppresses surfactant synthesis in cultured rat lung cells. <i>Journal of Trauma</i> , 1989 , 29, 180-8		5
12	Photoinactivation of <i>Moraxella catarrhalis</i> Using 405-nm Blue Light: Implications for the Treatment of Otitis Media. <i>Photochemistry and Photobiology</i> , 2020 , 96, 611-617	3.6	3
11	Babesia Species 2015 , 3165-3172.e2		3
10	Accelerated vaccine development against emerging infectious diseases. <i>Human Vaccines and Immunotherapeutics</i> , 2012 , 8, 1010-2	4.4	2
9	Too little oxygen, too little interleukin-2. <i>Critical Care Medicine</i> , 1994 , 22, 187	1.4	2
8	Renal Failure in Paroxysmal Hemoglobinuria. <i>JAMA - Journal of the American Medical Association</i> , 1974 , 227, 440	27.4	2
7	Activation of the alternative complement pathway by blood culture isolates of <i>Bacteroides fragilis</i> . <i>Infection and Immunity</i> , 1981 , 34, 303-5	3.7	2
6	Effects of malignancy and interleukin-2 infusion on gut macromolecular permeability. <i>Critical Care Medicine</i> , 1995 , 23, 1801-6	1.4	2
5	Case Report: Overwhelming Parasitemia Successfully Treated Promptly With RBC Apheresis and Triple Therapy With Clindamycin, Azithromycin, and Atovaquone. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa448	1	2
4	MP23-18 SYNERGISTIC PHOTODYNAMIC THERAPY FOR CATHETER-ASSOCIATED URINARY TRACT INFECTION IN RATS. <i>Journal of Urology</i> , 2017 , 197,	2.5	1
3	Phase Ib, international, dose-escalation study to evaluate the safety, pharmacokinetics (PK) and efficacy of ST-617 for the attenuation of oral mucositis (OM) in patients receiving chemoradiation (CRT) for head and neck (H&N) cancer.. <i>Journal of Clinical Oncology</i> , 2021 , 39, 6075-6075	2.2	1
2	Increased dense erythrocytes in flame-burned patients. <i>Clinical Hemorheology and Microcirculation</i> , 2013 , 53, 349-56	2.5	
1	Babesiosis99-112		

