

# Natalia Jura

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

7,837  
citations

257450

24  
h-index

214800

47  
g-index

58  
all docs

58  
docs citations

58  
times ranked

14884  
citing authors

#	ARTICLE	IF	CITATIONS
1	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. <i>Nature</i> , 2020, 583, 459-468.	27.8	3,542
2	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. <i>Science</i> , 2020, 370, .	12.6	508
3	Mechanism for Activation of the EGF Receptor Catalytic Domain by the Juxtamembrane Segment. <i>Cell</i> , 2009, 137, 1293-1307.	28.9	506
4	Inhibition of the EGF receptor by binding of MIG6 to an activating kinase domain interface. <i>Nature</i> , 2007, 450, 741-744.	27.8	311
5	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, 21608-21613.	7.1	278
6	Catalytic Control in the EGF Receptor and Its Connection to General Kinase Regulatory Mechanisms. <i>Molecular Cell</i> , 2011, 42, 9-22.	9.7	265
7	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. <i>Biochemical Journal</i> , 2014, 457, 323-334.	3.7	241
8	Evolution of enhanced innate immune evasion by SARS-CoV-2. <i>Nature</i> , 2022, 602, 487-495.	27.8	237
9	hSpry2 Is Targeted to the Ubiquitin-Dependent Proteasome Pathway by c-Cbl. <i>Current Biology</i> , 2003, 13, 308-314.	3.9	136
10	Structural Basis for the Non-catalytic Functions of Protein Kinases. <i>Structure</i> , 2016, 24, 7-24.	3.3	131
11	Human ACE2 receptor polymorphisms and altered susceptibility to SARS-CoV-2. <i>Communications Biology</i> , 2021, 4, 475.	4.4	126
12	Receptor tyrosine kinase activation: From the ligand perspective. <i>Current Opinion in Cell Biology</i> , 2020, 63, 174-185.	5.4	109
13	Actionable Activating Oncogenic ERBB2/HER2 Transmembrane and Juxtamembrane Domain Mutations. <i>Cancer Cell</i> , 2018, 34, 792-806.e5.	16.8	102
14	Fragment binding to the Nsp3 macrodomain of SARS-CoV-2 identified through crystallographic screening and computational docking. <i>Science Advances</i> , 2021, 7, .	10.3	100
15	Structural analysis of the EGFR/HER3 heterodimer reveals the molecular basis for activating HER3 mutations. <i>Science Signaling</i> , 2014, 7, ra114.	3.6	98
16	Prospects for pharmacological targeting of pseudokinases. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 501-526.	46.4	83
17	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, 3083-3102.	2.3	74
18	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.	7.1	63

#	ARTICLE	IF	CITATIONS
19	Phosphorylated EGFR Dimers Are Not Sufficient to Activate Ras. <i>Cell Reports</i> , 2018, 22, 2593-2600.	6.4	62
20	Feedback regulation of RTK signaling in development. <i>Developmental Biology</i> , 2019, 447, 71-89.	2.0	53
21	Structures of the HER2-HER3-NRG1 <sup>2</sup> complex reveal a dynamic dimer interface. <i>Nature</i> , 2021, 600, 339-343.	27.8	48
22	An International Multicenter Evaluation of Inheritance Patterns, Arrhythmic Risks, and Underlying Mechanisms of <i>CASQ2</i> -Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2020, 142, 932-947.	1.6	44
23	A protein network map of head and neck cancer reveals PIK3CA mutant drug sensitivity. <i>Science</i> , 2021, 374, eabf2911.	12.6	37
24	The pseudokinase <i>TRIB1</i> toggles an intramolecular switch to regulate <i>COP1</i> nuclear export. <i>EMBO Journal</i> , 2019, 38, .	7.8	31
25	Functional role of PGAM5 multimeric assemblies and their polymerization into filaments. <i>Nature Communications</i> , 2019, 10, 531.	12.8	30
26	Overexpression-mediated activation of MET in the Golgi promotes HER3/ERBB3 phosphorylation. <i>Oncogene</i> , 2019, 38, 1936-1950.	5.9	23
27	Activating HER3 mutations in breast cancer. <i>Oncotarget</i> , 2018, 9, 27773-27788.	1.8	23
28	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.	3.4	22
29	More than the sum of the parts: Toward full-length receptor tyrosine kinase structures. <i>IUBMB Life</i> , 2019, 71, 706-720.	3.4	20
30	Therapeutic implications of activating noncanonical PIK3CA mutations in head and neck squamous cell carcinoma. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	20
31	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.	7.1	19
32	Structural basis for ALK2/BMPR2 receptor complex signaling through kinase domain oligomerization. <i>Nature Communications</i> , 2021, 12, 4950.	12.8	15
33	The structure of a calsequestrin filament reveals mechanisms of familial arrhythmia. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1142-1151.	8.2	13
34	EGFR lung cancer mutants get specialized. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15169-15170.	7.1	12
35	Targetable HER3 functions driving tumorigenic signaling in HER2-amplified cancers. <i>Cell Reports</i> , 2022, 38, 110291.	6.4	7
36	Extensive conformational and physical plasticity protects HER2-HER3 tumorigenic signaling. <i>Cell Reports</i> , 2022, 38, 110285.	6.4	7

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37	Regulation of Kinase Activity in the <i>Caenorhabditis elegans</i> EGF Receptor, LET-23. <i>Structure</i> , 2018, 26, 270-281.e4.	3.3	5
38	A survey of the kinome pharmacopeia reveals multiple scaffolds and targets for the development of novel anthelmintics. <i>Scientific Reports</i> , 2021, 11, 9161.	3.3	5
39	State of the structure address on MET receptor activation by HGF. <i>Biochemical Society Transactions</i> , 2021, 49, 645-661.	3.4	5
40	Piquing our interest: Insights into the role of PEAK3 in signaling and disease. <i>Science Signaling</i> , 2022, 15, eabm9396.	3.6	3
41	CNPY4 inhibits the Hedgehog pathway by modulating membrane sterol lipids. <i>Nature Communications</i> , 2022, 13, 2407.	12.8	3
42	Mutant HER2 needs mutant HER3 to be an effective oncogene. <i>Cell Reports Medicine</i> , 2021, 2, 100361.	6.5	2
43	An effective strategy for ligand-mediated pulldown of the HER2/HER3/NRG1 <sup>Δ2</sup> heterocomplex and cryo-EM structure determination at low sample concentrations. <i>Methods in Enzymology</i> , 2022, 667, 633-662.	1.0	2
44	Switching on BTK's One Domain at a Time. <i>Structure</i> , 2017, 25, 1469-1470.	3.3	1
45	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.	1.3	1
46	Efficient expression, purification, and visualization by cryo-EM of unliganded near full-length HER3. <i>Methods in Enzymology</i> , 2022, 667, 611-632.	1.0	0