JosÃ© Miguel RodrÃ-guez-Frade

List of Publications by Year
in descending order

85 papers	5,515 citations	101543 36 h-index	79698 73 g-index
86 all docs	86 docs citations	86 times ranked	6144 citing authors

#	Article	IF	Citations
1	Altered CXCR4 dynamics at the cell membrane impairs directed cell migration in WHIM syndrome patients. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119483119.	7.1	7
2	Deregulated cellular circuits driving immunoglobulins and complement consumption associate with the severity of COVIDâ€19 patients. European Journal of Immunology, 2021, 51, 634-647.	2.9	27
3	SARS-CoV-2 Cysteine-like Protease Antibodies Can Be Detected in Serum and Saliva of COVID-19â€“Seropositive Individuals. Journal of Immunology, 2020, 205, 3130-3140.	0.8	32
4	The multilayered complexity of the chemokine receptor system. Biochemical and Biophysical Research Communications, 2020, 528, 347-358.	2.1	11
5	Growth Hormone Reprograms Macrophages toward an Anti-Inflammatory and Reparative Profile in an MAFB-Dependent Manner. Journal of Immunology, 2020, 205, 776-788.	0.8	14
6	The Role of the CXCL12/CXCR4/ACKR3 Axis in Autoimmune Diseases. Frontiers in Endocrinology, 2019, 10, 585.	3.5	121
7	Activation of Th lymphocytes alters pattern expression and cellular location of VIP receptors in healthy donors and early arthritis patients. Scientific Reports, 2019, 9, 7383.	3.3	12
8	Image Processing Protocol for the Analysis of the Diffusion and Cluster Size of Membrane Receptors by Fluorescence Microscopy. Journal of Visualized Experiments, 2019, , .	0.3	2
9	SAT0032â€…ACTIVATION OF TH LYMPHOCYTES ALTERS THE PATTERN EXPRESSION AND CELLULAR LOCATION OF VIP RECEPTORS IN HEALTHY DONORS AND EARLY ARTHRITIS PATIENTS. , 2019, , .		0
10	Separating Actin-Dependent Chemokine Receptor Nanoclustering from Dimerization Indicates a Role for Clustering in CXCR4 Signaling and Function. Molecular Cell, 2018, 70, 106-119.e10.	9.7	70
11	Remodeling our concept of chemokine receptor function: From monomers to oligomers. Journal of Leukocyte Biology, 2018, 104, 323-331.	3.3	25
12	Inhibitory Role of Growth Hormone in the Induction and Progression Phases of Collagen-Induced Arthritis. Frontiers in Immunology, 2018, 9, 1165.	4.8	9
13	Use of Lentiviral Particles As a Cell Membrane-Based mFasL Delivery System for In Vivo Treatment of Inflammatory Arthritis. Frontiers in Immunology, 2017, 8, 460.	4.8	5
14	Use of Resonance Energy Transfer Techniques for In Vivo Detection of Chemokine Receptor Oligomerization. Methods in Molecular Biology, 2016, 1407, 341-359.	0.9	3
15	Chemokine Detection Using Receptors Immobilized on an SPR Sensor Surface. Methods in Enzymology, 2016, 570, 1-18.	1.0	2
16	T cell migration in rheumatoid arthritis. Frontiers in Immunology, 2015, 6, 384.	4.8	221
17	Th17 polarization of memory Th cells in early arthritis: the vasoactive intestinal peptide effect. Journal of Leukocyte Biology, 2015, 98, 257-269.	3.3	31
18	CXCL12 Regulates through JAK1 and JAK2 Formation of Productive Immunological Synapses. Journal of Immunology, 2015, 194, 5509-5519.	0.8	26

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19	Methods to Immobilize GPCR on the Surface of SPR Sensors. Methods in Molecular Biology, 2015, 1272, 173-188.	0.9	7
20	CCR5/CD4/CXCR4 oligomerization prevents HIV-1 gp120_{IIIB}binding to the cell surface. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1960-9.	7.1	45
21	AB0164â€…Analysis of Jak-Stat-Socs Signal Pathway MRNA Expression in Ankylosing Spondylitis (AS) Patients with Peripheral Arthritis (PA). Annals of the Rheumatic Diseases, 2014, 73, 857.1-857.	0.9	0
22	Implementation of a SPR immunosensor for the simultaneous detection of the 22K and 20K hGH isoforms in human serum samples. Talanta, 2013, 114, 268-275.	5.5	16
23	Janus kinases 1 and 2 regulate chemokineâ€mediated integrin activation and naÃ¯ve Tâ€cell homing. European Journal of Immunology, 2013, 43, 1745-1757.	2.9	9
24	CXCL12-Mediated Murine Neural Progenitor Cell Movement Requires PI3KÎ² Activation. Molecular Neurobiology, 2013, 48, 217-231.	4.0	8
25	Real-time detection of the chemokine CXCL12 in urine samples by surface plasmon resonance. Talanta, 2013, 109, 209-215.	5.5	20
26	Suppressor of cytokine signaling 1 blocks mitosis in human melanoma cells. Cellular and Molecular Life Sciences, 2013, 70, 545-558.	5.4	17
27	EBI2 regulates CXCL13â€mediated responses by heterodimerization with CXCR5. FASEB Journal, 2012, 26, 4841-4854.	0.5	35
28	Chemokine receptor oligomerization: A further step toward chemokine function. Immunology Letters, 2012, 145, 23-29.	2.5	40
29	Receptor oligomerization: A pivotal mechanism for regulating chemokine function. , 2011, 131, 351-358.		22
30	Technical Advance: Surface plasmon resonance-based analysis of CXCL12 binding using immobilized lentiviral particles. Journal of Leukocyte Biology, 2011, 90, 399-408.	3.3	23
31	Chemokine receptor oligomerization: functional considerations. Current Opinion in Pharmacology, 2010, 10, 38-43.	3.5	64
32	Dynamic Regulation of CXCR1 and CXCR2 Homo- and Heterodimers. Journal of Immunology, 2009, 183, 7337-7346.	0.8	44
33	Single- and multi-analyte determination of gonadotropic hormones in urine by Surface Plasmon Resonance immunoassay. Analytica Chimica Acta, 2009, 647, 202-209.	5.4	23
34	Surface plasmon resonance immunoassay analysis of pituitary hormones in urine and serum samples. Clinica Chimica Acta, 2009, 403, 56-62.	1.1	59
35	PI3KÎ³ activation by CXCL12 regulates tumor cell adhesion and invasion. Biochemical and Biophysical Research Communications, 2009, 388, 199-204.	2.1	28
36	Determination of human growth hormone in human serum samples by surface plasmon resonance immunoassay. Talanta, 2009, 78, 1011-1016.	5.5	61

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37	Chapter 5 Multiple Approaches to the Study of Chemokine Receptor Homoâ€•and Heterodimerization. Methods in Enzymology, 2009, 461, 105-122.	1.0	3
38	Chemokine Receptor Dimerization and Chemotaxis. Methods in Molecular Biology, 2009, 571, 179-198.	0.9	4
39	Ligand stabilization of CXCR4/Íâ€opioid receptor heterodimers reveals a mechanism for immune response regulation. European Journal of Immunology, 2008, 38, 537-549.	2.9	132
40	Drug Testing in Cellular Chemotaxis Assays. Current Protocols in Pharmacology, 2008, 41, Unit 12.11.	4.0	2
41	Chemokine Receptor 2 Blockade Prevents Asthma in a Cynomolgus Monkey Model. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 769-775.	2.5	37
42	SOCS up-regulation mobilizes autologous stem cells through CXCR4 blockade. Blood, 2006, 108, 3928-3937.	1.4	24
43	G Protein-Coupled Receptor Dimerization and Signaling. , 2006, 332, 141-158.		6
44	Activation pathways of Î±4Î²1 integrin leading to distinct T-cell cytoskeleton reorganization, Rac1 regulation and Pyk2 phosphorylation. Journal of Cellular Physiology, 2006, 207, 746-756.	4.1	15
45	Opioids Trigger Î±5Î²1 Integrin-Mediated Monocyte Adhesion. Journal of Immunology, 2006, 176, 1675-1685.	0.8	26
46	Chemokine receptor-mediated signal transduction. , 2006, , 91-108.		1
47	Response to "On the dimerization of CCR5". Nature Immunology, 2005, 6, 535-536.	14.5	20
48	Chemokine Signaling: The Functional Importance of Stabilizing Receptor Conformations. , 2005, , 153-170.		0
49	Chemokine Signaling Defines Novel Targets for Therapeutic Intervention. Mini-Reviews in Medicinal Chemistry, 2005, 5, 781-789.	2.4	11
50	A framework for computational and experimental methods: Identifying dimerization residues in CCR chemokine receptors. Bioinformatics, 2005, 21, ii13-ii18.	4.1	9
51	CXCR4-mediated Suppressor of Cytokine Signaling Up-regulation Inactivates Growth Hormone Function. Journal of Biological Chemistry, 2004, 279, 44460-44466.	3.4	18
52	Identification of amino acid residues crucial for chemokine receptor dimerization. Nature Immunology, 2004, 5, 216-223.	14.5	176
53	Blocking HIV-1 infection via CCR5 and CXCR4 receptors by acting in trans on the CCR2 chemokine receptor. EMBO Journal, 2004, 23, 66-76.	7.8	68
54	Leukocyte attraction through the CCR5 receptor controls progress from insulitis to diabetes in non-obese diabetic mice. European Journal of Immunology, 2004, 34, 548-557.	2.9	90

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55	Chemokines integrate JAK/STAT and G-protein pathways during chemotaxis and calcium flux responses. European Journal of Immunology, 2003, 33, 1328-1333.	2.9	101
56	CCR7-mediated physiological lymphocyte homing involves activation of a tyrosine kinase pathway. Blood, 2003, 101, 38-44.	1.4	80
57	G Protein-Coupled-Receptor Mediated STAT Activation. , 2003, , 191-206.		1
58	The Chemokine Stromal Cell-Derived Factor-1Î± Modulates Î±4Î²7 Integrin-Mediated Lymphocyte Adhesion to Mucosal Addressin Cell Adhesion Molecule-1 and Fibronectin. Journal of Immunology, 2002, 168, 5268-5277.	0.8	73
59	Autocrine Production of IFN-Î³ by Macrophages Controls Their Recruitment to Kidney and the Development of Glomerulonephritis in MRL/lpr Mice. Journal of Immunology, 2002, 169, 1058-1067.	0.8	71
60	Analysis of G-protein-coupled receptor dimerization following chemokine signaling. Methods, 2002, 27, 349-357.	3.8	43
61	Functional Inactivation of CXC Chemokine Receptor 4â€“mediated Responses through SOCS3 Up-regulation. Journal of Experimental Medicine, 2002, 196, 311-321.	8.5	61
62	Functional expression of chemokine receptor 2 by normal human eosinophils. Journal of Allergy and Clinical Immunology, 2001, 108, 581-587.	2.9	44
63	Chemokine Signaling and Functional Responses: The Role of Receptor Dimerization and TK Pathway Activation. Annual Review of Immunology, 2001, 19, 397-421.	21.8	347
64	Chemokine receptor dimerization: two are better than one. Trends in Immunology, 2001, 22, 612-617.	6.8	113
65	Chemokine receptor homo- or heterodimerization activates distinct signaling pathways. EMBO Journal, 2001, 20, 2497-2507.	7.8	392
66	CXCR3 Chemokine Receptor Distribution in Normal and Inflamed Tissues: Expression on Activated Lymphocytes, Endothelial Cells, and Dendritic Cells. Laboratory Investigation, 2001, 81, 409-418.	3.7	147
67	A potential immune escape mechanism by melanoma cells through the activation of chemokine-induced T cell death. Current Biology, 2001, 11, 691-696.	3.9	121
68	Expression of Functional Chemokine Receptors CXCR3 and CXCR4 on Human Melanoma Cells. Journal of Biological Chemistry, 2001, 276, 45098-45105.	3.4	203
69	Role of the Pi3k Regulatory Subunit in the Control of Actin Organization and Cell Migration. Journal of Cell Biology, 2000, 151, 249-262.	5.2	222
70	DeltahGHR, a Novel Biosafe Cell Surface-Labeling Molecule for Analysis and Selection of Genetically Transduced Human Cells. Human Gene Therapy, 2000, 11, 333-346.	2.7	4
71	HIV-1 infection through the CCR5 receptor is blocked by receptor dimerization. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3388-3393.	7.1	73
72	The chemokine SDFâ€Î± triggers CXCR4 receptor dimerization and activates the JAK/STAT pathway. FASEB Journal, 1999, 13, 1699-1710.	0.5	469

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73	Similarities and Differences in RANTES- and (AOP)-RANTESâ€“triggered Signals: Implications for Chemotaxis. Journal of Cell Biology, 1999, 144, 755-765.	5.2	115
74	The chemokine monocyte chemoattractant protein-1 induces functional responses through dimerization of its receptor CCR2. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 3628-3633.	7.1	216
75	Chemokine control of HIV-1 infection. Nature, 1999, 400, 723-724.	27.8	118
76	Expression analysis of the thyrotropin-releasing hormone receptor (TRHR) in the immune system using agonist anti-TRHR monoclonal antibodies. FEBS Letters, 1999, 451, 308-314.	2.8	17
77	The chemokine SDF-1Î± triggers a chemotactic response and induces cell polarization in human B lymphocytes. European Journal of Immunology, 1998, 28, 2197-2207.	2.9	102
78	HIV-1 envelope protein gp120 triggers a Th2 response in mice that shifts to Th1 in the presence of human growth hormone. Vaccine, 1998, 16, 1111-1115.	3.8	25
79	Monocyte chemoattractant protein-1-induced CCR2B receptor desensitization mediated by the G protein-coupled receptor kinase 2. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 2985-2990.	7.1	153
80	Conformational Changes Required in the Human Growth Hormone Receptor for Growth Hormone Signaling. Journal of Biological Chemistry, 1997, 272, 9189-9196.	3.4	65
81	Polarization of Chemokine Receptors to the Leading Edge during Lymphocyte Chemotaxis. Journal of Experimental Medicine, 1997, 186, 153-158.	8.5	202
82	The amino-terminal domain of the CCR2 chemokine receptor acts as coreceptor for HIV-1 infection.. Journal of Clinical Investigation, 1997, 100, 497-502.	8.2	101
83	Characterization of monoclonal antibodies specific for the human growth hormone 22K and 20K isoforms. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 1613-1618.	3.6	24
84	Functional consequences of chemokine receptor dimerization. , 0, , 111-124.		0
85	Sphingomyelin Depletion Inhibits CXCR4 Dynamics and CXCL12-Mediated Directed Cell Migration in Human T Cells. Frontiers in Immunology, 0, 13, .	4.8	3