Thomas Machleidt

List of Publications by Year
in descending order

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Version: 2024-02-01

53	9,055	186265	168389
papers	citations	28 h-index	53 g-index

53	53	53	10164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CDK Family PROTAC Profiling Reveals Distinct Kinetic Responses and Cell Cycleâ€“Dependent Degradation of CDK2. SLAS Discovery, 2021, 26, 560-569.	2.7	21
2	Streamlined Target Deconvolution Approach Utilizing a Single Photoreactive Chloroalkane Capture Tag. ACS Chemical Biology, 2021, 16, 404-413.	3.4	6
3	Toward a Point-of-Need Bioluminescence-Based Immunoassay Utilizing a Complete Shelf-Stable Reagent. Analytical Chemistry, 2021, 93, 5177-5184.	6.5	17
4	An Integrated Approach toward NanoBRET Tracers for Analysis of GPCR Ligand Engagement. Molecules, 2021, 26, 2857.	3.8	3
5	A Simple and Scalable Strategy for Analysis of Endogenous Protein Dynamics. Scientific Reports, 2020, 10, 8953.	3.3	25
6	The luminescent HiBiT peptide enables selective quantitation of G proteinâ€“coupled receptor ligand engagement and internalization in living cells. Journal of Biological Chemistry, 2020, 295, 5124-5135.	3.4	33
7	Utilizing a Simple Method for Stoichiometric Protein Labeling to Quantify Antibody Blockade. Scientific Reports, 2019, 9, 7046.	3.3	9
8	A real-time, bioluminescent annexin V assay for the assessment of apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 184-197.	4.9	60
9	Homogeneous Assay for Target Engagement Utilizing Bioluminescent Thermal Shift. ACS Medicinal Chemistry Letters, 2018, 9, 546-551.	2.8	36
10	CRISPR-Mediated Tagging of Endogenous Proteins with a Luminescent Peptide. ACS Chemical Biology, 2018, 13, 467-474.	3.4	251
11	Quantitative, Wide-Spectrum Kinase Profiling in Live Cells for Assessing the Effect of Cellular ATP on Target Engagement. Cell Chemical Biology, 2018, 25, 206-214.e11.	5.2	197
12	Highly Potent Cell-Permeable and Impermeable NanoLuc Luciferase Inhibitors. ACS Chemical Biology, 2017, 12, 1028-1037.	3.4	33
13	Real-time analysis of the binding of fluorescent VEGF 165 a to VEGFR2 in living cells: Effect of receptor tyrosine kinase inhibitors and fate of internalized agonist-receptor complexes. Biochemical Pharmacology, 2017, 136, 62-75.	4.4	46
14	Cell-based, bioluminescent assay for monitoring the interaction between PCSK9 and the LDL receptor. Journal of Lipid Research, 2017, 58, 1722-1729.	4.2	7
15	Coelenterazine analogues emit red-shifted bioluminescence with NanoLuc. Organic and Biomolecular Chemistry, 2017, 15, 8559-8567.	2.8	46
16	Three Efficient Methods for Preparation of Coelenterazine Analogues. Chemistry - A European Journal, 2016, 22, 10369-10375.	3.3	17
17	NanoLuc Complementation Reporter Optimized for Accurate Measurement of Protein Interactions in Cells. ACS Chemical Biology, 2016, 11, 400-408.	3.4	935
18	Application of BRET to monitor ligand binding to GPCRs. Nature Methods, 2015, 12, 661-663.	19.0	209

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19	Target engagement and drug residence time can be observed in living cells with BRET. Nature Communications, 2015, 6, 10091.	12.8	208
20	NanoBRETâ€"A Novel BRET Platform for the Analysis of Proteinâ€"Protein Interactions. ACS Chemical Biology, 2015, 10, 1797-1804.	3.4	360
21	Identification of known drugs targeting the endoplasmic reticulum stress response. Analytical and Bioanalytical Chemistry, 2015, 407, 5343-5351.	3.7	11
22	A luminescent assay for real-time measurements of receptor endocytosis in living cells. Analytical Biochemistry, 2015, 489, 1-8.	2.4	21
23	Engineered Luciferase Reporter from a Deep Sea Shrimp Utilizing a Novel Imidazopyrazinone Substrate. ACS Chemical Biology, 2012, 7, 1848-1857.	3.4	1,229
24	Discovery of Potent and Selective Covalent Inhibitors of JNK. Chemistry and Biology, 2012, 19, 140-154.	6.0	286
25	Design and Characterization of a Potent and Selective Dual ATP- and Substrate-Competitive Subnanomolar Bidentate c-Jun N-Terminal Kinase (JNK) Inhibitor. Journal of Medicinal Chemistry, 2011, 54, 6206-6214.	6.4	33
26	Design, synthesis, and structureâ€"activity relationship studies of thiophene-3-carboxamide derivatives as dual inhibitors of the c-Jun N-terminal kinase. Bioorganic and Medicinal Chemistry, 2011, 19, 2582-2588.	3.0	14
27	TR-FRET Cellular Assays for Interrogating Posttranslational Modifications of Histone H3. Journal of Biomolecular Screening, 2011, 16, 1236-1246.	2.6	27
28	Synthesis and optimization of thiadiazole derivatives as a novel class of substrate competitive c-Jun N-terminal kinase inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 590-596.	3.0	21
29	Development of LanthaScreenâ„¢ Cellular Assays for Key Components within the PI3K/AKT/mTOR Pathway. Journal of Biomolecular Screening, 2009, 14, 121-132.	2.6	27
30	Multiplexing of Pathway-Specific Î²-Lactamase Reporter Gene Assays by Optical Coding With QtrackerÂ® Nanocrystals. Journal of Biomolecular Screening, 2009, 14, 845-852.	2.6	3
31	Generation of Site-Specific Retargeting Platform Cell Lines for Drug Discovery Using phiC31 and R4 Integrases. Journal of Biomolecular Screening, 2009, 14, 1207-1215.	2.6	29
32	Fluorescent labeling of proteins in living cells using the FKBP12 (F36V) tag. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 207-224.	1.5	22
33	Discovery of 2-(5-nitrothiazol-2-ylthio)benzo[d]thiazoles as novel c-Jun N-terminal kinase inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 2712-2717.	3.0	23
34	Characterization of serotonin 5-hydroxytryptamine-1A receptor activation using a phospho-extracellular-signal regulated kinase 2 sensor. Analytical Biochemistry, 2009, 393, 95-104.	2.4	12
35	Design, Synthesis, and Structureâ^'Activity Relationship of Substrate Competitive, Selective, and in Vivo Active Triazole and Thiadiazole Inhibitors of the c-Jun N-Terminal Kinase. Journal of Medicinal Chemistry, 2009, 52, 1943-1952.	6.4	71
36	High-throughput cellular assays for regulated posttranslational modifications. Analytical Biochemistry, 2008, 372, 189-197.	2.4	30

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37	Cellular LanthaScreen andÎ²-Lactamase Reporter Assays for High-Throughput Screening of JAK2 Inhibitors. Assay and Drug Development Technologies, 2008, 6, 519-529.	1.2	21
38	HTS Assays Using a Disease-Relevant Cell Model for Interrogating the MAP Kinase Pathway Initiated by Multiple Receptors. Assay and Drug Development Technologies, 2008, 6, 351-359.	1.2	6
39	Identification of a new JNK inhibitor targeting the JNK-JIP interaction site. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16809-16813.	7.1	174
40	Simian Virus 40 Small Tumor Antigen Induces Deregulation of the Actin Cytoskeleton and Tight Junctions in Kidney Epithelial Cells. Journal of Virology, 2003, 77, 2807-2818.	3.4	74
41	Protein phosphatase 2A associates with and regulates atypical PKC and the epithelial tight junction complex. Journal of Cell Biology, 2002, 158, 967-978.	5.2	238
42	Dual control of caveolar membrane traffic by microtubules and the actin cytoskeleton. Journal of Cell Science, 2002, 115, 4327-4339.	2.0	273
43	Human Endothelial Cell Activation and Mediator Release in Response to Listeria monocytogenesVirulence Factors. Infection and Immunity, 2001, 69, 897-905.	2.2	67
44	Multiple Domains in Caveolin-1 Control Its Intracellular Traffic. Journal of Cell Biology, 2000, 148, 17-28.	5.2	106
45	Inhibition of Receptor Internalization by Monodansylcadaverine Selectively Blocks p55 Tumor Necrosis Factor Receptor Death Domain Signaling. Journal of Biological Chemistry, 1999, 274, 10203-10212.	3.4	181
46	Identification of caveolin-1 in lipoprotein particles secreted by exocrine cells. Nature Cell Biology, 1999, 1, 369-375.	10.3	106
47	Caspase 7-induced cleavage of kinectin in apoptotic cells. FEBS Letters, 1998, 436, 51-54.	2.8	29
48	Sphingomyelinases and TNF-Induced Apoptosis. Cellular Physiology and Biochemistry, 1996, 6, 337-344.	1.6	11
49	TNF-Induced Activation of NF-Î¹B. Immunobiology, 1995, 193, 193-203.	1.9	235
50	Functional dichotomy of neutral and acidic sphingomyelinases in tumor necrosis factor signaling. Cell, 1994, 78, 1005-1015.	28.9	730
51	The role of diacylglycerol and ceramide in tumor necrosis factor and interleukin-1 signal transduction. Journal of Leukocyte Biology, 1994, 56, 533-541.	3.3	191
52	Rapid proteolysis of IÎ¹B-Î± is necessary for activation of transcription factor NF-Î¹B. Nature, 1993, 365, 182-185.	27.8	1,146
53	TNF activates NF-Î¹B by phosphatidylcholine-specific phospholipase C-induced â€œAcidicâ€•sphingomyelin breakdown. Cell, 1992, 71, 765-776.	28.9	1,089