Scott B Ficarro

List of Publications by Year
in descending order

71 papers	5,356 citations	101543 36 h-index	91884 69 g-index
74 all docs	74 docs citations	74 times ranked	9707 citing authors

#	Article	IF	Citations
1	Targeting transcription regulation in cancer with a covalent CDK7 inhibitor. Nature, 2014, 511, 616-620.	27.8	698
2	LIN28 Regulates Stem Cell Metabolism and Conversion to Primed Pluripotency. Cell Stem Cell, 2016, 19, 66-80.	11.1	278
3	Treatment-Induced Tumor Dormancy through YAP-Mediated Transcriptional Reprogramming of the Apoptotic Pathway. Cancer Cell, 2020, 37, 104-122.e12.	16.8	267
4	Covalent targeting of remote cysteine residues to develop CDK12 and CDK13 inhibitors. Nature Chemical Biology, 2016, 12, 876-884.	8.0	249
5	Substrate processing by the Cdc48 ATPase complex is initiated by ubiquitin unfolding. Science, 2019, 365, .	12.6	233
6	Architecture of autoinhibited and active BRAFâ€“MEK1â€“14-3-3 complexes. Nature, 2019, 575, 545-550.	27.8	197
7	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
8	Pharmacological targeting of the pseudokinase Her3. Nature Chemical Biology, 2014, 10, 1006-1012.	8.0	161
9	Magnetic Bead Processor for Rapid Evaluation and Optimization of Parameters for Phosphopeptide Enrichment. Analytical Chemistry, 2009, 81, 4566-4575.	6.5	133
10	PARP1-Driven Poly-ADP-Ribosylation Regulates BRCA1 Function in Homologous Recombinationâ€“Mediated DNA Repair. Cancer Discovery, 2014, 4, 1430-1447.	9.4	125
11	Niobium(V) Oxide (Nb2O5): Application to Phosphoproteomics. Analytical Chemistry, 2008, 80, 4606-4613.	6.5	117
12	Intrinsic Selectivity of Notch 1 for Delta-like 4 Over Delta-like 1. Journal of Biological Chemistry, 2013, 288, 25477-25489.	3.4	110
13	Potent and Selective Covalent Quinazoline Inhibitors of KRAS G12C. Cell Chemical Biology, 2017, 24, 1005-1016.e3.	5.2	109
14	Development of a Selective CDK7 Covalent Inhibitor Reveals Predominant Cell-Cycle Phenotype. Cell Chemical Biology, 2019, 26, 792-803.e10.	5.2	103
15	Improved Electrospray Ionization Efficiency Compensates for Diminished Chromatographic Resolution and Enables Proteomics Analysis of Tyrosine Signaling in Embryonic Stem Cells. Analytical Chemistry, 2009, 81, 3440-3447.	6.5	100
16	Direct Analysis of Phosphorylation Sites on the Rpb1 C-Terminal Domain of RNA Polymerase II. Molecular Cell, 2016, 61, 297-304.	9.7	98
17	Akt Kinase Activation Mechanisms Revealed Using Protein Semisynthesis. Cell, 2018, 174, 897-907.e14.	28.9	96
18	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

#	Article	IF	Citations
19	Development of Selective Covalent Janus Kinase 3 Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 6589-6606.	6.4	94
20	Online Nanoflow Multidimensional Fractionation for High Efficiency Phosphopeptide Analysis. Molecular and Cellular Proteomics, 2011, 10, O111.011064.	3.8	93
21	Alternative Splicing of MBD2 Supports Self-Renewal in Human Pluripotent Stem Cells. Cell Stem Cell, 2014, 15, 92-101.	11.1	93
22	The Cyclophilin Aâ€“CD147 complex promotes the proliferation and homing of multiple myeloma cells. Nature Medicine, 2015, 21, 572-580.	30.7	79
23	Sulfopin is a covalent inhibitor of Pin1 that blocks Myc-driven tumors in vivo. Nature Chemical Biology, 2021, 17, 954-963.	8.0	73
24	Structure and mechanism of activity-based inhibition of the EGF receptor by Mig6. Nature Structural and Molecular Biology, 2015, 22, 703-711.	8.2	72
25	Structural and Biochemical Analyses Reveal the Mechanism of Glutathione S-Transferase Pi 1 Inhibition by the Anti-cancer Compound Piperlongumine. Journal of Biological Chemistry, 2017, 292, 112-120.	3.4	70
26	Selective USP7 inhibition elicits cancer cell killing through a p53-dependent mechanism. Scientific Reports, 2020, 10, 5324.	3.3	69
27	Hepatic Dysfunction Caused by Consumption of a High-Fat Diet. Cell Reports, 2017, 21, 3317-3328.	6.4	68
28	Inhibition of Flaviviruses by Targeting a Conserved Pocket on the Viral Envelope Protein. Cell Chemical Biology, 2018, 25, 1006-1016.e8.	5.2	68
29	Differential contribution of the mitochondrial translation pathway to the survival of diffuse large B-cell lymphoma subsets. Cell Death and Differentiation, 2017, 24, 251-262.	11.2	65
30	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
31	MEF2C Phosphorylation Is Required forÂChemotherapy Resistance in Acute Myeloid Leukemia. Cancer Discovery, 2018, 8, 478-497.	9.4	59
32	Development of a covalent inhibitor of gut bacterial bile salt hydrolases. Nature Chemical Biology, 2020, 16, 318-326.	8.0	59
33	Overcoming Resistance to the THZ Series of Covalent Transcriptional CDK Inhibitors. Cell Chemical Biology, 2018, 25, 135-142.e5.	5.2	58
34	BRCA1 binds TERRA RNA and suppresses R-Loop-based telomeric DNA damage. Nature Communications, 2021, 12, 3542.	12.8	57
35	Development of small molecules targeting the pseudokinase Her3. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3382-3389.	2.2	53
36	Downstream promoter interactions of TFIID TAFs facilitate transcription reinitiation. Genes and Development, 2017, 31, 2162-2174.	5.9	50

#	Article	IF	Citations
37	Leveraging Compound Promiscuity to Identify Targetable Cysteines within the Kinome. Cell Chemical Biology, 2019, 26, 818-829.e9.	5.2	43
38	multiplierzv2.0: A Python-based ecosystem for shared access and analysis of native mass spectrometry data. Proteomics, 2017, 17, 1700091.	2.2	40
39	Identification of a potent and selective covalent Pin1 inhibitor. Nature Chemical Biology, 2020, 16, 979-987.	8.0	40
40	Translocation of polyubiquitinated protein substrates by the hexameric Cdc48 ATPase. Molecular Cell, 2022, 82, 570-584.e8.	9.7	39
41	STK40 Is a Pseudokinase that Binds the E3ÂUbiquitin Ligase COP1. Structure, 2017, 25, 287-294.	3.3	37
42	Targeting the PI5P4K Lipid Kinase Family in Cancer Using Covalent Inhibitors. Cell Chemical Biology, 2020, 27, 525-537.e6.	5.2	36
43	In vitro analysis of RNA polymerase II elongation complex dynamics. Genes and Development, 2019, 33, 578-589.	5.9	34
44	A Sequentially Priming Phosphorylation Cascade Activates the Gliomagenic Transcription Factor Olig2. Cell Reports, 2017, 18, 3167-3177.	6.4	32
45	Leveraging Gas-Phase Fragmentation Pathways for Improved Identification and Selective Detection of Targets Modified by Covalent Probes. Analytical Chemistry, 2016, 88, 12248-12254.	6.5	31
46	Structure-guided development of covalent TAK1 inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 838-846.	3.0	28
47	Glucose-dependent partitioning of arginine to the urea cycle protects Î²-cells from inflammation. Nature Metabolism, 2020, 2, 432-446.	11.9	27
48	Structure-Based Design of a Potent and Selective Covalent Inhibitor for SRC Kinase That Targets a P-Loop Cysteine. Journal of Medicinal Chemistry, 2020, 63, 1624-1641.	6.4	27
49	Structure-activity relationship study of THZ531 derivatives enables the discovery of BSJ-01-175 as a dual CDK12/13 covalent inhibitor with efficacy in Ewing sarcoma. European Journal of Medicinal Chemistry, 2021, 221, 113481.	5.5	27
50	Proteomic Analysis Demonstrates Activator- and Chromatin-specific Recruitment to Promoters. Journal of Biological Chemistry, 2012, 287, 35397-35408.	3.4	25
51	Discovery of MFH290: A Potent and Highly Selective Covalent Inhibitor for Cyclin-Dependent Kinase 12/13. Journal of Medicinal Chemistry, 2020, 63, 6708-6726.	6.4	23
52	Cereblon covalent modulation through structure-based design of histidine targeting chemical probes. RSC Chemical Biology, 2022, 3, 1105-1110.	4.1	23
53	Rationally Designed Covalent BCL6 Inhibitor That Targets a Tyrosine Residue in the Homodimer Interface. ACS Medicinal Chemistry Letters, 2020, 11, 1269-1273.	2.8	22
54	Identification of Kinase Inhibitor Targets in the Lung Cancer Microenvironment by Chemical and Phosphoproteomics. Molecular Cancer Therapeutics, 2014, 13, 2751-2762.	4.1	21

#	Article	IF	Citations
55	PRM-LIVE with Trapped Ion Mobility Spectrometry and Its Application in Selectivity Profiling of Kinase Inhibitors. Analytical Chemistry, 2021, 93, 13791-13799.	6.5	20
56	Phosphoproteomic profiling of mouse primary HSPCs reveals new regulators of HSPC mobilization. Blood, 2016, 128, 1465-1474.	1.4	19
57	Discovery of Covalent CDK14 Inhibitors with Pan-TAIRE Family Specificity. Cell Chemical Biology, 2019, 26, 804-817.e12.	5.2	19
58	mzStudio: A Dynamic Digital Canvas for User-Driven Interrogation of Mass Spectrometry Data. Proteomes, 2017, 5, 20.	3.5	18
59	Discovery and Structureâ€“Activity Relationship Study of (Z)-5-Methylenethiazolidin-4-one Derivatives as Potent and Selective Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 4880-4895.	6.4	17
60	Structureâ€“Activity Relationship Study of Covalent Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 346-352.	2.8	14
61	A Small Covalent Allosteric Inhibitor of Human Cytomegalovirus DNA Polymerase Subunit Interactions. ACS Infectious Diseases, 2017, 3, 112-118.	3.8	12
62	Discovery of a Selective, Covalent IRAK1 Inhibitor with Antiproliferative Activity in MYD88 Mutated B-Cell Lymphoma. ACS Medicinal Chemistry Letters, 2020, 11, 2238-2243.	2.8	11
63	Discovery of Covalent MKK4/7 Dual Inhibitor. Cell Chemical Biology, 2020, 27, 1553-1560.e8.	5.2	10
64	Protected Amine Labels: A Versatile Molecular Scaffold for Multiplexed Nominal Mass and Sub-Da Isotopologue Quantitative Proteomic Reagents. Journal of the American Society for Mass Spectrometry, 2014, 25, 636-650.	2.8	6
65	Synthesis and structure activity relationships of a series of 4-amino-1H-pyrazoles as covalent inhibitors of CDK14. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1985-1993.	2.2	5
66	Exploring Ligand-Directed N-Acyl-N-alkylsulfonamide-Based Acylation Chemistry for Potential Targeted Degrader Development. ACS Medicinal Chemistry Letters, 2021, 12, 1302-1307.	2.8	5
67	Open source fraction collector/MALDI spotter for proteomics. HardwareX, 2022, 11, e00305.	2.2	5
68	In vitro assembly and proteomic analysis of RNA polymerase II complexes. Methods, 2019, 159-160, 96-104.	3.8	4
69	On-Chip Preconcentration Microchip Capillary Electrophoresis Based CE-PRM-LIVE for High-Throughput Selectivity Profiling of Deubiquitinase Inhibitors. Analytical Chemistry, 2022, 94, 9508-9513.	6.5	2
70	Novel Nano-Scale Phosphoproteomic Identification of Pathways Responsible for Hematopoietic Stem and Progenitor Cell Mobilization and Malignant Transformation. Blood, 2012, 120, 4085-4085.	1.4	0
71	Novel Small-Scale Phosphoproteomic Discovery Of Therapeutic Targets For Hematopoietic Stem and Progenitor Cell Mobilization. Blood, 2013, 122, 1183-1183.	1.4	0