Hydar Ali

List of Publications by Year
in descending order

56 papers	3,571 citations	126907 33 h-index	168389 53 g-index
56 all docs	56 docs citations	56 times ranked	2868 citing authors

#	Article	IF	Citations
1	Roles of Mas-related G proteinâ€“coupled receptor X2 on mast cellâ€“mediated host defense, pseudoallergic drug reactions, and chronic inflammatory diseases. Journal of Allergy and Clinical Immunology, 2016, 138, 700-710.	2.9	309
2	Regulation of Human Chemokine Receptors CXCR4. Journal of Biological Chemistry, 1997, 272, 28726-28731.	3.4	260
3	Chemoattractant Receptor Cross-desensitization. Journal of Biological Chemistry, 1999, 274, 6027-6030.	3.4	236
4	Mas-related Gene X2 (MrgX2) Is a Novel G Protein-coupled Receptor for the Antimicrobial Peptide LL-37 in Human Mast Cells. Journal of Biological Chemistry, 2011, 286, 44739-44749.	3.4	195
5	Differences in phosphorylation of formylpeptide and C5a chemoattractant receptors correlate with differences in desensitization.. Journal of Biological Chemistry, 1993, 268, 24247-24254.	3.4	148
6	Upregulation of Mas-related G Protein coupled receptor X2 in asthmatic lung mast cells and its activation by the novel neuropeptide hemokinin-1. Respiratory Research, 2018, 19, 1.	3.6	146
7	Regulation of stably transfected platelet activating factor receptor in RBL-2H3 cells. Role of multiple G proteins and receptor phosphorylation.. Journal of Biological Chemistry, 1994, 269, 24557-24563.	3.4	133
8	Differences in phosphorylation of formylpeptide and C5a chemoattractant receptors correlate with differences in desensitization. Journal of Biological Chemistry, 1993, 268, 24247-54.	3.4	130
9	Î²-Defensins Activate Human Mast Cells via Mas-Related Gene X2. Journal of Immunology, 2013, 191, 345-352.	0.8	118
10	Regulation of stably transfected platelet activating factor receptor in RBL-2H3 cells. Role of multiple G proteins and receptor phosphorylation. Journal of Biological Chemistry, 1994, 269, 24557-63.	3.4	116
11	Distinct regulation of C3a-induced MCP-1/CCL2 and RANTES/CCL5 production in human mast cells by extracellular signal regulated kinase and PI3 kinase. Molecular Immunology, 2005, 42, 581-587.	2.2	108
12	Regulation of human mast cell and basophil function by anaphylatoxins C3a and C5a. Immunology Letters, 2010, 128, 36-45.	2.5	105
13	G protein coupled receptor specificity for C3a and compound 48/80-induced degranulation in human mast cells: Roles of Mas-related genes MrgX1 and MrgX2. European Journal of Pharmacology, 2011, 668, 299-304.	3.5	98
14	Regulation of Human Interleukin-8 Receptor A: Identification of a Phosphorylation Site Involved in Modulating Receptor Functions. Biochemistry, 1995, 34, 14193-14201.	2.5	95
15	PMX-53 as a Dual CD88 Antagonist and an Agonist for Mas-Related Gene 2 (MrgX2) in Human Mast Cells. Molecular Pharmacology, 2011, 79, 1005-1013.	2.3	89
16	MECHANISMS OF INFLAMMATION AND LEUKOCYTE ACTIVATION. Medical Clinics of North America, 1997, 81, 1-28.	2.5	87
17	Emerging Roles for MAS-Related G Protein-Coupled Receptor-X2 in Host Defense Peptide, Opioid, and Neuropeptide-Mediated Inflammatory Reactions. Advances in Immunology, 2017, 136, 123-162.	2.2	66
18	Multifaceted MRGPRX2: New insight into the role of mast cells in health and disease. Journal of Allergy and Clinical Immunology, 2021, 148, 293-308.	2.9	66

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19	Chemokine Production by G Protein-Coupled Receptor Activation in a Human Mast Cell Line: Roles of Extracellular Signal-Regulated Kinase and NFAT. Journal of Immunology, 2000, 165, 7215-7223.	0.8	61
20	Naturally Occurring Missense MRGPRX2 Variants Display Loss of Function Phenotype for Mast Cell Degranulation in Response to Substance P, Hemokinin-1, Human Î²-Defensin-3, and Icatibant. Journal of Immunology, 2018, 201, 343-349.	0.8	57
21	Distinct and Shared Roles of Î²-Arrestin-1 and Î²-Arrestin-2 on the Regulation of C3a Receptor Signaling in Human Mast Cells. PLoS ONE, 2011, 6, e19585.	2.5	55
22	Identification of Gain and Loss of Function Missense Variants in MRGPRX2â€™s Transmembrane and Intracellular Domains for Mast Cell Activation by Substance P. International Journal of Molecular Sciences, 2019, 20, 5247.	4.1	51
23	Airway smooth muscle cells enhance C3aâ€induced mast cell degranulation following cellâ€cell contact. FASEB Journal, 2005, 19, 1-22.	0.5	48
24	Mast Cell-Specific MRGPRX2: a Key Modulator of Neuro-Immune Interaction in Allergic Diseases. Current Allergy and Asthma Reports, 2021, 21, 3.	5.3	48
25	C3a Enhances Nerve Growth Factor-Induced NFAT Activation and Chemokine Production in a Human Mast Cell Line, HMC-1. Journal of Immunology, 2004, 172, 6961-6968.	0.8	47
26	Regulation of C3a Receptor Signaling in Human Mast Cells by G Protein Coupled Receptor Kinases. PLoS ONE, 2011, 6, e22559.	2.5	45
27	Cross-desensitization Among Receptors for Platelet Activating Factor and Peptide Chemoattractants. Journal of Biological Chemistry, 1996, 271, 28717-28724.	3.4	41
28	Aktâ€1 mediates survival of chondrocytes from endoplasmic reticulumâ€induced stress. Journal of Cellular Physiology, 2010, 222, 502-508.	4.1	41
29	Anaphylatoxin C3a receptors in asthma. Respiratory Research, 2005, 6, 19.	3.6	40
30	Modulation of host defense peptide-mediated human mast cell activation by LPS. Innate Immunity, 2016, 22, 21-30.	2.4	39
31	MRGPRX2 Is the Codeine Receptor of Human Skin Mast Cells: Desensitization through Î²-Arrestin and Lack of Correlation with the FcÌµRI Pathway. Journal of Investigative Dermatology, 2021, 141, 1286-1296.e4.	0.7	39
32	Angiogenic Host Defense Peptide AG-30/5C and Bradykinin B2 Receptor Antagonist Icatibant Are G Protein Biased Agonists for MRGPRX2 in Mast Cells. Journal of Immunology, 2019, 202, 1229-1238.	0.8	38
33	Activation of human mast cells by retrocyclin and protegrin highlight their immunomodulatory and antimicrobial properties. Oncotarget, 2015, 6, 28573-28587.	1.8	36
34	Platelet-activating Factor-induced Chemokine Gene Expression Requires NF-ÎºB Activation and Ca2+/Calcineurin Signaling Pathways. Journal of Biological Chemistry, 2004, 279, 44606-44612.	3.4	35
35	Cutting Edge: Differential Regulation of Chemoattractant Receptor-Induced Degranulation and Chemokine Production by Receptor Phosphorylation. Journal of Immunology, 2001, 167, 3559-3563.	0.8	34
36	Mas-Related G Protein Coupled Receptor-X2: A Potential New Target for Modulating Mast Cell-Mediated Allergic and Inflammatory Diseases. Journal of Immunobiology, 2016, 01, .	0.3	28

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37	Î²-Arrestin2 expressed in mast cells regulates ciprofloxacin-induced pseudoallergy and IgE-mediated anaphylaxis. Journal of Allergy and Clinical Immunology, 2019, 144, 603-606.	2.9	24
38	MRGPRX2 Activation by Rocuronium: Insights from Studies with Human Skin Mast Cells and Missense Variants. Cells, 2021, 10, 156.	4.1	24
39	Differential Regulation of Mas-Related G Protein-Coupled Receptor X2-Mediated Mast Cell Degranulation by Antimicrobial Host Defense Peptides and Porphyromonas gingivalis Lipopolysaccharide. Infection and Immunity, 2017, 85, .	2.2	21
40	Small-Molecule Host-Defense Peptide Mimetic Antibacterial and Antifungal Agents Activate Human and Mouse Mast Cells via Mas-Related GPCRs. Cells, 2019, 8, 311.	4.1	21
41	Substance P Serves as a Balanced Agonist for MRGPRX2 and a Single Tyrosine Residue Is Required for Î²-Arrestin Recruitment and Receptor Internalization. International Journal of Molecular Sciences, 2021, 22, 5318.	4.1	21
42	Distinct Roles of Receptor Phosphorylation, G Protein Usage, and Mitogen-activated Protein Kinase Activation on Platelet Activating Factor-induced Leukotriene C4 Generation and Chemokine Production. Journal of Biological Chemistry, 2002, 277, 22685-22691.	3.4	20
43	Phosphorylation of C3a Receptor at Multiple Sites Mediates Desensitization, Î²-Arrestin-2 Recruitment and Inhibition of NF-ÎºB Activity in Mast Cells. PLoS ONE, 2012, 7, e46369.	2.5	20
44	Roles of a Mast Cellâ€“Specific Receptor MRGPRX2 in Host Defense and Inflammation. Journal of Dental Research, 2020, 99, 882-890.	5.2	18
45	Regulation of FcÏµRI Signaling in Mast Cells by G Protein-coupled Receptor Kinase 2 and Its RH Domain. Journal of Biological Chemistry, 2014, 289, 20917-20927.	3.4	16
46	Expression of MRGPRX2 in skin mast cells of patients with maculopapular cutaneous mastocytosis. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 3841-3843.e1.	3.8	16
47	Roles for NHERF1 and NHERF2 on the Regulation of C3a Receptor Signaling in Human Mast Cells. PLoS ONE, 2012, 7, e51355.	2.5	13
48	Authentic and Ectopically Expressed MRGPRX2 Elicit Similar Mechanisms to Stimulate Degranulation of Mast Cells. Cells, 2021, 10, 376.	4.1	12
49	Mas-related G protein coupled receptor-X2: A potential new target for modulating mast cell-mediated allergic and inflammatory diseases. , 2016, 1, .		12
50	Murepavadin, a Small Molecule Host Defense Peptide Mimetic, Activates Mast Cells via MRGPRX2 and MrgprB2. Frontiers in Immunology, 2021, 12, 689410.	4.8	10
51	Revisiting the role of MRGPRX2 on hypersensitivity reactions to neuromuscular blocking drugs. Current Opinion in Immunology, 2021, 72, 65-71.	5.5	8
52	Inhibition of Orai Channel Function Regulates Mas-Related G Protein-Coupled Receptor-Mediated Responses in Mast Cells. Frontiers in Immunology, 2021, 12, 803335.	4.8	7
53	Mas-Related G Proteinâ€“Coupled Receptor-X2 and Its Role in Non-immunoglobulin Eâ€“Mediated Drug Hypersensitivity. Immunology and Allergy Clinics of North America, 2022, 42, 269-284.	1.9	6
54	Role of MrgprB2 in Rosacea-Like Inflammation in Mice: Modulation by Î²-Arrestin 2. Journal of Investigative Dermatology, 2022, 142, 2988-2997.e3.	0.7	6

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55	Spatiotemporal Patterns of Substance P-Bound MRGPRX2 Reveal a Novel Connection Between Macropinosome Resolution and Secretory Granule Regeneration in Mast Cells. Frontiers in Immunology, 0, 13, .	4.8	5
56	C3a Receptors Signaling in Mast Cells. , 2007, 598, 126-140.		3