Mario van der Stelt

List of Publications by Year
in descending order

94	5,542	109264 35	82499 72
papers	citations	h-index	g-index

98	98	98	6554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthetic studies with the brevicidine and laterocidine lipopeptide antibiotics including analogues with enhanced properties and in vivo efficacy. Chemical Science, 2022, 13, 3563-3570.	3.7	14
2	Detection of cannabinoid receptor type 2 in native cells and zebrafish with a highly potent, cell-permeable fluorescent probe. Chemical Science, 2022, 13, 5539-5545.	3.7	12
3	Chemical Proteomics Reveals Off-Targets of the Anandamide Reuptake Inhibitor WOBE437. ACS Chemical Biology, 2022, 17, 1174-1183.	1.6	5
4	Plasma Levels of Endocannabinoids and Their Analogues Are Related to Specific Fecal Bacterial Genera in Young Adults: Role in Gut Barrier Integrity. Nutrients, 2022, 14, 2143.	1.7	4
5	Targeting Endocannabinoid Signaling: FAAH and MAG Lipase Inhibitors. Annual Review of Pharmacology and Toxicology, 2021, 61, 441-463.	4.2	51
6	Cannabinoid type 1 receptor inverse agonism attenuates dyslipidemia and atherosclerosis in APOEâˆ—3-Leiden.CETP mice. Journal of Lipid Research, 2021, 62, 100070.	2.0	9
7	Protein Dynamics Influence the Enzymatic Activity of Phospholipase A/Acyltransferases 3 and 4. Biochemistry, 2021, 60, 1178-1190.	1.2	6
8	Clickable Vitamins as a New Tool to Track Vitamin A and Retinoic Acid in Immune Cells. Frontiers in Immunology, 2021, 12, 671283.	2.2	3
9	The Chemical Biologyâ€Medicinal Chemistry Continuum: EFMCâ€²s Vision. ChemBioChem, 2021, 22, 2823-2825.	1.3	7
10	Structureâ€“Activity Relationship Studies of Pyrimidine-4-Carboxamides as Inhibitors of N-Acylphosphatidylethanolamine Phospholipase D. Journal of Medicinal Chemistry, 2021, 64, 481-515.	2.9	8
11	PharmacoSTORM nanoscale pharmacology reveals cariprazine binding on Islands of Calleja granule cells. Nature Communications, 2021, 12, 6505.	5.8	24
12	Endocannabinoid contributions to alcohol habits and motivation: Relevance to treatment. Addiction Biology, 2020, 25, e12768.	1.4	19
13	Discovery of N-(Indazol-3-yl)piperidine-4-carboxylic Acids as RORÎ³t Allosteric Inhibitors for Autoimmune Diseases. ACS Medicinal Chemistry Letters, 2020, 11, 114-119.	1.3	18
14	Activity-based protein profiling of the human failing ischemic heart reveals alterations in hydrolase activities involving the endocannabinoid system. Pharmacological Research, 2020, 151, 104578.	3.1	10
15	Structureâ€“Activity Relationship Studies of Î±-Ketoamides as Inhibitors of the Phospholipase A and Acyltransferase Enzyme Family. Journal of Medicinal Chemistry, 2020, 63, 9340-9359.	2.9	11
16	Development of High-Specificity Fluorescent Probes to Enable Cannabinoid Type 2 Receptor Studies in Living Cells. Journal of the American Chemical Society, 2020, 142, 16953-16964.	6.6	31
17	Discovery of a NAPE-PLD inhibitor that modulates emotional behavior in mice. Nature Chemical Biology, 2020, 16, 667-675.	3.9	53
18	Manno-epi-cyclophellitols Enable Activity-Based Protein Profiling of Human Î±-Mannosidases and Discovery of New Golgi Mannosidase II Inhibitors. Journal of the American Chemical Society, 2020, 142, 13021-13029.	6.6	24

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19	Chemical genetics strategy to profile kinase target engagement reveals role of FES in neutrophil phagocytosis. Nature Communications, 2020, 11, 3216.	5.8	10
20	Stress-induced modulation of endocannabinoid signaling leads to delayed strengthening of synaptic connectivity in the amygdala. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 650-655.	3.3	50
21	Olaparibâ€Based Photoaffinity Probes for PARPâ€1 Detection in Living Cells. ChemBioChem, 2020, 21, 2431-2434.	1.3	5
22	STAâ€55, an Easily Accessible, Broadâ€Spectrum, Activityâ€Based Aldehyde Dehydrogenase Probe. ChemBioChem, 2020, 21, 1911-1917.	1.3	5
23	Structure Kinetics Relationships and Molecular Dynamics Show Crucial Role for Heterocycle Leaving Group in Irreversible Diacylglycerol Lipase Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 7910-7922.	2.9	8
24	ABHD2 Inhibitor Identified by Activity-Based Protein Profiling Reduces Acrosome Reaction. ACS Chemical Biology, 2019, 14, 2295-2304.	1.6	10
25	Identification of Î±,Î²-Hydrolase Domain Containing Protein 6 as a Diacylglycerol Lipase in Neuro-2a Cells. Frontiers in Molecular Neuroscience, 2019, 12, 286.	1.4	19
26	Development of a Retinal-Based Probe for the Profiling of Retinaldehyde Dehydrogenases in Cancer Cells. ACS Central Science, 2019, 5, 1965-1974.	5.3	13
27	Activity-Based Protein Profiling Identifies Î±-Ketoamides as Inhibitors for Phospholipase A2 Group XVI. ACS Chemical Biology, 2019, 14, 164-169.	1.6	24
28	Comprehensive structure-activity-relationship of azaindoles as highly potent FLT3 inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 692-699.	1.4	4
29	Drug Discovery Maps, a Machine Learning Model That Visualizes and Predicts Kinomeâ€“Inhibitor Interaction Landscapes. Journal of Chemical Information and Modeling, 2019, 59, 1221-1229.	2.5	46
30	<scp>L</scp>ocalization of the cannabinoid typeâ€1 receptor in subcellular astrocyte compartments of mutant mouse hippocampus. Glia, 2018, 66, 1417-1431.	2.5	78
31	Selective Photoaffinity Probe That Enables Assessment of Cannabinoid CB₂ Receptor Expression and Ligand Engagement in Human Cells. Journal of the American Chemical Society, 2018, 140, 6067-6075.	6.6	68
32	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. Nutrition and Diabetes, 2018, 8, 6.	1.5	26
33	Structure-kinetic relationship studies of cannabinoid CB 2 receptor agonists reveal substituent-specific lipophilic effects on residence time. Biochemical Pharmacology, 2018, 152, 129-142.	2.0	19
34	Mapping in vivo target interaction profiles of covalent inhibitors using chemical proteomics with label-free quantification. Nature Protocols, 2018, 13, 752-767.	5.5	48
35	Regulation of Adipose Tissue Metabolism by the Endocannabinoid System. Trends in Endocrinology and Metabolism, 2018, 29, 326-337.	3.1	45
36	Evaluation of different drug classes on transient sciatic nerve injuryâ€“depressed marble burying in mice. Pain, 2018, 159, 1155-1165.	2.0	16

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37	Chemical tools to modulate 2â€arachidonoylglycerol biosynthesis. Biotechnology and Applied Biochemistry, 2018, 65, 9-15.	1.4	6
38	The endocannabinoid system and its therapeutic exploitation in multiple sclerosis: Clues for other neuroinflammatory diseases. Progress in Neurobiology, 2018, 160, 82-100.	2.8	104
39	Anti-neuroinflammatory effects of GPR55 antagonists in LPS-activated primary microglial cells. Journal of Neuroinflammation, 2018, 15, 322.	3.1	53
40	Opportunities for Lipid-Based Probes in the Field of Immunology. Current Topics in Microbiology and Immunology, 2018, 420, 283-319.	0.7	4
41	Activity-Based Protein Profiling Delivers Selective Drug Candidate ABX-1431, a Monoacylglycerol Lipase Inhibitor, To Control Lipid Metabolism in Neurological Disorders. Journal of Medicinal Chemistry, 2018, 61, 9059-9061.	2.9	29
42	Improving CLL VÎ³9VÎ´2-Tâ€“cell fitness for cellular therapy by ex vivo activation and ibrutinib. Blood, 2018, 132, 2260-2272.	0.6	39
43	Development of a Multiplexed Activity-Based Protein Profiling Assay to Evaluate Activity of Endocannabinoid Hydrolase Inhibitors. ACS Chemical Biology, 2018, 13, 2406-2413.	1.6	33
44	An Affinity-Based Probe for the Human Adenosine A_{2A} Receptor. Journal of Medicinal Chemistry, 2018, 61, 7892-7901.	2.9	39
45	Gene Expression of Endocannabinoid System Components in Skeletal Muscle and Adipose Tissue of South Asians and White Caucasians with Overweight. Obesity, 2018, 26, 1332-1337.	1.5	7
46	Development of a Cannabinoid-Based Photoaffinity Probe to Determine the Î”^{8/9}-Tetrahydrocannabinol Protein Interaction Landscape in Neuroblastoma Cells. Cannabis and Cannabinoid Research, 2018, 3, 136-151.	1.5	10
47	Two-step activity-based protein profiling of diacylglycerol lipase. Organic and Biomolecular Chemistry, 2018, 16, 5250-5253.	1.5	6
48	2-Arachidonoylglycerol: A signaling lipid with manifold actions in the brain. Progress in Lipid Research, 2018, 71, 1-17.	5.3	144
49	Chemical Proteomic Analysis of Serine Hydrolase Activity in Niemann-Pick Type C Mouse Brain. Frontiers in Neuroscience, 2018, 12, 440.	1.4	11
50	High Fat Diet Increases Circulating Endocannabinoids Accompanied by Increased Synthesis Enzymes in Adipose Tissue. Frontiers in Physiology, 2018, 9, 1913.	1.3	40
51	Chemical Proteomics Maps Brain Region Specific Activity of Endocannabinoid Hydrolases. ACS Chemical Biology, 2017, 12, 852-861.	1.6	35
52	Activity-based protein profiling reveals off-target proteins of the FAAH inhibitor BIA 10-2474. Science, 2017, 356, 1084-1087.	6.0	251
53	Chiral disubstituted piperidinyl ureas: a class of dual diacylglycerol lipase-Î± and ABHD6 inhibitors. MedChemComm, 2017, 8, 982-988.	3.5	8
54	Quantitative profiling of endocannabinoids and related N-acylethanolamines in human CSF using nano LC-MS/MS. Journal of Lipid Research, 2017, 58, 615-624.	2.0	33

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55	Triazole Ureas Act as Diacylglycerol Lipase Inhibitors and Prevent Fasting-Induced Refeeding. Journal of Medicinal Chemistry, 2017, 60, 428-440.	2.9	30
56	Cannabinoid CB2 receptor ligand profiling reveals biased signalling and off-target activity. Nature Communications, 2017, 8, 13958.	5.8	265
57	Novel activity-based probes for N-acylethanolamine acid amidase. Chemical Communications, 2017, 53, 11810-11813.	2.2	7
58	Asymmetric Synthesis of Lysine Analogues with Reduced Basicity, and their Incorporation into Proteasome Inhibitors. European Journal of Organic Chemistry, 2017, 2017, 5921-5934.	1.2	3
59	A Fluorescence Polarization Activity-Based Protein Profiling Assay in the Discovery of Potent, Selective Inhibitors for Human Nonlysosomal Glucosylceramidase. Journal of the American Chemical Society, 2017, 139, 14192-14197.	6.6	50
60	Endocannabinoid tone is higher in healthy lean South Asian than white Caucasian men. Scientific Reports, 2017, 7, 7558.	1.6	23
61	Piperidine and octahydropyrano[3,4-c] pyridine scaffolds for drug-like molecular libraries of the European Lead Factory. Bioorganic and Medicinal Chemistry, 2017, 25, 5160-5170.	1.4	3
62	A Novel Selective Inverse Agonist of the CB₂ Receptor as a Radiolabeled Tool Compound for Kinetic Binding Studies. Molecular Pharmacology, 2017, 92, 389-400.	1.0	17
63	The novel, orally available and peripherally restricted selective cannabinoid CB₂ receptor agonist LEIâ€101 prevents cisplatinâ€induced nephrotoxicity. British Journal of Pharmacology, 2016, 173, 446-458.	2.7	55
64	Inhibitors of diacylglycerol lipases in neurodegenerative and metabolic disorders. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3831-3837.	1.0	26
65	Photo-crosslinking of clinically relevant kinases using H89-derived photo-affinity probes. Molecular BioSystems, 2016, 12, 1809-1817.	2.9	1
66	Structure-Based Design of Î²5c Selective Inhibitors of Human Constitutive Proteasomes. Journal of Medicinal Chemistry, 2016, 59, 7177-7187.	2.9	19
67	A Set of Activityâ€Based Probes to Visualize Human (Immuno)proteasome Activities. Angewandte Chemie - International Edition, 2016, 55, 4199-4203.	7.2	86
68	Oxygenation of Anandamide by Lipoxygenases. Methods in Molecular Biology, 2016, 1412, 217-225.	0.4	2
69	Protocol to Study Î²-Arrestin Recruitment by CB1 and CB2 Cannabinoid Receptors. Methods in Molecular Biology, 2016, 1412, 103-111.	0.4	11
70	Rapid and profound rewiring of brain lipid signaling networks by acute diacylglycerol lipase inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 26-33.	3.3	127
71	Identification of an allosteric binding site for RORÎ³t inhibition. Nature Communications, 2015, 6, 8833.	5.8	87
72	A natural substrate-based fluorescence assay for inhibitor screening on diacylglycerol lipase Î±. Journal of Lipid Research, 2015, 56, 927-935.	2.0	27

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73	Comprehensive Analysis of Structureâ€“Activity Relationships of Î±-Ketoheterocycles as sn-1-Diacylglycerol Lipase Î± Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 9742-9753.	2.9	13
74	Highly Selective, Reversible Inhibitor Identified by Comparative Chemoproteomics Modulates Diacylglycerol Lipase Activity in Neurons. Journal of the American Chemical Society, 2015, 137, 8851-8857.	6.6	49
75	Cyclopentitol as a scaffold for a natural product-like compound library for drug discovery. Bioorganic and Medicinal Chemistry, 2015, 23, 2650-2655.	1.4	11
76	Direct and two-step bioorthogonal probes for Bruton's tyrosine kinase based on ibrutinib: a comparative study. Organic and Biomolecular Chemistry, 2015, 13, 5147-5157.	1.5	26
77	Identification and Development of Biphenyl Substituted Iminosugars as Improved Dual Glucosylceramide Synthase/Neutral Glucosylceramidase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 9096-9104.	2.9	43
78	Discovery of Glycine Sulfonamides as Dual Inhibitors of sn-1-Diacylglycerol Lipase Î± and Î±/Î²-Hydrolase Domain 6. Journal of Medicinal Chemistry, 2014, 57, 6610-6622.	2.9	28
79	Structure-Based Design of Î²1i or Î²5i Specific Inhibitors of Human Immunoproteasomes. Journal of Medicinal Chemistry, 2014, 57, 6197-6209.	2.9	89
80	N-Tetradecylcarbamyl Lipopeptides as Novel Agonists for Toll-like Receptor 2. Journal of Medicinal Chemistry, 2014, 57, 6873-6878.	2.9	31
81	Development of an Activityâ€Based Probe and In Silico Design Reveal Highly Selective Inhibitors for Diacylglycerol Lipaseâ€Î± in Brain. Angewandte Chemie - International Edition, 2013, 52, 12081-12085.	7.2	73
82	Incorporation of Non-natural Amino Acids Improves Cell Permeability and Potency of Specific Inhibitors of Proteasome Trypsin-like Sites. Journal of Medicinal Chemistry, 2013, 56, 1262-1275.	2.9	79
83	The role of the CB1 cannabinoid receptor and its endogenous ligands, anandamide and 2-arachidonoylglycerol, in amphetamine-induced behavioural sensitization. Behavioural Brain Research, 2008, 187, 289-296.	1.2	48
84	N-Arachidonoyl-Dopamine Tunes Synaptic Transmission onto Dopaminergic Neurons by Activating both Cannabinoid and Vanilloid Receptors. Neuropsychopharmacology, 2007, 32, 298-308.	2.8	141
85	Forebrain-Specific Inactivation of G q /G 11 Family G Proteins Results in Age-Dependent Epilepsy and Impaired Endocannabinoid Formation. Molecular and Cellular Biology, 2006, 26, 5888-5894.	1.1	73
86	Cannabinoid Receptors and Their Role in Neuroprotection. NeuroMolecular Medicine, 2005, 7, 037-050.	1.8	169
87	Anandamide acts as an intracellular messenger amplifying Ca2+ influx via TRPV1 channels. EMBO Journal, 2005, 24, 3026-3037.	3.5	210
88	A role for endocannabinoids in the generation of parkinsonism and levodopaâ€induced dyskinesia in MPTPâ€lesioned nonâ€human primate models of Parkinson's disease. FASEB Journal, 2005, 19, 1140-1142.	0.2	189
89	Endovanilloids. Putative endogenous ligands of transient receptor potential vanilloid 1 channels. FEBS Journal, 2004, 271, 1827-1834.	0.2	342
90	In Vivo Excitotoxicity Induced by Ouabain, a Na⁺/K⁺-ATPase Inhibitor. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 62-74.	2.4	50

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91	Biosynthesis of endocannabinoids and their modes of action in neurodegenerative diseases. Neurotoxicity Research, 2003, 5, 183-199.	1.3	19
92	CB1 Cannabinoid Receptors and On-Demand Defense Against Excitotoxicity. Science, 2003, 302, 84-88.	6.0	1,083
93	Oxygenated Metabolites of Anandamide and 2-Arachidonoylglycerol:â€‰ Conformational Analysis and Interaction with Cannabinoid Receptors, Membrane Transporter, and Fatty Acid Amide Hydrolase. Journal of Medicinal Chemistry, 2002, 45, 3709-3720.	2.9	136
94	Acute Neuronal Injury, Excitotoxicity, and the Endocannabinoid System. Molecular Neurobiology, 2002, 26, 317-346.	1.9	127