Ana Olivera

List of Publications by Year
in descending order

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51	3,505	186265 28	206112 48
papers	citations	h-index	g-index

51	51	51	4217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeting KIT by frameshifting mRNA transcripts as a therapeutic strategy for aggressive mast cell neoplasms. Molecular Therapy, 2022, 30, 295-310.	8.2	4
2	A Critical Function for the Transcription Factors GLI1 and GLI2 in the Proliferation and Survival of Human Mast Cells. Frontiers in Immunology, 2022, 13, 841045.	4.8	3
3	Emerging mechanisms contributing to mast cell-mediated pathophysiology with therapeutic implications. , 2021, 220, 107718.		32
4	MYO1F Regulates IgE and MRGPRX2-Dependent Mast Cell Exocytosis. Journal of Immunology, 2021, 206, 2277-2289.	0.8	10
5	Mastocytosis-derived extracellular vesicles deliver miR-23a and miR-30a into pre-osteoblasts and prevent osteoblastogenesis and bone formation. Nature Communications, 2021, 12, 2527.	12.8	38
6	Editorial: Innate Cells in the Pathogenesis of Food Allergy. Frontiers in Immunology, 2021, 12, 709991.	4.8	3
7	Demonstration and implications of IL-3 upregulation of CD25 expression on human mast cells. Journal of Allergy and Clinical Immunology, 2021, , .	2.9	1
8	Oncogenic D816V-KIT signaling in mast cells causes persistent IL-6 production. Haematologica, 2020, 105, 124-135.	3.5	26
9	Critical Signaling Events in the Mechanoactivation of Human Mast Cells through p.C492Y-ADGRE2. Journal of Investigative Dermatology, 2020, 140, 2210-2220.e5.	0.7	23
10	Overview of Mast Cells in Human Biology. , 2020, , 1-22.		0
11	Paradigm Shifts in Mast Cell and Basophil Biology and Function: An Emerging View of Immune Regulation in Health and Disease. Methods in Molecular Biology, 2020, 2163, 3-31.	0.9	3
12	Impact of naturally forming human Î±/Î²-tryptase heterotetramers in the pathogenesis of hereditary Î±-tryptasemia. Journal of Experimental Medicine, 2019, 216, 2348-2361.	8.5	85
13	CD4 T cell sphingosine 1-phosphate receptor (S1PR)1 and S1PR4 and endothelial S1PR2 regulate afferent lymphatic migration. Science Immunology, 2019, 4, .	11.9	70
14	Aldh2 Attenuates Stem Cell Factor/Kit-Dependent Signaling and Activation in Mast Cells. International Journal of Molecular Sciences, 2019, 20, 6216.	4.1	3
15	Reply. Journal of Allergy and Clinical Immunology, 2019, 143, 451-452.	2.9	1
16	Mast cells signal their importance in health and disease. Journal of Allergy and Clinical Immunology, 2018, 142, 381-393.	2.9	169
17	Interaction of DJ-1 with Lyn is essential for IgE-mediated stimulation of human mast cells. Journal of Allergy and Clinical Immunology, 2018, 142, 195-206.e8.	2.9	7
18	Mastocytosis-derived extracellular vesicles exhibit a mast cell signature, transfer KIT to stellate cells, and promote their activation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10692-E10701.	7.1	34

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19	S1P4 Regulates Passive Systemic Anaphylaxis in Mice but Is Dispensable for Canonical IgE-Mediated Responses in Mast Cells. International Journal of Molecular Sciences, 2018, 19, 1279.	4.1	12
20	Targeting Sphingosine Kinase Isoforms Effectively Reduces Growth and Survival of Neoplastic Mast Cells With D816V-KIT. Frontiers in Immunology, 2018, 9, 631.	4.8	8
21	An optimized protocol for the generation and functional analysis of human mast cells from CD34 + enriched cell populations. Journal of Immunological Methods, 2017, 448, 105-111.	1.4	28
22	Regulation of Reactive Oxygen Species and the Antioxidant Protein DJ-1 in Mastocytosis. PLoS ONE, 2016, 11, e0162831.	2.5	9
23	IL-6 promotes an increase in human mast cell numbers and reactivity through suppression of suppressor of cytokine signaling 3. Journal of Allergy and Clinical Immunology, 2016, 137, 1863-1871.e6.	2.9	86
24	Vibratory Urticaria Associated with a Missense Variant inADGRE2. New England Journal of Medicine, 2016, 374, 656-663.	27.0	157
25	Diminution of signal transducer and activator of transcription 3 signaling inhibits vascular permeability and anaphylaxis. Journal of Allergy and Clinical Immunology, 2016, 138, 187-199.	2.9	56
26	Distinct transcriptome profiles differentiate nonsteroidal anti-inflammatory drugâ€“dependent from nonsteroidal anti-inflammatory drugâ€“independent food-induced anaphylaxis. Journal of Allergy and Clinical Immunology, 2016, 137, 137-146.	2.9	31
27	Sphingosine-1-phosphate and other lipid mediators generated by mast cells as critical players in allergy and mast cell function. European Journal of Pharmacology, 2016, 778, 56-67.	3.5	43
28	Reply. Journal of Allergy and Clinical Immunology, 2015, 136, 1426.	2.9	0
29	Activated mast cells synthesize and release soluble ST2â€a decoy receptor for ILâ€33. European Journal of Immunology, 2015, 45, 3034-3044.	2.9	72
30	Estrogen increases the severity of anaphylaxis in female mice through enhanced endothelial nitric oxide synthase expression and nitric oxide production. Journal of Allergy and Clinical Immunology, 2015, 135, 729-736.e5.	2.9	92
31	Functional Deregulation of KIT. Immunology and Allergy Clinics of North America, 2014, 34, 219-237.	1.9	81
32	Paradigm Shifts in Mast Cell and Basophil Biology and Function: An Emerging View of Immune Regulation in Health and Disease. Methods in Molecular Biology, 2014, 1192, 3-31.	0.9	11
33	Interrogation of sphingosine-1-phosphate receptor 2 function in vivo reveals a prominent role in the recovery from IgE and IgG-mediated anaphylaxis with minimal effect on its onset. Immunology Letters, 2013, 150, 89-96.	2.5	25
34	Diminished allergic disease in patients with STAT3 mutations reveals a role for STAT3 signaling in mast cellÂdegranulation. Journal of Allergy and Clinical Immunology, 2013, 132, 1388-1396.e3.	2.9	102
35	Shaping the landscape: Metabolic regulation of S1P gradients. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 193-202.	2.4	79
36	Sphingosine-1-phosphate can promote mast cell hyper-reactivity through regulation of contactin-4 expression. Journal of Leukocyte Biology, 2013, 94, 1013-1024.	3.3	10

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37	Usage of Sphingosine Kinase Isoforms in Mast Cells Is Species and/or Cell Type Determined. Journal of Immunology, 2013, 190, 2058-2067.	0.8	18
38	E-prostanoid 2 receptors dampen mast cell degranulation via cAMP/PKA-mediated suppression of IgE-dependent signaling. Journal of Leukocyte Biology, 2012, 92, 1155-1165.	3.3	47
39	Cutting Edge: Persistence of Increased Mast Cell Numbers in Tissues Links Dermatitis to Enhanced Airway Disease in a Mouse Model of Atopy. Journal of Immunology, 2012, 188, 531-535.	0.8	17
40	Sphingosine-kinase 1 and 2 contribute to oral sensitization and effector phase in a mouse model of food allergy. Immunology Letters, 2012, 141, 210-219.	2.5	23
41	Sphingosine kinase 1 and sphingosine-1-phosphate receptor 2 are vital to recovery from anaphylactic shock in mice. Journal of Clinical Investigation, 2010, 120, 1429-1440.	8.2	99
42	The alliance of sphingosine-1-phosphate and its receptors in immunity. Nature Reviews Immunology, 2008, 8, 753-763.	22.7	570
43	Unraveling the complexities of sphingosine-1-phosphate function: The mast cell model. Prostaglandins and Other Lipid Mediators, 2008, 86, 1-11.	1.9	28
44	Chapter 3 New Insights on Mast Cell Activation via the High Affinity Receptor for IgE. Advances in Immunology, 2008, 98, 85-120.	2.2	182
45	The Sphingosine Kinase-Sphingosine-1-Phosphate Axis Is a Determinant of Mast Cell Function and Anaphylaxis. Immunity, 2007, 26, 287-297.	14.3	200
46	IgE-dependent Activation of Sphingosine Kinases 1 and 2 and Secretion of Sphingosine 1-Phosphate Requires Fyn Kinase and Contributes to Mast Cell Responses. Journal of Biological Chemistry, 2006, 281, 2515-2525.	3.4	133
47	Sphingolipids and the Balancing of Immune Cell Function: Lessons from the Mast Cell. Journal of Immunology, 2005, 174, 1153-1158.	0.8	115
48	Transactivation of Sphingosine-1â€“Phosphate Receptors by FcÎµRI Triggering Is Required for Normal Mast Cell Degranulation and Chemotaxis. Journal of Experimental Medicine, 2004, 199, 959-970.	8.5	312
49	Early Activation of Sphingosine Kinase in Mast Cells and Recruitment to FcÎµRI Are Mediated by Its Interaction with Lyn Kinase. Molecular and Cellular Biology, 2004, 24, 8765-8777.	2.3	68
50	Preferential Signaling and Induction of Allergy-promoting Lymphokines Upon Weak Stimulation of the High Affinity IgE Receptor on Mast Cells. Journal of Experimental Medicine, 2003, 197, 1453-1465.	8.5	137
51	Sphingosine Kinase Type 1 Induces G12/13-mediated Stress Fiber Formation, yet Promotes Growth and Survival Independent of G Protein-coupled Receptors. Journal of Biological Chemistry, 2003, 278, 46452-46460.	3.4	142