Giulio Superti-Furga

List of Publications by Citations

262 papers	32,406 citations	84 h-index	178 g-index
313 ext. papers	36,748 ext. citations	14.1 avg, IF	6.63 L-index

#	Paper	IF	Citations
262	Functional organization of the yeast proteome by systematic analysis of protein complexes. *Nature*, **2002**, 415, 141-7	50.4	4018
261	Proteome survey reveals modularity of the yeast cell machinery. *Nature*, **2006**, 440, 631-6	50.4	2096
260	Somatic mutations of calreticulin in myeloproliferative neoplasms. *New England Journal of Medicine* , **2013**, 369, 2379-90	59.2	1367
259	The CRAPome: a contaminant repository for affinity purification-mass spectrometry data. *Nature Methods*, **2013**, 10, 730-6	21.6	894
258	A physical and functional map of the human TNF-alpha/NF-kappa B signal transduction pathway. *Nature Cell Biology*, **2004**, 6, 97-105	23.4	847
257	An orthogonal proteomic-genomic screen identifies AIM2 as a cytoplasmic DNA sensor for the inflammasome. *Nature Immunology*, **2009**, 10, 266-72	19.1	809
256	Structural basis for the autoinhibition of c-Abl tyrosine kinase. *Cell*, **2003**, 112, 859-71	56.2	661
255	Peroxisomes are signaling platforms for antiviral innate immunity. *Cell*, **2010**, 141, 668-81	56.2	577
254	Chemical proteomic profiles of the BCR-ABL inhibitors imatinib, nilotinib, and dasatinib reveal novel kinase and nonkinase targets. *Blood*, **2007**, 110, 4055-63	2.2	538
253	The promise and peril of chemical probes. *Nature Chemical Biology*, **2015**, 11, 536-41	11.7	523
252	Gene essentiality and synthetic lethality in haploid human cells. *Science*, **2015**, 350, 1092-6	33.3	513
251	ELM server: A new resource for investigating short functional sites in modular eukaryotic proteins. *Nucleic Acids Research*, **2003**, 31, 3625-30	20.1	491
250	Target profiling of small molecules by chemical proteomics. *Nature Chemical Biology*, **2009**, 5, 616-24	11.7	451
249	SLC38A9 is a component of the lysosomal amino acid sensing machinery that controls mTORC1. *Nature*, **2015**, 519, 477-81	50.4	430
248	Mutually exclusive interaction of the CCAAT-binding factor and of a displacement protein with overlapping sequences of a histone gene promoter. *Cell*, **1987**, 50, 347-59	56.2	403
247	Complement factor H binds malondialdehyde epitopes and protects from oxidative stress. *Nature*, **2011**, 478, 76-81	50.4	386
246	Regulation of the c-Abl and Bcr-Abl tyrosine kinases. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 33-44	48.7	380

245	Actin-based motility of vaccinia virus mimics receptor tyrosine kinase signalling. *Nature*, **1999**, 401, 926-9	50.4	356
244	Serine and tyrosine phosphorylations cooperate in Raf-1, but not B-Raf activation. *EMBO Journal*, **1999**, 18, 2137-48	13	345
243	Human Haploid Cell Genetics Reveals Roles for Lipid Metabolism Genes in Nonapoptotic Cell Death. *ACS Chemical Biology*, **2015**, 10, 1604-9	4.9	332
242	A myristoyl/phosphotyrosine switch regulates c-Abl. *Cell*, **2003**, 112, 845-57	56.2	332
241	IFIT1 is an antiviral protein that recognizes 5Rtriphosphate RNA. *Nature Immunology*, **2011**, 12, 624-30	19.1	331
240	Opposite effects of the p52shc/p46shc and p66shc splicing isoforms on the EGF receptor-MAP kinase-fos signalling pathway. *EMBO Journal*, **1997**, 16, 706-16	13	330
239	Dynamic coupling between the SH2 and SH3 domains of c-Src and Hck underlies their inactivation by C-terminal tyrosine phosphorylation. *Cell*, **2001**, 105, 115-26	56.2	329
238	An efficient tandem affinity purification procedure for interaction proteomics in mammalian cells. *Nature Methods*, **2006**, 3, 1013-9	21.6	326
237	A Call for Systematic Research on Solute Carriers. *Cell*, **2015**, 162, 478-87	56.2	312
236	Structure-based assembly of protein complexes in yeast. *Science*, **2004**, 303, 2026-9	33.3	308
235	Stereospecific targeting of MTH1 by (S)-crizotinib as an anticancer strategy. *Nature*, **2014**, 508, 222-7	50.4	272
234	The Btk tyrosine kinase is a major target of the Bcr-Abl inhibitor dasatinib. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 13283-8	11.5	242
233	The minimum information required for reporting a molecular interaction experiment (MIMIx). *Nature Biotechnology*, **2007**, 25, 894-8	44.5	229
232	Artemisinins Target GABA Receptor Signaling and Impair Cell Identity. *Cell*, **2017**, 168, 86-100.e15	56.2	228
231	The 2.35 A crystal structure of the inactivated form of chicken Src: a dynamic molecule with multiple regulatory interactions. *Journal of Molecular Biology*, **1997**, 274, 757-75	6.5	223
230	A chemical and phosphoproteomic characterization of dasatinib action in lung cancer. *Nature Chemical Biology*, **2010**, 6, 291-9	11.7	221
229	RhoB and actin polymerization coordinate Src activation with endosome-mediated delivery to the membrane. *Developmental Cell*, **2004**, 7, 855-69	10.2	217
228	Global target profile of the kinase inhibitor bosutinib in primary chronic myeloid leukemia cells. *Leukemia*, **2009**, 23, 477-85	10.7	216

227	Myotubularin, a phosphatase deficient in myotubular myopathy, acts on phosphatidylinositol 3-kinase and phosphatidylinositol 3-phosphate pathway. *Human Molecular Genetics*, **2000**, 9, 2223-9	5.6	216
226	The DEAD-box helicase DDX3X is a critical component of the TANK-binding kinase 1-dependent innate immune response. *EMBO Journal*, **2008**, 27, 2135-46	13	210
225	Autoinhibition of c-Abl. *Cell*, **2002**, 108, 247-59	56.2	203
224	Target spectrum of the BCR-ABL inhibitors imatinib, nilotinib and dasatinib. *Leukemia and Lymphoma*, **2008**, 49, 615-9	1.9	199
223	Csk inhibition of c-Src activity requires both the SH2 and SH3 domains of Src.. *EMBO Journal*, **1993**, 12, 2625-2634	13	196
222	Viral immune modulators perturb the human molecular network by common and unique strategies. *Nature*, **2012**, 487, 486-90	50.4	193
221	Mass spectrometry-based functional proteomics: from molecular machines to protein networks. *Nature Methods*, **2007**, 4, 807-15	21.6	193
220	The fission yeast pmk1+ gene encodes a novel mitogen-activated protein kinase homolog which regulates cell integrity and functions coordinately with the protein kinase C pathway. *Molecular and Cellular Biology*, **1996**, 16, 6752-64	4.8	189
219	NSs protein of rift valley fever virus induces the specific degradation of the double-stranded RNA-dependent protein kinase. *Journal of Virology*, **2009**, 83, 4365-75	6.6	188
218	c-Src-mediated phosphorylation of hnRNP K drives translational activation of specifically silenced mRNAs. *Molecular and Cellular Biology*, **2002**, 22, 4535-43	4.8	187
217	Host-cell sensors for Plasmodium activate innate immunity against liver-stage infection. *Nature Medicine*, **2014**, 20, 47-53	50.5	186
216	An intramolecular SH3-domain interaction regulates c-Abl activity. *Nature Genetics*, **1998**, 18, 280-2	36.3	185
215	Structure-function relationships in Src family and related protein tyrosine kinases. *BioEssays*, **1995**, 17, 321-30	4.1	180
214	Organization of the SH3-SH2 unit in active and inactive forms of the c-Abl tyrosine kinase. *Molecular Cell*, **2006**, 21, 787-98	17.6	174
213	Structural coupling of SH2-kinase domains links Fes and Abl substrate recognition and kinase activation. *Cell*, **2008**, 134, 793-803	56.2	171
212	Rediscovering the sweet spot in drug discovery. *Drug Discovery Today*, **2003**, 8, 1067-77	8.8	164
211	Src kinase phosphorylates Caspase-8 on Tyr380: a novel mechanism of apoptosis suppression. *EMBO Journal*, **2006**, 25, 1895-905	13	160
210	Pharmacological targeting of the Wdr5-MLL interaction in C/EBP□N-terminal leukemia. *Nature Chemical Biology*, **2015**, 11, 571-578	11.7	159

209	CD14 is a coreceptor of Toll-like receptors 7 and 9. *Journal of Experimental Medicine*, **2010**, 207, 2689-701	16.6	159
208	Interlaboratory reproducibility of large-scale human protein-complex analysis by standardized AP-MS. *Nature Methods*, **2013**, 10, 307-14	21.6	157
207	Structural basis for viral 5RPPP-RNA recognition by human IFIT proteins. *Nature*, **2013**, 494, 60-4	50.4	155
206	Proteome-wide drug and metabolite interaction mapping by thermal-stability profiling. *Nature Methods*, **2015**, 12, 1055-7	21.6	145
205	Human Proteinpedia enables sharing of human protein data. *Nature Biotechnology*, **2008**, 26, 164-7	44.5	138
204	Systems medicine and integrated care to combat chronic noncommunicable diseases. *Genome Medicine*, **2011**, 3, 43	14.4	137
203	BCR-ABL uncouples canonical JAK2-STAT5 signaling in chronic myeloid leukemia. *Nature Chemical Biology*, **2012**, 8, 285-93	11.7	135
202	Charting the molecular network of the drug target Bcr-Abl. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 7414-9	11.5	130
201	Mutational analysis of the Src SH3 domain: the same residues of the ligand binding surface are important for intra- and intermolecular interactions.. *EMBO Journal*, **1995**, 14, 963-975	13	129
200	The solute carrier SLC35F2 enables YM155-mediated DNA damage toxicity. *Nature Chemical Biology* , **2014**, 10, 768-773	11.7	125
199	A Conserved Circular Network of Coregulated Lipids Modulates Innate Immune Responses. *Cell*, **2015**, 162, 170-83	56.2	123
198	The role of the linker between the SH2 domain and catalytic domain in the regulation and function of Src. *EMBO Journal*, **1997**, 16, 7261-71	13	122
197	A potent and highly specific FN3 monobody inhibitor of the Abl SH2 domain. *Nature Structural and Molecular Biology*, **2010**, 17, 519-27	17.6	120
196	Protein complexes and proteome organization from yeast to man. *Current Opinion in Chemical Biology*, **2003**, 7, 21-7	9.7	115
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189	General statistical modeling of data from protein relative expression isobaric tags. *Journal of Proteome Research*, **2011**, 10, 2758-66	5.6	102
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186	Crosstalk between the catalytic and regulatory domains allows bidirectional regulation of Src. *Nature Structural Biology*, **2000**, 7, 281-6		91
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183	Functional dissection of the TBK1 molecular network. *PLoS ONE*, **2011**, 6, e23971	3.7	90
182	Biallelic loss-of-function mutation in NIK causes a primary immunodeficiency with multifaceted aberrant lymphoid immunity. *Nature Communications*, **2014**, 5, 5360	17.4	89
181	The □117 mutation in Greek HPFH affects the binding of three nuclear factors to the CCAAT region of the gamma-globin gene.. *EMBO Journal*, **1988**, 7, 3099-3107	13	89
180	JAGN1 deficiency causes aberrant myeloid cell homeostasis and congenital neutropenia. *Nature Genetics*, **2014**, 46, 1021-7	36.3	87
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175	Heme drives hemolysis-induced susceptibility to infection via disruption of phagocyte functions. *Nature Immunology*, **2016**, 17, 1361-1372	19.1	82
174	Internalization of Pseudomonas aeruginosa Strain PAO1 into Epithelial Cells Is Promoted by Interaction of a T6SS Effector with the Microtubule Network. *MBio*, **2015**, 6, e00712	7.8	82

173	Immunosuppression and atypical infections in CML patients treated with dasatinib at 140 mg daily. *European Journal of Clinical Investigation*, **2009**, 39, 1098-109	4.6	79
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171	A nuclear tyrosine phosphorylation circuit: c-Jun as an activator and substrate of c-Abl and JNK. *EMBO Journal*, **2000**, 19, 273-81	13	76
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169	Proteomic analysis of human cataract aqueous humour: Comparison of one-dimensional gel LCMS with two-dimensional LCMS of unlabelled and iTRAQ -labelled specimens. *Journal of Proteomics*, **2011**, 74, 151-66	3.9	74
168	Nilotinib-induced vasculopathy: identification of vascular endothelial cells as a primary target site. *Leukemia*, **2017**, 31, 2388-2397	10.7	73
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161	KPC1-mediated ubiquitination and proteasomal processing of NF-B1 p105 to p50 restricts tumor growth. *Cell*, **2015**, 161, 333-47	56.2	66
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153	Regulation of the Src protein tyrosine kinase. *FEBS Letters*, **1995**, 369, 62-6	3.8	59
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150	Structural basis for the cytoskeletal association of Bcr-Abl/c-Abl. *Molecular Cell*, **2005**, 19, 461-73	17.6	57
149	Initial characterization of the human central proteome. *BMC Systems Biology*, **2011**, 5, 17	3.5	56
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145	Antiinflammatory effects of tumor necrosis factor on hematopoietic cells in a murine model of erosive arthritis. *Arthritis and Rheumatism*, **2010**, 62, 1608-19		53
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125	Mig6 is a sensor of EGF receptor inactivation that directly activates c-Abl to induce apoptosis during epithelial homeostasis. *Developmental Cell*, **2012**, 23, 547-59	10.2	38
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97	Selective serotonin reuptake inhibitors--a new modality for the treatment of lymphoma/leukaemia?. *Biochemical Pharmacology*, **2007**, 74, 1424-35	6	24
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