

# Ignacio Moraga

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,390  
citations

331259

21  
h-index

476904

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting a natural conformational switch to engineer an interleukin-2 "superkine"™. <i>Nature</i> , 2012, 484, 529-533.	13.7	438
2	Structural Linkage between Ligand Discrimination and Receptor Activation by Type I Interferons. <i>Cell</i> , 2011, 146, 621-632.	13.5	310
3	Mechanistic and structural insight into the functional dichotomy between IL-2 and IL-15. <i>Nature Immunology</i> , 2012, 13, 1187-1195.	7.0	206
4	Insights into Cytokine"Receptor Interactions from Cytokine Engineering. <i>Annual Review of Immunology</i> , 2015, 33, 139-167.	9.5	204
5	Tuning Cytokine Receptor Signaling by Re-orienting Dimer Geometry with Surrogate Ligands. <i>Cell</i> , 2015, 160, 1196-1208.	13.5	138
6	Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations. <i>Science</i> , 2020, 367, 643-652.	6.0	123
7	Functional Selectivity in Cytokine Signaling Revealed Through a Pathogenic EPO Mutation. <i>Cell</i> , 2017, 168, 1053-1064.e15.	13.5	98
8	Receptor Density Is Key to the Alpha2/Beta Interferon Differential Activities. <i>Molecular and Cellular Biology</i> , 2009, 29, 4778-4787.	1.1	91
9	The IFN-Î»-IFN-Î»R1-IL-10RÎ² Complex Reveals Structural Features Underlying Type III IFN Functional Plasticity. <i>Immunity</i> , 2017, 46, 379-392.	6.6	89
10	Redirecting cell-type specific cytokine responses with engineered interleukin-4 superkines. <i>Nature Chemical Biology</i> , 2012, 8, 990-998.	3.9	73
11	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. <i>Cell</i> , 2017, 168, 1041-1052.e18.	13.5	70
12	Multifarious Determinants of Cytokine Receptor Signaling Specificity. <i>Advances in Immunology</i> , 2014, 121, 1-39.	1.1	62
13	Instructive roles for cytokine-receptor binding parameters in determining signaling and functional potency. <i>Science Signaling</i> , 2015, 8, ra114.	1.6	57
14	The role of RPGR in cilia formation and actin stability. <i>Human Molecular Genetics</i> , 2011, 20, 4840-4850.	1.4	51
15	Synthekines are surrogate cytokine and growth factor agonists that compel signaling through non-natural receptor dimers. <i>ELife</i> , 2017, 6, .	2.8	51
16	Engineered IL-10 variants elicit potent immunomodulatory effects at low ligand doses. <i>Science Signaling</i> , 2020, 13, .	1.6	47
17	Role of the Diacylglycerol Kinase Î±-Conserved Domains in Membrane Targeting in Intact T Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 35396-35404.	1.6	38
18	Ligand-induced type II interleukin-4 receptor dimers are sustained by rapid re-association within plasma membrane microcompartments. <i>Nature Communications</i> , 2017, 8, 15976.	5.8	34

#	ARTICLE	IF	CITATIONS
19	Kinetics of cytokine receptor trafficking determine signaling and functional selectivity. <i>ELife</i> , 2019, 8, .	2.8	34
20	Receptor dimer stabilization by hierarchical plasma membrane microcompartments regulates cytokine signaling. <i>Science Advances</i> , 2016, 2, e1600452.	4.7	31
21	CDK8 Fine-Tunes IL-6 Transcriptional Activities by Limiting STAT3 Resident Time at the Gene Loci. <i>Cell Reports</i> , 2020, 33, 108545.	2.9	26
22	Tuning MPL signaling to influence hematopoietic stem cell differentiation and inhibit essential thrombocythemia progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
23	Competitive binding of STATs to receptor phospho-Tyr motifs accounts for altered cytokine responses. <i>ELife</i> , 2021, 10, .	2.8	21
24	Mapping Determinants of Cytokine Signaling via Protein Engineering. <i>Frontiers in Immunology</i> , 2018, 9, 2143.	2.2	20
25	CpG Inhibits Pro-B Cell Expansion through a Cathepsin B-Dependent Mechanism. <i>Journal of Immunology</i> , 2010, 184, 5678-5685.	0.4	16
26	A strategy for the selection of monovalent antibodies that span protein dimer interfaces. <i>Journal of Biological Chemistry</i> , 2019, 294, 13876-13886.	1.6	16
27	Loss of adenomatous polyposis coli function renders intestinal epithelial cells resistant to the cytokine IL-22. <i>PLoS Biology</i> , 2019, 17, e3000540.	2.6	9
28	Molecular and cellular factors determining the functional pleiotropy of cytokines. <i>FEBS Journal</i> , 2023, 290, 2525-2552.	2.2	6
29	Cytokine Receptors. , 2021, , .		1
30	Identifying cytokine signaling signatures in primary human Th-1 cells by phospho-proteomics analysis. <i>STAR Protocols</i> , 2021, 2, 100417.	0.5	0
31	New Paradigms for the Mechanisms of Thrombopoietin Receptor Activation and Dysregulation By the JAK2V617F Mutation. <i>Blood</i> , 2019, 134, 2962-2962.	0.6	0