

# Timo Glatter

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

4,040  
citations

159585

30  
h-index

138484

58  
g-index

65  
all docs

65  
docs citations

65  
times ranked

7550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human RECQ1 promotes restart of replication forks reversed by DNA topoisomerase I inhibition. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 347-354.	8.2	370
2	Large-Scale Quantitative Assessment of Different In-Solution Protein Digestion Protocols Reveals Superior Cleavage Efficiency of Tandem Lys-C/Trypsin Proteolysis over Trypsin Digestion. <i>Journal of Proteome Research</i> , 2012, 11, 5145-5156.	3.7	298
3	Memory CD8 + T Cells Require Increased Concentrations of Acetate Induced by Stress for Optimal Function. <i>Immunity</i> , 2016, 44, 1312-1324.	14.3	257
4	An integrated workflow for charting the human interaction proteome: insights into the PP2A system. <i>Molecular Systems Biology</i> , 2009, 5, 237.	7.2	253
5	SAM68 Regulates Neuronal Activity-Dependent Alternative Splicing of Neurexin-1. <i>Cell</i> , 2011, 147, 1601-1614.	28.9	240
6	A High-Density Map for Navigating the Human Polycomb Complexome. <i>Cell Reports</i> , 2016, 17, 583-595.	6.4	234
7	NSs Protein of Rift Valley Fever Virus Induces the Specific Degradation of the Double-Stranded RNA-Dependent Protein Kinase. <i>Journal of Virology</i> , 2009, 83, 4365-4375.	3.4	216
8	Endolysosomal sorting of ubiquitylated caveolin-1 is regulated by VCP and UBXD1 and impaired by VCP disease mutations. <i>Nature Cell Biology</i> , 2011, 13, 1116-1123.	10.3	213
9	Critical assessment of proteome-wide label-free absolute abundance estimation strategies. <i>Proteomics</i> , 2013, 13, 2567-2578.	2.2	190
10	Evaluation and Improvement of Quantification Accuracy in Isobaric Mass Tag-Based Protein Quantification Experiments. <i>Journal of Proteome Research</i> , 2016, 15, 2537-2547.	3.7	148
11	Quantitative interaction proteomics using mass spectrometry. <i>Nature Methods</i> , 2009, 6, 203-205.	19.0	136
12	Comparative profiling identifies C13orf3 as a component of the Ska complex required for mammalian cell division. <i>EMBO Journal</i> , 2009, 28, 1453-1465.	7.8	89
13	Osmosensing by the bacterial PhoQ/PhoP two-component system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10792-E10798.	7.1	86
14	Marine Proteobacteria metabolize glycolate via the $\beta^2$ -hydroxyaspartate cycle. <i>Nature</i> , 2019, 575, 500-504.	27.8	71
15	Allosteric Feedback Inhibition Enables Robust Amino Acid Biosynthesis in <i>E. coli</i> by Enforcing Enzyme Overabundance. <i>Cell Systems</i> , 2019, 8, 66-75.e8.	6.2	67
16	PilY1 and minor pilins form a complex priming the type IVa pilus in <i>Myxococcus xanthus</i> . <i>Nature Communications</i> , 2020, 11, 5054.	12.8	67
17	SAINT-MS1: Protein-Protein Interaction Scoring Using Label-free Intensity Data in Affinity Purification-Mass Spectrometry Experiments. <i>Journal of Proteome Research</i> , 2012, 11, 2619-2624.	3.7	62
18	Comparison of Different Sample Preparation Protocols Reveals Lysis Buffer-Specific Extraction Biases in Gram-Negative Bacteria and Human Cells. <i>Journal of Proteome Research</i> , 2015, 14, 4472-4485.	3.7	62

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19	Modularity and hormone sensitivity of the <i>Drosophila melanogaster</i> insulin receptor/target of rapamycin interaction proteome. <i>Molecular Systems Biology</i> , 2011, 7, 547.	7.2	60
20	Multi-omics Analysis of CRISPRi-Knockdowns Identifies Mechanisms that Buffer Decreases of Enzymes in <i>E. coli</i> Metabolism. <i>Cell Systems</i> , 2021, 12, 56-67.e6.	6.2	57
21	An engineered Calvin-Benson-Bassham cycle for carbon dioxide fixation in <i>Methylobacterium extorquens</i> AM1. <i>Metabolic Engineering</i> , 2018, 47, 423-433.	7.0	53
22	The E3 ubiquitin ligase Mib1 regulates Plk4 and centriole biogenesis. <i>Journal of Cell Science</i> , 2015, 128, 1674-82.	2.0	50
23	RIPK1 and Caspase-8 Ensure Chromosome Stability Independently of Their Role in Cell Death and Inflammation. <i>Molecular Cell</i> , 2019, 73, 413-428.e7.	9.7	50
24	A novel capture compound for the identification and analysis of cyclic di-GMP binding proteins. <i>Journal of Proteomics</i> , 2012, 75, 4874-4878.	2.4	48
25	A kiwellin disarms the metabolic activity of a secreted fungal virulence factor. <i>Nature</i> , 2019, 565, 650-653.	27.8	48
26	Evaluation of Data-Dependent and -Independent Mass Spectrometric Workflows for Sensitive Quantification of Proteins and Phosphorylation Sites. <i>Journal of Proteome Research</i> , 2014, 13, 5973-5988.	3.7	44
27	A TonB-dependent transporter is required for secretion of protease PopC across the bacterial outer membrane. <i>Nature Communications</i> , 2019, 10, 1360.	12.8	43
28	Mind Bomb Regulates Cell Death during TNF Signaling by Suppressing RIPK1's Cytotoxic Potential. <i>Cell Reports</i> , 2018, 23, 470-484.	6.4	42
29	Structural and Proteomic Changes in Viable but Non-culturable <i>Vibrio cholerae</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 793.	3.5	42
30	Baseplate variability of <i>Vibrio cholerae</i> chemoreceptor arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13365-13370.	7.1	40
31	A cell surface-exposed protein complex with an essential virulence function in <i>Ustilago maydis</i> . <i>Nature Microbiology</i> , 2021, 6, 722-730.	13.3	31
32	An experimental strategy for the identification of AMPylation targets from complex protein samples. <i>Proteomics</i> , 2014, 14, 1048-1052.	2.2	26
33	CRISPRi-Based Downregulation of Transcriptional Feedback Improves Growth and Metabolism of Arginine Overproducing <i>E. coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1983-1990.	3.8	26
34	An Extended Cyclic Di-GMP Network in the Predatory Bacterium <i>Bdellovibrio bacteriovorus</i> . <i>Journal of Bacteriology</i> , 2016, 198, 127-137.	2.2	25
35	Hydrogen utilization by <i>Methylocystis</i> sp. strain SC2 expands the known metabolic versatility of type Ila methanotrophs. <i>Metabolic Engineering</i> , 2020, 61, 181-196.	7.0	25
36	Symbiosis, virulence and natural-product biosynthesis in entomopathogenic bacteria are regulated by a small RNA. <i>Nature Microbiology</i> , 2020, 5, 1481-1489.	13.3	24

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37	A cell length-dependent transition in MinD dynamics promotes a switch in division site placement and preservation of proliferating elongated <i>Vibrio parahaemolyticus</i> swarmer cells. <i>Molecular Microbiology</i> , 2018, 109, 365-384.	2.5	19
38	The release of a distinct cell type from swarm colonies facilitates dissemination of <i>Vibrio parahaemolyticus</i> in the environment. <i>ISME Journal</i> , 2020, 14, 230-244.	9.8	19
39	Transcriptional regulation by $\sigma$ factor phosphorylation in bacteria. <i>Nature Microbiology</i> , 2020, 5, 395-406.	13.3	17
40	A small <i>Ustilago maydis</i> effector acts as a novel adhesin for hyphal aggregation in plant tumors. <i>New Phytologist</i> , 2021, 231, 416-431.	7.3	16
41	Inefficient Secretion of Anti- $\sigma$ Factor FlgM Inhibits Bacterial Motility at High Temperature. <i>IScience</i> , 2019, 16, 145-154.	4.1	15
42	Capture Compound Mass Spectrometry - A Powerful Tool to Identify Novel c-di-GMP Effector Proteins. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	14
43	High-throughput enrichment of temperature-sensitive argininosuccinate synthetase for two-stage citrulline production in <i>E. coli</i> . <i>Metabolic Engineering</i> , 2020, 60, 14-24.	7.0	14
44	Crude-MS Strategy for in-Depth Proteome Analysis of the Methane-Oxidizing <i>Methylocystis</i> sp. strain SC2. <i>Journal of Proteome Research</i> , 2018, 17, 3086-3103.	3.7	13
45	The de-ubiquitylating enzyme DLUBA is essential for spermatogenesis in <i>Drosophila</i> . <i>Cell Death and Differentiation</i> , 2016, 23, 2019-2030.	11.2	12
46	Design of a MAPK signalling cascade balances energetic cost versus accuracy of information transmission. <i>Nature Communications</i> , 2020, 11, 3494.	12.8	12
47	Metabolome and proteome analyses reveal transcriptional misregulation in glycolysis of engineered <i>E. coli</i> . <i>Nature Communications</i> , 2021, 12, 4929.	12.8	12
48	A noncanonical cytochrome <i>c</i> stimulates calcium binding by PilY1 for type IVa pili formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	10
49	Secreted Matrix Metalloproteinase-9 of Proliferating Smooth Muscle Cells as a Trigger for Drug Release from Stent Surface Polymers in Coronary Arteries. <i>Molecular Pharmaceutics</i> , 2016, 13, 2290-2300.	4.6	9
50	GGDEF domain as spatial on-switch for a phosphodiesterase by interaction with landmark protein HubP. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 35.	6.4	9
51	Isolation and Characterization of Shewanella Phage Thanatos Infecting and Lysing <i>Shewanella oneidensis</i> and Promoting Nascent Biofilm Formation. <i>Frontiers in Microbiology</i> , 2020, 11, 573260.	3.5	8
52	Assessment of current mass spectrometric workflows for the quantification of low abundant proteins and phosphorylation sites. <i>Data in Brief</i> , 2015, 5, 297-304.	1.0	7
53	Efficient Tandem LysC/Trypsin Digestion in Detergent Conditions. <i>Proteomics</i> , 2019, 19, e1900136.	2.2	7
54	A Serial Sample Processing Strategy with Improved Performance for in-Depth Quantitative Analysis of Type III Secretion Events in <i>Pseudomonas aeruginosa</i> . <i>Journal of Proteome Research</i> , 2020, 19, 543-553.	3.7	6

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55	Pull-Down with a c-di-GMP-Specific Capture Compound Coupled to Mass Spectrometry as a Powerful Tool to Identify Novel Effector Proteins. <i>Methods in Molecular Biology</i> , 2017, 1657, 361-376.	0.9	4
56	Multiple Drug-Induced Stress Responses Inhibit Formation of <i>Escherichia coli</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	4
57	Specific proteomic adaptation to distinct environments in <i>Vibrio parahaemolyticus</i> includes significant fluctuations in expression of essential proteins. <i>Environmental Microbiology</i> , 2020, 22, 4279-4294.	3.8	3
58	AN INTEGRATED EXPERIMENTAL WORKFLOW TO INCREASE THROUGHPUT AND DATA ROBUSTNESS FOR ANALYSIS OF MAMMALIAN PROTEIN INTERACTION NETWORKS. <i>FASEB Journal</i> , 2010, 24, 1b165.	0.5	0
59	Inefficient Secretion of Anti-Sigma Factor FlgM Inhibits Bacterial Motility at High Temperature. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0