

Thomas Machleidt

List of Publications by Year in descending order

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53
papers

9,055
citations

186265
28
h-index

168389
53
g-index

53
all docs

53
docs citations

53
times ranked

10164
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered Luciferase Reporter from a Deep Sea Shrimp Utilizing a Novel Imidazopyrazinone Substrate. ACS Chemical Biology, 2012, 7, 1848-1857.	3.4	1,229
2	Rapid proteolysis of I κ B- β is necessary for activation of transcription factor NF- κ B. Nature, 1993, 365, 182-185.	27.8	1,146
3	TNF activates NF- κ B by phosphatidylcholine-specific phospholipase C-induced α -acidic-sphingomyelin breakdown. Cell, 1992, 71, 765-776.	28.9	1,089
4	NanoLuc Complementation Reporter Optimized for Accurate Measurement of Protein Interactions in Cells. ACS Chemical Biology, 2016, 11, 400-408.	3.4	935
5	Functional dichotomy of neutral and acidic sphingomyelinases in tumor necrosis factor signaling. Cell, 1994, 78, 1005-1015.	28.9	730
6	NanoBRET—A Novel BRET Platform for the Analysis of Protein-Protein Interactions. ACS Chemical Biology, 2015, 10, 1797-1804.	3.4	360
7	Discovery of Potent and Selective Covalent Inhibitors of JNK. Chemistry and Biology, 2012, 19, 140-154.	6.0	286
8	Dual control of caveolar membrane traffic by microtubules and the actin cytoskeleton. Journal of Cell Science, 2002, 115, 4327-4339.	2.0	273
9	CRISPR-Mediated Tagging of Endogenous Proteins with a Luminescent Peptide. ACS Chemical Biology, 2018, 13, 467-474.	3.4	251
10	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
11	TNF-Induced Activation of NF- κ B. Immunobiology, 1995, 193, 193-203.	1.9	235
12	Application of BRET to monitor ligand binding to GPCRs. Nature Methods, 2015, 12, 661-663.	19.0	209
13	Target engagement and drug residence time can be observed in living cells with BRET. Nature Communications, 2015, 6, 10091.	12.8	208
14	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
15	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
16	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
17	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
18	Identification of caveolin-1 in lipoprotein particles secreted by exocrine cells. Nature Cell Biology, 1999, 1, 369-375.	10.3	106

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19	Multiple Domains in Caveolin-1 Control Its Intracellular Traffic. <i>Journal of Cell Biology</i> , 2000, 148, 17-28.	5.2	106
20	Simian Virus 40 Small Tumor Antigen Induces Dereglulation of the Actin Cytoskeleton and Tight Junctions in Kidney Epithelial Cells. <i>Journal of Virology</i> , 2003, 77, 2807-2818.	3.4	74
21	Design, Synthesis, and Structure-Activity Relationship of Substrate Competitive, Selective, and in Vivo Active Triazole and Thiadiazole Inhibitors of the c-Jun N-Terminal Kinase. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1943-1952.	6.4	71
22	Human Endothelial Cell Activation and Mediator Release in Response to <i>Listeria monocytogenes</i> Virulence Factors. <i>Infection and Immunity</i> , 2001, 69, 897-905.	2.2	67
23	A real-time, bioluminescent annexin V assay for the assessment of apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 184-197.	4.9	60
24	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. <i>Biochemical Pharmacology</i> , 2017, 136, 62-75.	4.4	46
25	Coelenterazine analogues emit red-shifted bioluminescence with NanoLuc. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8559-8567.	2.8	46
26	Homogeneous Assay for Target Engagement Utilizing Bioluminescent Thermal Shift. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 546-551.	2.8	36
27	Design and Characterization of a Potent and Selective Dual ATP- and Substrate-Competitive Subnanomolar Bidentate c-Jun N-Terminal Kinase (JNK) Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6206-6214.	6.4	33
28	Highly Potent Cell-Permeable and Impermeable NanoLuc Luciferase Inhibitors. <i>ACS Chemical Biology</i> , 2017, 12, 1028-1037.	3.4	33
29	The luminescent HiBiT peptide enables selective quantitation of G protein-coupled receptor ligand engagement and internalization in living cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 5124-5135.	3.4	33
30	High-throughput cellular assays for regulated posttranslational modifications. <i>Analytical Biochemistry</i> , 2008, 372, 189-197.	2.4	30
31	Caspase 7-induced cleavage of kinectin in apoptotic cells. <i>FEBS Letters</i> , 1998, 436, 51-54.	2.8	29
32	Generation of Site-Specific Retargeting Platform Cell Lines for Drug Discovery Using phiC31 and R4 Integrases. <i>Journal of Biomolecular Screening</i> , 2009, 14, 1207-1215.	2.6	29
33	Development of LanthaScreen [®] Cellular Assays for Key Components within the PI3K/AKT/mTOR Pathway. <i>Journal of Biomolecular Screening</i> , 2009, 14, 121-132.	2.6	27
34	TR-FRET Cellular Assays for Interrogating Posttranslational Modifications of Histone H3. <i>Journal of Biomolecular Screening</i> , 2011, 16, 1236-1246.	2.6	27
35	A Simple and Scalable Strategy for Analysis of Endogenous Protein Dynamics. <i>Scientific Reports</i> , 2020, 10, 8953.	3.3	25
36	Discovery of 2-(5-nitrothiazol-2-ylthio)benzo[d]thiazoles as novel c-Jun N-terminal kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2712-2717.	3.0	23

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37	Fluorescent labeling of proteins in living cells using the FKBP12 (F36V) tag. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 207-224.	1.5	22
38	Cellular LanthaScreen and β -Lactamase Reporter Assays for High-Throughput Screening of JAK2 Inhibitors. <i>Assay and Drug Development Technologies</i> , 2008, 6, 519-529.	1.2	21
39	Synthesis and optimization of thiazazole derivatives as a novel class of substrate competitive c-Jun N-terminal kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 590-596.	3.0	21
40	A luminescent assay for real-time measurements of receptor endocytosis in living cells. <i>Analytical Biochemistry</i> , 2015, 489, 1-8.	2.4	21
41	CDK Family PROTAC Profiling Reveals Distinct Kinetic Responses and Cell Cycle-Dependent Degradation of CDK2. <i>SLAS Discovery</i> , 2021, 26, 560-569.	2.7	21
42	Three Efficient Methods for Preparation of Coelenterazine Analogues. <i>Chemistry - A European Journal</i> , 2016, 22, 10369-10375.	3.3	17
43	Toward a Point-of-Need Bioluminescence-Based Immunoassay Utilizing a Complete Shelf-Stable Reagent. <i>Analytical Chemistry</i> , 2021, 93, 5177-5184.	6.5	17
44	Design, synthesis, and structure-activity relationship studies of thiophene-3-carboxamide derivatives as dual inhibitors of the c-Jun N-terminal kinase. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2582-2588.	3.0	14
45	Characterization of serotonin 5-hydroxytryptamine-1A receptor activation using a phospho-extracellular-signal regulated kinase 2 sensor. <i>Analytical Biochemistry</i> , 2009, 393, 95-104.	2.4	12
46	Sphingomyelinases and TNF-Induced Apoptosis. <i>Cellular Physiology and Biochemistry</i> , 1996, 6, 337-344.	1.6	11
47	Identification of known drugs targeting the endoplasmic reticulum stress response. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5343-5351.	3.7	11
48	Utilizing a Simple Method for Stoichiometric Protein Labeling to Quantify Antibody Blockade. <i>Scientific Reports</i> , 2019, 9, 7046.	3.3	9
49	Cell-based, bioluminescent assay for monitoring the interaction between PCSK9 and the LDL receptor. <i>Journal of Lipid Research</i> , 2017, 58, 1722-1729.	4.2	7
50	HTS Assays Using a Disease-Relevant Cell Model for Interrogating the MAP Kinase Pathway Initiated by Multiple Receptors. <i>Assay and Drug Development Technologies</i> , 2008, 6, 351-359.	1.2	6
51	Streamlined Target Deconvolution Approach Utilizing a Single Photoreactive Chloroalkane Capture Tag. <i>ACS Chemical Biology</i> , 2021, 16, 404-413.	3.4	6
52	Multiplexing of Pathway-Specific β -Lactamase Reporter Gene Assays by Optical Coding With Qtracker [®] Nanocrystals. <i>Journal of Biomolecular Screening</i> , 2009, 14, 845-852.	2.6	3
53	An Integrated Approach toward NanoBRET Tracers for Analysis of GPCR Ligand Engagement. <i>Molecules</i> , 2021, 26, 2857.	3.8	3