

# Carrow I Wells

## List of Publications by Year in descending order

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44  
papers

1,446  
citations

430874

18  
h-index

395702

33  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative, Wide-Spectrum Kinase Profiling in Live Cells for Assessing the Effect of Cellular ATP on Target Engagement. <i>Cell Chemical Biology</i> , 2018, 25, 206-214.e11.	5.2	197
2	Progress towards a public chemogenomic set for protein kinases and a call for contributions. <i>PLoS ONE</i> , 2017, 12, e0181585.	2.5	131
3	Donated chemical probes for open science. <i>ELife</i> , 2018, 7, .	6.0	80
4	WNT Activates the AAK1 Kinase to Promote Clathrin-Mediated Endocytosis of LRP6 and Establish a Negative Feedback Loop. <i>Cell Reports</i> , 2019, 26, 79-93.e8.	6.4	68
5	Covalent inhibitors of EGFR family protein kinases induce degradation of human Tribbles 2 (TRIB2) pseudokinase in cancer cells. <i>Science Signaling</i> , 2018, 11, .	3.6	66
6	Quantifying CDK inhibitor selectivity in live cells. <i>Nature Communications</i> , 2020, 11, 2743.	12.8	64
7	The Kinase Chemogenomic Set (KCGS): An Open Science Resource for Kinase Vulnerability Identification. <i>International Journal of Molecular Sciences</i> , 2021, 22, 566.	4.1	62
8	Development of a potent and selective chemical probe for the pleiotropic kinase CK2. <i>Cell Chemical Biology</i> , 2021, 28, 546-558.e10.	5.2	62
9	Fragment-based discovery of a chemical probe for the PWWP1 domain of NSD3. <i>Nature Chemical Biology</i> , 2019, 15, 822-829.	8.0	59
10	SGC-GAK-1: A Chemical Probe for Cyclin G Associated Kinase (GAK). <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2830-2836.	6.4	56
11	Identification and Optimization of 4-Anilinoquinolines as Inhibitors of Cyclin G Associated Kinase. <i>ChemMedChem</i> , 2018, 13, 48-66.	3.2	51
12	Crowdsourced mapping of unexplored target space of kinase inhibitors. <i>Nature Communications</i> , 2021, 12, 3307.	12.8	41
13	E2F1 proteolysis via SCF cyclin F underlies synthetic lethality between cyclin F loss and Chk1 inhibition. <i>EMBO Journal</i> , 2019, 38, e101443.	7.8	40
14	SGC-AAK1-1: A Chemical Probe Targeting AAK1 and BMP2K. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 340-345.	2.8	35
15	Design of a Cyclin G Associated Kinase (GAK)/Epidermal Growth Factor Receptor (EGFR) Inhibitor Set to Interrogate the Relationship of EGFR and GAK in Chordoma. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4772-4778.	6.4	34
16	New tools for evaluating protein tyrosine sulfation: tyrosylprotein sulfotransferases (TPSTs) are novel targets for RAF protein kinase inhibitors. <i>Biochemical Journal</i> , 2018, 475, 2435-2455.	3.7	33
17	Defining the Neural Kinome: Strategies and Opportunities for Small Molecule Drug Discovery to Target Neurodegenerative Diseases. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1871-1886.	3.5	27
18	Hinge Binder Scaffold Hopping Identifies Potent Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CAMKK2) Inhibitor Chemotypes. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10849-10877.	6.4	22

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19	In Depth Analysis of Kinase Cross Screening Data to Identify CAMKK2 Inhibitory Scaffolds. <i>Molecules</i> , 2020, 25, 325.	3.8	22
20	Structural characterization of human Vaccinia-Related Kinases (VRK) bound to small-molecule inhibitors identifies different P-loop conformations. <i>Scientific Reports</i> , 2017, 7, 7501.	3.3	21
21	Identification of Pyrimidine-Based Lead Compounds for Understudied Kinases Implicated in Driving Neurodegeneration. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1313-1328.	6.4	20
22	Design and Analysis of the 4-Anilinoquinazoline Kinase Inhibition Profiles of GAK/SLK/STK10 Using Quantitative Structure-Activity Relationships. <i>ChemMedChem</i> , 2020, 15, 26-49.	3.2	18
23	In depth analysis of kinase cross screening data to identify chemical starting points for inhibition of the Nek family of kinases. <i>MedChemComm</i> , 2018, 9, 44-66.	3.4	17
24	New tools for carbohydrate sulfation analysis: heparan sulfate 2-O-sulfotransferase (HS2ST) is a target for small-molecule protein kinase inhibitors. <i>Biochemical Journal</i> , 2021, 475, 2417-2433.	3.7	17
25	A Chemical Probe for Dark Kinase STK17B Derives Its Potency and High Selectivity through a Unique P-Loop Conformation. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 14626-14646.	6.4	17
26	Non-canonical role of Hippo tumor suppressor serine/threonine kinase 3 STK3 in prostate cancer. <i>Molecular Therapy</i> , 2022, 30, 485-500.	8.2	17
27	Binding and structural analyses of potent inhibitors of the human Ca <sup>2+</sup> /calmodulin dependent protein kinase kinase 2 (CAMKK2) identified from a collection of commercially-available kinase inhibitors. <i>Scientific Reports</i> , 2019, 9, 16452.	3.3	16
28	Towards the Development of an In vivo Chemical Probe for Cyclin G Associated Kinase (GAK). <i>Molecules</i> , 2019, 24, 4016.	3.8	16
29	Host Kinase CSNK2 is a Target for Inhibition of Pathogenic SARS-like $\beta$ -Coronaviruses. <i>ACS Chemical Biology</i> , 2022, 17, 1937-1950.	3.4	16
30	A Perspective on Extreme Open Science: Companies Sharing Compounds without Restriction. <i>SLAS Discovery</i> , 2019, 24, 505-514.	2.7	13
31	Application of Integrated Drug Screening/Kinome Analysis to Identify Inhibitors of Gemcitabine-Resistant Pancreatic Cancer Cell Growth. <i>SLAS Discovery</i> , 2018, 23, 850-861.	2.7	11
32	NEK5 activity regulates the mesenchymal and migratory phenotype in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2021, 189, 49-61.	2.5	10
33	Targeting the Water Network in Cyclin G Associated Kinase (GAK) with 4-Anilinoquinazoline Inhibitors. <i>ChemMedChem</i> , 2020, 15, 1200-1215.	3.2	9
34	New Insights into 4-Anilinoquinazolines as Inhibitors of Cardiac Troponin Interacting Kinase (TNNi3K). <i>Molecules</i> , 2020, 25, 1697.	3.8	7
35	Temozolomide-induced guanine mutations create exploitable vulnerabilities of guanine-rich DNA and RNA regions in drug-resistant gliomas. <i>Science Advances</i> , 2022, 8, .	10.3	7
36	PKIS deep dive yields a chemical starting point for dark kinases and a cell active BRSK2 inhibitor. <i>Scientific Reports</i> , 2020, 10, 15826.	3.3	6

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37	Novel application of the published kinase inhibitor set to identify therapeutic targets and pathways in triple negative breast cancer subtypes. PLoS ONE, 2017, 12, e0177802.	2.5	6
38	Targeting Never-In-Mitosis-A Related Kinase 5 in Cancer: A Review. Current Medicinal Chemistry, 2021, 28, 6096-6109.	2.4	5
39	AD Informer Set: Chemical tools to facilitate Alzheimer's disease drug discovery. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, e12246.	3.7	4
40	Towards a RIOK2 chemical probe: cellular potency improvement of a selective 2-(acylamino)pyridine series. RSC Medicinal Chemistry, 2021, 12, 129-136.	3.9	3
41	Use of AD Informer Set compounds to explore validity of novel targets in Alzheimer's disease pathology. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, e12253.	3.7	3
42	Identification of 4-anilinoquinoline as a cell active Protein Kinase Novel 3 (PKN3) inhibitor chemotype. ChemMedChem, 2022, , .	3.2	2
43	A novel screening approach comparing kinase activity of small molecule inhibitors with similar molecular structures and distinct biologic effects in triple-negative breast cancer to identify targetable signaling pathways. Anti-Cancer Drugs, 2020, 31, 759-775.	1.4	0
44	A Transcription-uncoupled Negative Feedback Loop for the 1 WNT Pathway: WNT Activates the AAK1 Kinase to Promote Clathrin-mediated Endocytosis of LRP6. SSRN Electronic Journal, 0, , .	0.4	0