

# Stephan Wilmes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4364956/publications.pdf>

Version: 2024-02-01

23  
papers

1,289  
citations

430874

18  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-color single-molecule imaging with engineered tags resolves the molecular architecture of signaling complexes in the plasma membrane. <i>Cell Reports Methods</i> , 2022, 2, 100165.	2.9	27
2	Competitive binding of STATs to receptor phospho-Tyr motifs accounts for altered cytokine responses. <i>ELife</i> , 2021, 10, .	6.0	21
3	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, .	7.1	24
4	Engineered IL-10 variants elicit potent immunomodulatory effects at low ligand doses. <i>Science Signaling</i> , 2020, 13, .	3.6	47
5	Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations. <i>Science</i> , 2020, 367, 643-652.	12.6	123
6	CDK8 Fine-Tunes IL-6 Transcriptional Activities by Limiting STAT3 Resident Time at the Gene Loci. <i>Cell Reports</i> , 2020, 33, 108545.	6.4	26
7	Kinetics of cytokine receptor trafficking determine signaling and functional selectivity. <i>ELife</i> , 2019, 8, .	6.0	34
8	New Paradigms for the Mechanisms of Thrombopoietin Receptor Activation and Dysregulation By the JAK2V617F Mutation. <i>Blood</i> , 2019, 134, 2962-2962.	1.4	0
9	Mapping Determinants of Cytokine Signaling via Protein Engineering. <i>Frontiers in Immunology</i> , 2018, 9, 2143.	4.8	20
10	Functional Selectivity in Cytokine Signaling Revealed Through a Pathogenic EPO Mutation. <i>Cell</i> , 2017, 168, 1053-1064.e15.	28.9	98
11	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. <i>Cell</i> , 2017, 168, 1041-1052.e18.	28.9	70
12	STAT2 is an essential adaptor in USP18-mediated suppression of type I interferon signaling. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 279-289.	8.2	140
13	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.	12.8	34
14	Receptor dimer stabilization by hierarchical plasma membrane microcompartments regulates cytokine signaling. <i>Science Advances</i> , 2016, 2, e1600452.	10.3	31
15	Spatiotemporal control of interferon-induced JAK/STAT signalling and gene transcription by the retromer complex. <i>Nature Communications</i> , 2016, 7, 13476.	12.8	50
16	Discovery of the First Pathogenic Human EPO Mutation Provides Mechanistic Insight into Cytokine Signaling. <i>Blood</i> , 2016, 128, 331-331.	1.4	6
17	Tuning Cytokine Receptor Signaling by Re-orienting Dimer Geometry with Surrogate Ligands. <i>Cell</i> , 2015, 160, 1196-1208.	28.9	138
18	Receptor dimerization dynamics as a regulatory valve for plasticity of type I interferon signaling. <i>Journal of Cell Biology</i> , 2015, 209, 579-593.	5.2	103

#	ARTICLE	IF	CITATIONS
19	Instructive roles for cytokine-receptor binding parameters in determining signaling and functional potency. <i>Science Signaling</i> , 2015, 8, ra114.	3.6	57
20	Rapid Transfer of Transmembrane Proteins for Single Molecule Dimerization Assays in Polymer-Supported Membranes. <i>ACS Chemical Biology</i> , 2014, 9, 2479-2484.	3.4	28
21	Dynamic Submicroscopic Signaling Zones Revealed by Pair Correlation Tracking and Localization Microscopy. <i>Analytical Chemistry</i> , 2014, 86, 8593-8602.	6.5	36
22	High efficiency cell-specific targeting of cytokine activity. <i>Nature Communications</i> , 2014, 5, 3016.	12.8	62
23	Triple-Color Super-Resolution Imaging of Live Cells: Resolving Submicroscopic Receptor Organization in the Plasma Membrane. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4868-4871.	13.8	89