

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51 papers	4,886 citations	22 h-index	58 g-index
58 ext. papers	6,615 ext. citations	15.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
51	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. <i>Nature</i> , 2020 , 583, 459-468	50.4	2142
50	Mechanism for activation of the EGF receptor catalytic domain by the juxtamembrane segment. <i>Cell</i> , 2009 , 137, 1293-307	56.2	432
49	Inhibition of the EGF receptor by binding of MIG6 to an activating kinase domain interface. <i>Nature</i> , 2007 , 450, 741-4	50.4	275
48	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. <i>Science</i> , 2020 , 370,	33.3	261
47	Structural analysis of the catalytically inactive kinase domain of the human EGF receptor 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21608-13	11.5	241
46	Catalytic control in the EGF receptor and its connection to general kinase regulatory mechanisms. <i>Molecular Cell</i> , 2011 , 42, 9-22	17.6	239
45	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. <i>Biochemical Journal</i> , 2014 , 457, 323-34	3.8	192
44	A SARS-CoV-2-Human Protein-Protein Interaction Map Reveals Drug Targets and Potential Drug-Repurposing 2020 ,		133
43	hSpry2 is targeted to the ubiquitin-dependent proteasome pathway by c-Cbl. <i>Current Biology</i> , 2003 , 13, 308-14	6.3	128
42	Structural Basis for the Non-catalytic Functions of Protein Kinases. <i>Structure</i> , 2016 , 24, 7-24	5.2	89
41	Structural analysis of the EGFR/HER3 heterodimer reveals the molecular basis for activating HER3 mutations. <i>Science Signaling</i> , 2014 , 7, ra114	8.8	79
40	Evolution of enhanced innate immune evasion by the SARS-CoV-2 B.1.1.7 UK variant 2021 ,		60
39	Actionable Activating Oncogenic ERBB2/HER2 Transmembrane and Juxtamembrane Domain Mutations. <i>Cancer Cell</i> , 2018 , 34, 792-806.e5	24.3	55
38	Prospects for pharmacological targeting of pseudokinases. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 501-526	64.1	51
37	Analysis of the Role of the C-Terminal Tail in the Regulation of the Epidermal Growth Factor Receptor. <i>Molecular and Cellular Biology</i> , 2015 , 35, 3083-102	4.8	47
36	Human ACE2 receptor polymorphisms and altered susceptibility to SARS-CoV-2. <i>Communications Biology</i> , 2021 , 4, 475	6.7	43
35	EGF and NRG induce phosphorylation of HER3/ERBB3 by EGFR using distinct oligomeric mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2836-E2845	11.5	42

34	Fragment binding to the Nsp3 macrodomain of SARS-CoV-2 identified through crystallographic screening and computational docking. <i>Science Advances</i> , 2021 , 7,	14.3	41
33	Phosphorylated EGFR Dimers Are Not Sufficient to Activate Ras. <i>Cell Reports</i> , 2018 , 22, 2593-2600	10.6	38
32	Receptor tyrosine kinase activation: From the ligand perspective. <i>Current Opinion in Cell Biology</i> , 2020 , 63, 174-185	9	34
31	Feedback regulation of RTK signaling in development. <i>Developmental Biology</i> , 2019 , 447, 71-89	3.1	34
30	Evolution of enhanced innate immune evasion by SARS-CoV-2.. <i>Nature</i> , 2021 ,	50.4	30
29	Functional role of PGAM5 multimeric assemblies and their polymerization into filaments. <i>Nature Communications</i> , 2019 , 10, 531	17.4	16
28	Activating HER3 mutations in breast cancer. <i>Oncotarget</i> , 2018 , 9, 27773-27788	3.3	16
27	Overexpression-mediated activation of MET in the Golgi promotes HER3/ERBB3 phosphorylation. <i>Oncogene</i> , 2019 , 38, 1936-1950	9.2	16
26	The pseudokinase TRIB1 toggles an intramolecular switch to regulate COP1 nuclear export. <i>EMBO Journal</i> , 2019 , 38,	13	15
25	More than the sum of the parts: Toward full-length receptor tyrosine kinase structures. <i>IUBMB Life</i> , 2019 , 71, 706-720	4.7	14
24	The crystal structure of the protein kinase HIPK2 reveals a unique architecture of its CMGC-insert region. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13545-13559	5.4	13
23	An International Multicenter Evaluation of Inheritance Patterns, Arrhythmic Risks, and Underlying Mechanisms of -Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2020 , 142, 932-947	16.7	12
22	PEAK3/C19orf35 pseudokinase, a new NFK3 kinase family member, inhibits Crkl through dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15495-15504	11.5	11
21	EGFR lung cancer mutants get specialized. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15169-70	11.5	10
20	CryoEM and AI reveal a structure of SARS-CoV-2 Nsp2, a multifunctional protein involved in key host processes 2021 ,		10
19	Structures of the HER2-HER3-NRG1 complex reveal a dynamic dimer interface. <i>Nature</i> , 2021 , 600, 339-343	50.4	8
18	Fragment Binding to the Nsp3 Macrodomain of SARS-CoV-2 Identified Through Crystallographic Screening and Computational Docking 2020 ,		6
17	A protein network map of head and neck cancer reveals PIK3CA mutant drug sensitivity. <i>Science</i> , 2021 , 374, eabf2911	33.3	6

16	The structure of a calsequestrin filament reveals mechanisms of familial arrhythmia. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 1142-1151	17.6	5
15	Regulation of Kinase Activity in the <i>Caenorhabditis elegans</i> EGF Receptor, LET-23. <i>Structure</i> , 2018 , 26, 270-281.e4	5.2	4
14	CryoEM and AI reveal a structure of SARS-CoV-2 Nsp2, a multifunctional protein involved in key host processes 2021 ,		4
13	Targetable HER3 functions driving tumorigenic signaling in HER2-amplified cancers.. <i>Cell Reports</i> , 2022 , 38, 110291	10.6	2
12	The structure of a calsequestrin filament reveals mechanisms of familial arrhythmia		2
11	Extensive conformational and physical plasticity protects HER2-HER3 tumorigenic signaling.. <i>Cell Reports</i> , 2022 , 38, 110285	10.6	1
10	A survey of the kinome pharmacopeia reveals multiple scaffolds and targets for the development of novel anthelmintics. <i>Scientific Reports</i> , 2021 , 11, 9161	4.9	1
9	State of the structure address on MET receptor activation by HGF. <i>Biochemical Society Transactions</i> , 2021 , 49, 645-661	5.1	1
8	Structures of the active HER2/HER3 receptor complex reveal dynamics at the dimerization interface induced by binding of a single ligand		1
7	Expression and purification of active human kinases using <i>Pichia pastoris</i> as a general-purpose host. <i>Protein Expression and Purification</i> , 2021 , 179, 105780	2	1
6	Structural basis for ALK2/BMP2 receptor complex signaling through kinase domain oligomerization. <i>Nature Communications</i> , 2021 , 12, 4950	17.4	1
5	CNPY4 inhibits the Hedgehog pathway by modulating membrane sterol lipids.. <i>Nature Communications</i> , 2022 , 13, 2407	17.4	1
4	Piquing our interest: Insights into the role of PEAK3 in signaling and disease.. <i>Science Signaling</i> , 2022 , 15, eabm9396	8.8	0
3	Switching on BTK-One Domain at a Time. <i>Structure</i> , 2017 , 25, 1469-1470	5.2	
2	Efficient expression, purification, and visualization by cryo-EM of unliganded near full-length HER3.. <i>Methods in Enzymology</i> , 2022 , 667, 611-632	1.7	
1	An effective strategy for ligand-mediated pulldown of the HER2/HER3/NRG1 heterocomplex and cryo-EM structure determination at low sample concentrations.. <i>Methods in Enzymology</i> , 2022 , 667, 633-662	1.7	