

# 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	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
2	Tuning Cytokine Receptor Signaling by Re-orienting Dimer Geometry with Surrogate Ligands. <i>Cell</i> , 2015, 160, 1196-1208.	28.9	138
3	Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations. <i>Science</i> , 2020, 367, 643-652.	12.6	123
4	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
5	Functional Selectivity in Cytokine Signaling Revealed Through a Pathogenic EPO Mutation. <i>Cell</i> , 2017, 168, 1053-1064.e15.	28.9	98
6	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
7	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. <i>Cell</i> , 2017, 168, 1041-1052.e18.	28.9	70
8	High efficiency cell-specific targeting of cytokine activity. <i>Nature Communications</i> , 2014, 5, 3016.	12.8	62
9	Instructive roles for cytokine-receptor binding parameters in determining signaling and functional potency. <i>Science Signaling</i> , 2015, 8, ra114.	3.6	57
10	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
11	Engineered IL-10 variants elicit potent immunomodulatory effects at low ligand doses. <i>Science Signaling</i> , 2020, 13, .	3.6	47
12	Dynamic Submicroscopic Signaling Zones Revealed by Pair Correlation Tracking and Localization Microscopy. <i>Analytical Chemistry</i> , 2014, 86, 8593-8602.	6.5	36
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	Kinetics of cytokine receptor trafficking determine signaling and functional selectivity. <i>ELife</i> , 2019, 8, .	6.0	34
15	Receptor dimer stabilization by hierarchical plasma membrane microcompartments regulates cytokine signaling. <i>Science Advances</i> , 2016, 2, e1600452.	10.3	31
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Tuning MPL signaling to influence hematopoietic stem cell differentiation and inhibit essential thrombocythemia progenitors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
20	Competitive binding of STATs to receptor phospho-Tyr motifs accounts for altered cytokine responses. ELife, 2021, 10, .	6.0	21
21	Mapping Determinants of Cytokine Signaling via Protein Engineering. Frontiers in Immunology, 2018, 9, 2143.	4.8	20
22	Discovery of the First Pathogenic Human EPO Mutation Provides Mechanistic Insight into Cytokine Signaling. Blood, 2016, 128, 331-331.	1.4	6
23	New Paradigms for the Mechanisms of Thrombopoietin Receptor Activation and Dysregulation By the JAK2V617F Mutation. Blood, 2019, 134, 2962-2962.	1.4	0