

Rafael Bayarri-Olmos

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,208
citations

567281

15
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

2062
citing authors

#	ARTICLE	IF	CITATIONS
1	A journey through the lectin pathway of complementâ€”<sc>MBL</sc> and beyond. Immunological Reviews, 2016, 274, 74-97.	6.0	303
2	Modeling of waning immunity after SARS-CoV-2 vaccination and influencing factors. Nature Communications, 2022, 13, 1614.	12.8	117
3	Proteomics-Based Comparative Mapping of the Secretomes of Human Brown and White Adipocytes Reveals EPDR1 as a Novel Batokine. Cell Metabolism, 2019, 30, 963-975.e7.	16.2	109
4	SARS-CoV-2 Antibody Responses Are Correlated to Disease Severity in COVID-19 Convalescent Individuals. Journal of Immunology, 2021, 206, 109-117.	0.8	96
5	Recognition and inhibition of SARS-CoV-2 by humoral innate immunity pattern recognition molecules. Nature Immunology, 2022, 23, 275-286.	14.5	95
6	The SARS-CoV-2 Y453F mink variant displays a pronounced increase in ACE-2 affinity but does not challenge antibody neutralization. Journal of Biological Chemistry, 2021, 296, 100536.	3.4	91
7	Soluble Collectin-12 (CL-12) Is a Pattern Recognition Molecule Initiating Complement Activation via the Alternative Pathway. Journal of Immunology, 2015, 195, 3365-3373.	0.8	63
8	SARS-CoV-2 Antibodies Mediate Complement and Cellular Driven Inflammation. Frontiers in Immunology, 2021, 12, 767981.	4.8	36
9	Genetic Variation of COLEC10 and COLEC11 and Association with Serum Levels of Collectin Liver 1 (CL-L1) and Collectin Kidney 1 (CL-K1). PLoS ONE, 2015, 10, e0114883.	2.5	31
10	SARS-CoV-2 Neutralizing Antibody Responses towards Full-Length Spike Protein and the Receptor-Binding Domain. Journal of Immunology, 2021, 207, 878-887.	0.8	30
11	Evasion of Classical Complement Pathway Activation on Plasmodium falciparum-Infected Erythrocytes Oponized by PfEMP1-Specific IgG. Frontiers in Immunology, 2018, 9, 3088.	4.8	25
12	The alpha/B.1.1.7 SARS-CoV-2 variant exhibits significantly higher affinity for ACE-2 and requires lower inoculation doses to cause disease in K18-hACE2 mice. ELife, 2021, 10, .	6.0	24
13	Functional Effects of Receptor-Binding Domain Mutations of SARS-CoV-2 B.1.351 and P.1 Variants. Frontiers in Immunology, 2021, 12, 757197.	4.8	20
14	IgG Responses to the Plasmodium falciparum Antigen VAR2CSA in Colombia Are Restricted to Pregnancy and Are Not Induced by Exposure to Plasmodium vivax. Infection and Immunity, 2018, 86, .	2.2	19
15	Common and rare genetic variants of complement components in human disease. Molecular Immunology, 2018, 102, 42-57.	2.2	18
16	Antibodyâ€dependent neutralizing capacity of the SARSâ€CoVâ€2 vaccine BNT162b2 with and without previous COVIDâ€19 priming. Journal of Internal Medicine, 2021, 290, 1272-1274.	6.0	17
17	Development of a Quantitative Assay for the Characterization of Human Collectin-11 (CL-11, CL-K1). Frontiers in Immunology, 2018, 9, 2238.	4.8	15
18	Complement related pattern recognition molecules as markers of short-term mortality in intensive care patients. Journal of Infection, 2020, 80, 378-387.	3.3	14

#	ARTICLE	IF	CITATIONS
19	C1q/TNF-Related Protein 6 Is a Pattern Recognition Molecule That Recruits Collectin-11 from the Complement System to Ligands. <i>Journal of Immunology</i> , 2020, 204, 1598-1606.	0.8	12
20	Chimeric Proteins Containing MAP-1 and Functional Domains of C4b-Binding Protein Reveal Strong Complement Inhibitory Capacities. <i>Frontiers in Immunology</i> , 2018, 9, 1945.	4.8	11
21	Expression of complement C3, C5, C3aR and C5aR1 genes in resting and activated CD4+ T cells. <i>Immunobiology</i> , 2019, 224, 307-315.	1.9	9
22	Protective Role of Collectin 11 in a Mouse Model of Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2021, 73, 1430-1440.	5.6	8
23	Antibody responses and risk factors associated with impaired immunological outcomes following two doses of BNT162b2 COVID-19 vaccination in patients with chronic pulmonary diseases. <i>BMJ Open Respiratory Research</i> , 2022, 9, e001268.	3.0	7
24	Circulating Ficolin-2 and Ficolin-3 Form Heterocomplexes. <i>Journal of Immunology</i> , 2020, 204, 1919-1928.	0.8	6
25	Lectin Pathway Enzyme MASP-2 and Downstream Complement Activation in COVID-19. <i>Journal of Innate Immunity</i> , 2023, 15, 122-135.	3.8	6
26	Combining MAP1:CD35 or MAP1:CD55 fusion proteins with pattern recognition molecules as novel targeted modulators of the complement cascade. <i>FASEB Journal</i> , 2019, 33, 12723-12734.	0.5	4
27	Reply to: Hultström et al., Genetic determinants of mannose-binding lectin activity predispose to thromboembolic complications in critical COVID-19. Mannose-binding lectin genetics in COVID-19. <i>Nature Immunology</i> , 2022, 23, 865-867.	14.5	4
28	Shiga Toxin 2a Binds to Complement Components C3b and C5 and Upregulates Their Gene Expression in Human Cell Lines. <i>Toxins</i> , 2021, 13, 8.	3.4	2
29	Reply to Lassaunière: On the functional characterization of the Y453F RBD variant found in cluster 5 SARS-CoV-2. <i>Journal of Biological Chemistry</i> , 2021, 297, 101241.	3.4	1
30	Expression and characterization of MAP-1 containing fusion proteins regulating the complement cascade. <i>Molecular Immunology</i> , 2018, 102, 198.	2.2	0
31	Chimeric proteins containing MAP-1 and functional domains of C4b-binding protein reveal strong complement inhibitory capacities. <i>Molecular Immunology</i> , 2018, 102, 134.	2.2	0
32	C1q/TNF-related protein 6 is a new pattern recognition molecule that modulates complement activity. <i>Molecular Immunology</i> , 2018, 102, 175-176.	2.2	0