Nathanael S Gray

List of Publications by Year
in descending order

395 papers	50,309 citations	1535 106 h-index	1980 206 g-index
437 all docs	437 docs citations	437 times ranked	59333 citing authors

#	Article	IF	Citations
1	A Next Generation Connectivity Map: L1000 Platform and the First 1,000,000 Profiles. Cell, 2017, 171, 1437-1452.e17.	28.9	2,281
2	Targeting cancer with small molecule kinase inhibitors. Nature Reviews Cancer, 2009, 9, 28-39.	28.4	2,278
3	An ATP-competitive Mammalian Target of Rapamycin Inhibitor Reveals Rapamycin-resistant Functions of mTORC1. Journal of Biological Chemistry, 2009, 284, 8023-8032.	3.4	1,545
4	A Landscape of Pharmacogenomic Interactions in Cancer. Cell, 2016, 166, 740-754.	28.9	1,518
5	DEPTOR Is an mTOR Inhibitor Frequently Overexpressed in Multiple Myeloma Cells and Required for Their Survival. Cell, 2009, 137, 873-886.	28.9	1,055
6	A chemical switch for inhibitor-sensitive alleles of any protein kinase. Nature, 2000, 407, 395-401.	27.8	1,001
7	Rational design of inhibitors that bind to inactive kinase conformations. Nature Chemical Biology, 2006, 2, 358-364.	8.0	985
8	EML4-ALKFusion Gene and Efficacy of an ALK Kinase Inhibitor in Lung Cancer. Clinical Cancer Research, 2008, 14, 4275-4283.	7.0	916
9	Novel mutant-selective EGFR kinase inhibitors against EGFR T790M. Nature, 2009, 462, 1070-1074.	27.8	886
10	Activating mutations in ALK provide a therapeutic target in neuroblastoma. Nature, 2008, 455, 975-978.	27.8	775
11	YY1 Is a Structural Regulator of Enhancer-Promoter Loops. Cell, 2017, 171, 1573-1588.e28.	28.9	749
12	Systematic Identification of Culture Conditions for Induction and Maintenance of Naive Human Pluripotency. Cell Stem Cell, 2014, 15, 471-487.	11.1	702
13	Targeting transcription regulation in cancer with a covalent CDK7 inhibitor. Nature, 2014, 511, 616-620.	27.8	698
14	The promise and peril of chemical probes. Nature Chemical Biology, 2015, 11, 536-541.	8.0	698
15	Kinase inhibitors: the road ahead. Nature Reviews Drug Discovery, 2018, 17, 353-377.	46.4	679
16	The dTAG system for immediate and target-specific protein degradation. Nature Chemical Biology, 2018, 14, 431-441.	8.0	629
17	Developing Irreversible Inhibitors of the Protein Kinase Cysteinome. Chemistry and Biology, 2013, 20, 146-159.	6.0	563
18	A Novel ALK Secondary Mutation and EGFR Signaling Cause Resistance to ALK Kinase Inhibitors. Cancer Research, 2011, 71, 6051-6060.	0.9	560

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19	Sphingosine 1-Phosphate (S1P) Receptor Subtypes S1P1 and S1P3, Respectively, Regulate Lymphocyte Recirculation and Heart Rate. Journal of Biological Chemistry, 2004, 279, 13839-13848.	3.4	559
20	Targeting Bcrâ€“Abl by combining allosteric with ATP-binding-site inhibitors. Nature, 2010, 463, 501-506.	27.8	525
21	CDK4/6 Inhibition Augments Antitumor Immunity by Enhancing T-cell Activation. Cancer Discovery, 2018, 8, 216-233.	9.4	503
22	CDK7 Inhibition Suppresses Super-Enhancer-Linked Oncogenic Transcription in MYCN-Driven Cancer. Cell, 2014, 159, 1126-1139.	28.9	498
23	Mutations in the DDR2 Kinase Gene Identify a Novel Therapeutic Target in Squamous Cell Lung Cancer. Cancer Discovery, 2011, 1, 78-89.	9.4	455
24	In silico activity profiling reveals the mechanism of action of antimalarials discovered in a high-throughput screen. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9059-9064.	7.1	400
25	Plasticity in binding confers selectivity in ligand-induced protein degradation. Nature Chemical Biology, 2018, 14, 706-714.	8.0	391
26	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. Nature Chemical Biology, 2016, 12, 452-458.	8.0	389
27	Characterization of a selective inhibitor of the Parkinson's disease kinase LRRK2. Nature Chemical Biology, 2011, 7, 203-205.	8.0	380
28	Targeting Transcriptional Addictions in Small Cell Lung Cancer with a Covalent CDK7 Inhibitor. Cancer Cell, 2014, 26, 909-922.	16.8	376
29	Pharmacological perturbation of CDK9 using selective CDK9 inhibition or degradation. Nature Chemical Biology, 2018, 14, 163-170.	8.0	376
30	Activation of tyrosine kinases by mutation of the gatekeeper threonine. Nature Structural and Molecular Biology, 2008, 15, 1109-1118.	8.2	366
31	Synthesis, Structureâ€“Activity Relationships, and in Vivo Efficacy of the Novel Potent and Selective Anaplastic Lymphoma Kinase (ALK) Inhibitor 5-Chloro-N2-(2-isopropoxy-5-methyl-4-(piperidin-4-yl)phenyl)-N4-(2-(isopropylsulfonyl)phenyl)pyrimidine-2,4-diamine (LDK378) Currently in Phase 1 and Phase 2 Clinical Trials. Journal of Medicinal Chemistry, 2013, 56, 5675-5690.	6.4	363
32	Identification of NVP-TAE684, a potent, selective, and efficacious inhibitor of NPM-ALK. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 270-275.	7.1	348
33	BET Bromodomain Proteins Function as Master Transcription Elongation Factors Independent of CDK9 Recruitment. Molecular Cell, 2017, 67, 5-18.e19.	9.7	347
34	CDK7-Dependent Transcriptional Addiction in Triple-Negative Breast Cancer. Cell, 2015, 163, 174-186.	28.9	346
35	Inhibitor-Sensitive FGFR1 Amplification in Human Non-Small Cell Lung Cancer. PLoS ONE, 2011, 6, e20351.	2.5	338
36	Exploration of Type II Binding Mode: A Privileged Approach for Kinase Inhibitor Focused Drug Discovery?. ACS Chemical Biology, 2014, 9, 1230-1241.	3.4	337

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37	Identification of genotype-correlated sensitivity to selective kinase inhibitors by using high-throughput tumor cell line profiling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19936-19941.	7.1	334
38	The Library of Integrated Network-Based Cellular Signatures NIH Program: System-Level Cataloging of Human Cells Response to Perturbations. Cell Systems, 2018, 6, 13-24.	6.2	327
39	EGFR Mutations and Resistance to Irreversible Pyrimidine-Based EGFR Inhibitors. Clinical Cancer Research, 2015, 21, 3913-3923.	7.0	318
40	A Chemoproteomic Approach to Query the Degradable Kinome Using a Multi-kinase Degrader. Cell Chemical Biology, 2018, 25, 88-99.e6.	5.2	313
41	A mutation in MYD88 (L265P) supports the survival of lymphoplasmacytic cells by activation of Bruton tyrosine kinase in WaldenstrÃ¶m macroglobulinemia. Blood, 2013, 122, 1222-1232.	1.4	306
42	In Situ Kinase Profiling Reveals Functionally Relevant Properties of Native Kinases. Chemistry and Biology, 2011, 18, 699-710.	6.0	292
43	Discovery of Potent and Selective Covalent Inhibitors of JNK. Chemistry and Biology, 2012, 19, 140-154.	6.0	286
44	Partitioning of cancer therapeutics in nuclear condensates. Science, 2020, 368, 1386-1392.	12.6	281
45	Pharmacological targeting of kinases MST1 and MST2 augments tissue repair and regeneration. Science Translational Medicine, 2016, 8, 352ra108.	12.4	271
46	Screening of DUB activity and specificity by MALDI-TOF mass spectrometry. Nature Communications, 2014, 5, 4763.	12.8	269
47	Treatment-Induced Tumor Dormancy through YAP-Mediated Transcriptional Reprogramming of the Apoptotic Pathway. Cancer Cell, 2020, 37, 104-122.e12.	16.8	267
48	A non-canonical SWI/SNF complex is a synthetic lethal target in cancers driven by BAF complex perturbation. Nature Cell Biology, 2018, 20, 1410-1420.	10.3	265
49	Therapeutic Targeting of Oncogenic Kâ€Ras by a Covalent Catalytic Site Inhibitor. Angewandte Chemie - International Edition, 2014, 53, 199-204.	13.8	262
50	Reactivation of ERK Signaling Causes Resistance to EGFR Kinase Inhibitors. Cancer Discovery, 2012, 2, 934-947.	9.4	255
51	Covalent targeting of remote cysteine residues to develop CDK12 and CDK13 inhibitors. Nature Chemical Biology, 2016, 12, 876-884.	8.0	249
52	Structure of the Human cGASâ€“DNA Complex Reveals Enhanced Control of Immune Surveillance. Cell, 2018, 174, 300-311.e11.	28.9	244
53	Oncogenic PIK3CA-driven mammary tumors frequently recur via PI3K pathwayâ€“dependent and PI3K pathwayâ€“independent mechanisms. Nature Medicine, 2011, 17, 1116-1120.	30.7	231
54	YAP Drives Growth by Controlling Transcriptional Pause Release from Dynamic Enhancers. Molecular Cell, 2015, 60, 328-337.	9.7	228

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55	The ins and outs of selective kinase inhibitor development. Nature Chemical Biology, 2015, 11, 818-821.	8.0	220
56	Single and Dual Targeting of Mutant EGFR with an Allosteric Inhibitor. Cancer Discovery, 2019, 9, 926-943.	9.4	220
57	A Quantitative Tissue-Specific Landscape of Protein Redox Regulation during Aging. Cell, 2020, 180, 968-983.e24.	28.9	220
58	Combined EGFR/MEK Inhibition Prevents the Emergence of Resistance in EGFR-Mutant Lung Cancer. Cancer Discovery, 2015, 5, 960-971.	9.4	211
59	Phosphorylation of CRTC3 by the salt-inducible kinases controls the interconversion of classically activated and regulatory macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16986-16991.	7.1	210
60	Discovery of 1-(4-(4-Propionylpiperazin-1-yl)-3-(trifluoromethyl)phenyl)-9-(quinolin-3-yl)benzo[h][1,6]naphthyridin-2(1H)-one as a Highly Potent, Selective Mammalian Target of Rapamycin (mTOR) Inhibitor for the Treatment of Cancer. Journal of Medicinal Chemistry, 2010, 53, 7146-7155.	6.4	208
61	Gene expression signatures and small-molecule compounds link a protein kinase to Plasmodium falciparum motility. Nature Chemical Biology, 2008, 4, 347-356.	8.0	203
62	Small-molecule kinase inhibitors provide insight into Mps1 cell cycle function. Nature Chemical Biology, 2010, 6, 359-368.	8.0	201
63	Allele-Specific Chromatin Recruitment and Therapeutic Vulnerabilities of ESR1 Activating Mutations. Cancer Cell, 2018, 33, 173-186.e5.	16.8	201
64	High-throughput kinase profiling as a platform for drug discovery. Nature Reviews Drug Discovery, 2008, 7, 391-397.	46.4	198
65	The Evolving War on Cancer. Cell, 2011, 145, 19-24.	28.9	197
66	Discovery of 9-(6-Aminopyridin-3-yl)-1-(3-(trifluoromethyl)phenyl)benzo[h][1,6]naphthyridin-2(1H)-one (Torin2) as a Potent, Selective, and Orally Available Mammalian Target of Rapamycin (mTOR) Inhibitor for Treatment of Cancer. Journal of Medicinal Chemistry, 2011, 54, 1473-1480.	6.4	195
67	In situ selectivity profiling and crystal structure of SML-8-73-1, an active site inhibitor of oncogenic K-Ras G12C. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8895-8900.	7.1	193
68	Homolog-Selective Degradation as a Strategy to Probe the Function of CDK6 in AML. Cell Chemical Biology, 2019, 26, 300-306.e9.	5.2	188
69	A unique inhibitor binding site in ERK1/2 is associated with slow binding kinetics. Nature Chemical Biology, 2014, 10, 853-860.	8.0	187
70	Targeted degradation of aberrant tau in frontotemporal dementia patient-derived neuronal cell models. ELife, 2019, 8, .	6.0	184
71	Small molecule modulators of antioxidant response pathway. Current Opinion in Chemical Biology, 2011, 15, 162-173.	6.1	182
72	Exploring Targeted Degradation Strategy for Oncogenic KRASG12C. Cell Chemical Biology, 2020, 27, 19-31.e6.	5.2	182

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73	A Combinatorial Scaffold Approach toward Kinase-Directed Heterocycle Libraries. Journal of the American Chemical Society, 2002, 124, 1594-1596.	13.7	181
74	Pharmacological Inhibition of BMK1 Suppresses Tumor Growth through Promyelocytic Leukemia Protein. Cancer Cell, 2010, 18, 258-267.	16.8	181
75	Development of Dual and Selective Degraders of Cyclinâ€Dependent Kinases 4 and 6. Angewandte Chemie - International Edition, 2019, 58, 6321-6326.	13.8	179
76	Functional TRIM24 degrader via conjugation of ineffectual bromodomain and VHL ligands. Nature Chemical Biology, 2018, 14, 405-412.	8.0	176
77	An efficient rapid system for profiling the cellular activities of molecular libraries. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3153-3158.	7.1	173
78	Resistance to Irreversible EGF Receptor Tyrosine Kinase Inhibitors through a Multistep Mechanism Involving the IGF1R Pathway. Cancer Research, 2013, 73, 834-843.	0.9	171
79	Characterization of Torin2, an ATP-Competitive Inhibitor of mTOR, ATM, and ATR. Cancer Research, 2013, 73, 2574-2586.	0.9	170
80	Mapping the Degradable Kinome Provides a Resource for Expedited Degrader Development. Cell, 2020, 183, 1714-1731.e10.	28.9	163
81	Pharmacological targeting of the pseudokinase Her3. Nature Chemical Biology, 2014, 10, 1006-1012.	8.0	161
82	CDK12 loss in cancer cells affects DNA damage response genes through premature cleavage and polyadenylation. Nature Communications, 2019, 10, 1757.	12.8	159
83	Development of covalent inhibitors that can overcome resistance to first-generation FGFR kinase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4869-77.	7.1	154
84	Inhibitor-Sensitive FGFR2 and FGFR3 Mutations in Lung Squamous Cell Carcinoma. Cancer Research, 2013, 73, 5195-5205.	0.9	153
85	mTOR mediated anti-cancer drug discovery. Drug Discovery Today: Therapeutic Strategies, 2009, 6, 47-55.	0.5	146
86	Salt-Inducible Kinase 2 Couples Ovarian Cancer Cell Metabolism with Survival at the Adipocyte-Rich Metastatic Niche. Cancer Cell, 2016, 30, 273-289.	16.8	143
87	An Embryonic Diapause-like Adaptation with Suppressed Myc Activity Enables Tumor Treatment Persistence. Cancer Cell, 2021, 39, 240-256.e11.	16.8	143
88	A public-private partnership to unlock the untargeted kinome. Nature Chemical Biology, 2013, 9, 3-6.	8.0	141
89	Chemically Induced Degradation of Anaplastic Lymphoma Kinase (ALK). Journal of Medicinal Chemistry, 2018, 61, 4249-4255.	6.4	141
90	Light-induced control of protein destruction by opto-PROTAC. Science Advances, 2020, 6, eaay5154.	10.3	139

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91	A General Strategy for Creating â€œInactive-Conformationâ€•Abl Inhibitors. Chemistry and Biology, 2006, 13, 779-786.	6.0	138
92	GSK2578215A; A potent and highly selective 2-arylmethyloxy-5-substitutent-N-arylbenzamide LRRK2 kinase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5625-5629.	2.2	138
93	CDK7 Inhibition Potentiates Genome Instability Triggering Anti-tumor Immunity in Small Cell Lung Cancer. Cancer Cell, 2020, 37, 37-54.e9.	16.8	138
94	Structural complementarity facilitates E7820-mediated degradation of RBM39 by DCAF15. Nature Chemical Biology, 2020, 16, 7-14.	8.0	136
95	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. Nature Communications, 2014, 5, 4535.	12.8	131
96	Progress towards a public chemogenomic set for protein kinases and a call for contributions. PLoS ONE, 2017, 12, e0181585.	2.5	131
97	Rapid and direct control of target protein levels with VHL-recruiting dTAG molecules. Nature Communications, 2020, 11, 4687.	12.8	129
98	Synthesis and Target Identification of Hymenialdisine Analogs. Chemistry and Biology, 2004, 11, 247-259.	6.0	128
99	A Structure-Guided Approach to Creating Covalent FGFR Inhibitors. Chemistry and Biology, 2010, 17, 285-295.	6.0	127
100	Targeted degradation of BRD9 reverses oncogenic gene expression in synovial sarcoma. ELife, 2018, 7, .	6.0	125
101	SIKs control osteocyte responses to parathyroid hormone. Nature Communications, 2016, 7, 13176.	12.8	124
102	Small molecule degraders of the hepatitis C virus protease reduce susceptibility to resistance mutations. Nature Communications, 2019, 10, 3468.	12.8	124
103	A Monoselective Sphingosine-1-Phosphate Receptor-1 Agonist Prevents Allograft Rejection in a Stringent Rat Heart Transplantation Model. Chemistry and Biology, 2006, 13, 1227-1234.	6.0	123
104	Inhibiting fungal multidrug resistance by disrupting an activatorâ€“Mediator interaction. Nature, 2016, 530, 485-489.	27.8	120
105	Small-molecule targeting of brachyury transcription factor addiction in chordoma. Nature Medicine, 2019, 25, 292-300.	30.7	120
106	Brain Penetrant LRRK2 Inhibitor. ACS Medicinal Chemistry Letters, 2012, 3, 658-662.	2.8	119
107	Discovery of a Potent and Selective DDR1 Receptor Tyrosine Kinase Inhibitor. ACS Chemical Biology, 2013, 8, 2145-2150.	3.4	119
108	Bruton tyrosine kinase degradation as a therapeutic strategy for cancer. Blood, 2019, 133, 952-961.	1.4	117

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109	EWS/FLI Confers Tumor Cell Synthetic Lethality to CDK12 Inhibition in Ewing Sarcoma. Cancer Cell, 2018, 33, 202-216.e6.	16.8	116
110	Pharmacological enhancement of KCC2 gene expression exerts therapeutic effects on human Rett syndrome neurons and Mecp2 mutant mice. Science Translational Medicine, 2019, 11, .	12.4	111
111	Recent Advances in Selective and Irreversible Covalent Ligand Development and Validation. Cell Chemical Biology, 2019, 26, 1486-1500.	5.2	110
112	Potent and Selective Covalent Quinazoline Inhibitors of KRAS G12C. Cell Chemical Biology, 2017, 24, 1005-1016.e3.	5.2	109
113	Targeting MYC dependency in ovarian cancer through inhibition of CDK7 and CDK12/13. ELife, 2018, 7, .	6.0	109
114	EPHA2 Is a Mediator of Vemurafenib Resistance and a Novel Therapeutic Target in Melanoma. Cancer Discovery, 2015, 5, 274-287.	9.4	107
115	High-Throughput Kinase Profiling: A More Efficient Approach toward the Discovery of New Kinase Inhibitors. Chemistry and Biology, 2011, 18, 868-879.	6.0	105
116	MELK is an oncogenic kinase essential for mitotic progression in basal-like breast cancer cells. ELife, 2014, 3, e01763.	6.0	104
117	Development of a Selective CDK7 Covalent Inhibitor Reveals Predominant Cell-Cycle Phenotype. Cell Chemical Biology, 2019, 26, 792-803.e10.	5.2	103
118	The PP2A-Integrator-CDK9 axis fine-tunes transcription and can be targeted therapeutically in cancer. Cell, 2021, 184, 3143-3162.e32.	28.9	103
119	Repurposing of Kinase Inhibitors for Treatment of COVID-19. Pharmaceutical Research, 2020, 37, 167.	3.5	102
120	Genetic and pharmacologic inhibition of EPHA2 promotes apoptosis in NSCLC. Journal of Clinical Investigation, 2014, 124, 2037-2049.	8.2	102
121	Targeting Pin1 renders pancreatic cancer eradicable by synergizing with immunochemotherapy. Cell, 2021, 184, 4753-4771.e27.	28.9	99
122	EPHA2 Blockade Overcomes Acquired Resistance to EGFR Kinase Inhibitors in Lung Cancer. Cancer Research, 2016, 76, 305-318.	0.9	98
123	Suppression of Adaptive Responses to Targeted Cancer Therapy by Transcriptional Repression. Cancer Discovery, 2018, 8, 59-73.	9.4	96
124	Identification of Human Kinases Involved in Hepatitis C Virus Replication by Small Interference RNA Library Screening. Journal of Biological Chemistry, 2008, 283, 29-36.	3.4	95
125	FLT3 inhibition and mechanisms of drug resistance in mutant FLT3-positive AML. Drug Resistance Updates, 2009, 12, 81-89.	14.4	95
126	SRPKIN-1: A Covalent SRPK1/2 Inhibitor that Potently Converts VEGF from Pro-angiogenic to Anti-angiogenic Isoform. Cell Chemical Biology, 2018, 25, 460-470.e6.	5.2	95

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127	Development of Selective Covalent Janus Kinase 3 Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 6589-6606.	6.4	94
128	HCK is a survival determinant transactivated by mutated MYD88, and a direct target of ibrutinib. Blood, 2016, 127, 3237-3252.	1.4	93
129	Kinome-wide Selectivity Profiling of ATP-competitive Mammalian Target of Rapamycin (mTOR) Inhibitors and Characterization of Their Binding Kinetics. Journal of Biological Chemistry, 2012, 287, 9742-9752.	3.4	89
130	Protein kinase IKKÎ²-catalyzed phosphorylation of IRF5 at Ser462 induces its dimerization and nuclear translocation in myeloid cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17432-17437.	7.1	89
131	Inhibition of USP10 induces degradation of oncogenic FLT3. Nature Chemical Biology, 2017, 13, 1207-1215.	8.0	89
132	BORIS promotes chromatin regulatory interactions in treatment-resistant cancer cells. Nature, 2019, 572, 676-680.	27.8	89
133	ER Stress Signaling Promotes the Survival of Cancer â€œPersister Cellsâ€•Tolerant to EGFR Tyrosine Kinase Inhibitors. Cancer Research, 2018, 78, 1044-1057.	0.9	87
134	MELK is not necessary for the proliferation of basal-like breast cancer cells. ELife, 2017, 6, .	6.0	86
135	Systematic analysis of <scp>BRAF^V</scp>^{600E} melanomas reveals a role for <scp>JNK</scp>/câ€Jun pathway in adaptive resistance to drugâ€induced apoptosis. Molecular Systems Biology, 2015, 11, 797.	7.2	84
136	Discovery of an AKT Degrader with Prolonged Inhibition of Downstream Signaling. Cell Chemical Biology, 2020, 27, 66-73.e7.	5.2	84
137	Selective Mediator dependence of cell-type-specifying transcription. Nature Genetics, 2020, 52, 719-727.	21.4	84
138	Discovery of a selective inhibitor of doublecortin like kinase 1. Nature Chemical Biology, 2020, 16, 635-643.	8.0	84
139	Characterization of TAE684 as a potent LRRK2 kinase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1864-1869.	2.2	80
140	The kinase ALK stimulates the kinase ERK5 to promote the expression of the oncogene MYCN in neuroblastoma. Science Signaling, 2014, 7, ra102.	3.6	80
141	CDK13 cooperates with CDK12 to control global RNA polymerase II processivity. Science Advances, 2020, 6, .	10.3	79
142	Discovery and structural analysis of Eph receptor tyrosine kinase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4467-4470.	2.2	77
143	Structural Mechanisms Determining Inhibition of the Collagen Receptor DDR1 by Selective and Multi-Targeted Type II Kinase Inhibitors. Journal of Molecular Biology, 2014, 426, 2457-2470.	4.2	77
144	Activation of HIPK2 Promotes ER Stress-Mediated Neurodegeneration in Amyotrophic Lateral Sclerosis. Neuron, 2016, 91, 41-55.	8.1	75

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145	Mutantâ€Selective Allosteric EGFR Degraders are Effective Against a Broad Range of Drugâ€Resistant Mutations. Angewandte Chemie - International Edition, 2020, 59, 14481-14489.	13.8	75
146	THZ1 targeting CDK7 suppresses STAT transcriptional activity and sensitizes T-cell lymphomas to BCL2 inhibitors. Nature Communications, 2017, 8, 14290.	12.8	74
147	A Type-II Kinase Inhibitor Capable of Inhibiting the T315I â€œGatekeeperâ€•Mutant of Bcr-Abl. Journal of Medicinal Chemistry, 2010, 53, 5439-5448.	6.4	73
148	A Small-Molecule Inducer of the Antioxidant Response Element. Chemistry and Biology, 2010, 17, 537-547.	6.0	73
149	Identification of Existing Drugs That Effectively Target NTRK1 and ROS1 Rearrangements in Lung Cancer. Clinical Cancer Research, 2017, 23, 204-213.	7.0	73
150	Sulfopin is a covalent inhibitor of Pin1 that blocks Myc-driven tumors in vivo. Nature Chemical Biology, 2021, 17, 954-963.	8.0	73
151	ULK1 inhibition overcomes compromised antigen presentation and restores antitumor immunity in LKB1-mutant lung cancer. Nature Cancer, 2021, 2, 503-514.	13.2	72
152	Molecular rationale for the use of PI3K/AKT/mTOR pathway inhibitors in combination with crizotinib in ALK-mutated neuroblastoma. Oncotarget, 2014, 5, 8737-8749.	1.8	72
153	Discovery and resistance mechanism of a selective CDK12 degrader. Nature Chemical Biology, 2021, 17, 675-683.	8.0	69
154	Small-molecule screening identifies inhibition of salt-inducible kinases as a therapeutic strategy to enhance immunoregulatory functions of dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12468-12473.	7.1	68
155	Development and Characterization of a Wee1 Kinase Degrader. Cell Chemical Biology, 2020, 27, 57-65.e9.	5.2	68
156	INK4 Tumor Suppressor Proteins Mediate Resistance to CDK4/6 Kinase Inhibitors. Cancer Discovery, 2022, 12, 356-371.	9.4	68
157	Inhibition of Flaviviruses by Targeting a Conserved Pocket on the Viral Envelope Protein. Cell Chemical Biology, 2018, 25, 1006-1016.e8.	5.2	68
158	Characterization of WZ4003 and HTH-01-015 as selective inhibitors of the LKB1-tumour-suppressor-activated NUAK kinases. Biochemical Journal, 2014, 457, 215-225.	3.7	67
159	Myeloid ERK5 deficiency suppresses tumor growth by blocking protumor macrophage polarization via STAT3 inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2801-E2810.	7.1	67
160	Development of Highly Potent and Selective Steroidal Inhibitors and Degraders of CDK8. ACS Medicinal Chemistry Letters, 2018, 9, 540-545.	2.8	67
161	Discovery of a Potent, Covalent BTK Inhibitor for B-Cell Lymphoma. ACS Chemical Biology, 2014, 9, 1086-1091.	3.4	66
162	Mitotic MELK-eIF4B signaling controls protein synthesis and tumor cell survival. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9810-9815.	7.1	66

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163	Enhancer profiling identifies critical cancer genes and characterizes cell identity in adult T-cell leukemia. Blood, 2017, 130, 2326-2338.	1.4	66
164	Activation of the p53 Transcriptional Program Sensitizes Cancer Cells to Cdk7 Inhibitors. Cell Reports, 2017, 21, 467-481.	6.4	65
165	A Chemoproteomic Strategy for Direct and Proteome-Wide Covalent Inhibitor Target-Site Identification. Journal of the American Chemical Society, 2019, 141, 191-203.	13.7	65
166	Fragment-based covalent ligand discovery. RSC Chemical Biology, 2021, 2, 354-367.	4.1	65
167	An allosteric inhibitor against the therapy-resistant mutant forms of EGFR in non-small cell lung cancer. Nature Cancer, 2022, 3, 402-417.	13.2	65
168	Synthetic Lethal Interaction of SHOC2 Depletion with MEK Inhibition in RAS-Driven Cancers. Cell Reports, 2019, 29, 118-134.e8.	6.4	63
169	Discovery of selective irreversible inhibitors for EGFR-T790M. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 638-643.	2.2	62
170	Discovery of Type II Inhibitors of TGFÎ²-Activated Kinase 1 (TAK1) and Mitogen-Activated Protein Kinase Kinase Kinase Kinase 2 (MAP4K2). Journal of Medicinal Chemistry, 2015, 58, 183-196.	6.4	62
171	The Kinase Chemogenomic Set (KCGS): An Open Science Resource for Kinase Vulnerability Identification. International Journal of Molecular Sciences, 2021, 22, 566.	4.1	62
172	Discovery of a small-molecule type II inhibitor of wild-type and gatekeeper mutants of BCR-ABL, PDGFRÎ±, Kit, and Src kinases: novel type II inhibitor of gatekeeper mutants. Blood, 2010, 115, 4206-4216.	1.4	61
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