Klaus T Wanner

List of Publications by Year
in descending order

130	2,238	236612	329751
papers	citations	25 h-index	37 g-index

149	149	149	2055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deletion of the Î³-Aminobutyric Acid Transporter 2 (GAT2 and SLC6A13) Gene in Mice Leads to Changes in Liver and Brain Taurine Contents. Journal of Biological Chemistry, 2012, 287, 35733-35746.	1.6	83
2	Deamination, Oxidation, and Câ€“C Bond Cleavage Reactivity of 5-Hydroxymethylcytosine, 5-Formylcytosine, and 5-Carboxycytosine. Journal of the American Chemical Society, 2013, 135, 14593-14599.	6.6	83
3	MS-Binding Assays: Kinetic, Saturation, and Competitive Experiments Based on Quantitation of Bound Marker as Exemplified by the GABA Transporter mGAT1. ChemMedChem, 2006, 1, 208-217.	1.6	79
4	An efficient asymmetric synthesis of (+)-mesembrine and related chiral 4,4-disubstituted cyclohexenones. Journal of the American Chemical Society, 1985, 107, 7776-7778.	6.6	71
5	Synthesis and biological evaluation of aminomethylphenol derivatives as inhibitors of the murine GABA transporters mGAT1â€“mGAT4. European Journal of Medicinal Chemistry, 2008, 43, 2404-2411.	2.6	65
6	An asymmetric synthesis of chiral 4,4-disubstituted cyclohexenones in high enantiomeric purity. Journal of Organic Chemistry, 1986, 51, 1936-1938.	1.7	63
7	New highly potent GABA uptake inhibitors selective forÂGAT-1Âand GAT-3Âderived from (R)- andÂ(S)-proline andÂhomologous pyrrolidine-2-alkanoic acids. European Journal of Medicinal Chemistry, 2006, 41, 809-824.	2.6	56
8	Focused Pseudostatic Hydrazone Libraries Screened by Mass Spectrometry Binding Assay: Optimizing Affinities toward Î³-Aminobutyric Acid Transporter 1. Journal of Medicinal Chemistry, 2013, 56, 1323-1340.	2.9	49
9	Novel parent structures for inhibitors of the murine GABA transporters mGAT3 and mGAT4. European Journal of Pharmacology, 2005, 519, 43-47.	1.7	45
10	Affinity ofÂ1-aryl-1,2,3,4-tetrahydroisoquinoline derivatives toÂtheÂion channel binding site ofÂtheÂNMDA receptor complex. European Journal of Medicinal Chemistry, 2006, 41, 1003-1010.	2.6	44
11	Asymmetric Synthesis with 6-tert-Butyl-5-methoxy-6-methyl-3,6-dihydro-2H-1,4-oxazin-2-one as a New Chiral Glycine Equivalent: Preparation of Enantiomerically Pure Î±-Tertiary and Î±-Quaternary Î±-Amino Acids. European Journal of Organic Chemistry, 2003, 2003, 1244-1263.	1.2	39
12	Generation of a 3D model for human GABA transporter hGAT-1 using molecular modeling and investigation of the binding of GABA. Journal of Molecular Modeling, 2010, 16, 155-161.	0.8	35
13	Development of an (S)â€1â€{2â€[Tris(4â€methoxyphenyl)methoxy]ethyl}piperidineâ€3â€carboxylic acid [(S)â€SNAPâ€5114] Carba Analogue Inhibitor for Murine Î³â€Aminobutyric Acid Transporter Typeâ€‰4. ChemMedChem, 2012, 7, 1245-1255.	1.6	34
14	Design, synthesis and SAR studies of GABA uptake inhibitors derived from 2-substituted pyrrolidine-2-yl-acetic acids. Bioorganic and Medicinal Chemistry, 2015, 23, 1284-1306.	1.4	34
15	Asymmetric a-Amidoalkylation. Synthesis of a-Substituted Piperidines of High Enantiomeric Purity. Heterocycles, 1987, 26, 921.	0.4	34
16	Azetidine derivatives as novel Î³-aminobutyric acid uptake inhibitors: Synthesis, biological evaluation, and structureâ€“activity relationship. European Journal of Medicinal Chemistry, 2010, 45, 2453-2466.	2.6	33
17	Novel, highly potent and inÂvivo active inhibitor of GABA transporter subtype 1 with anticonvulsant, anxiolytic, antidepressant and antinociceptive properties. Neuropharmacology, 2017, 113, 331-342.	2.0	33
18	Generation of chiral N-acylpyridinium ions by means of silyl triflates and their diastereoselective trapping reactions: formation of N-acyldihydropyridines and N-acyldihydropyridones. Tetrahedron, 2002, 58, 6757-6770.	1.0	32

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19	Library Screening by Means of Mass Spectrometry (MS) Binding Assaysâ€"Exemplarily Demonstrated for a Pseudostatic Library Addressing Î³â€Aminobutyric Acid (GABA) Transporterâ€...1 (GAT1). ChemMedChem, 2012, 7, 1678-1690.	1.6	32
20	Aminomethyltetrazoles as potential inhibitors of the Î³-aminobutyric acid transporters mGAT1â€"mGAT4: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2011, 19, 6492-6504.	1.4	31
21	The Glutamic Acid-Rich Protein Is a Gating Inhibitor of Cyclic Nucleotide-Gated Channels. Journal of Neuroscience, 2011, 31, 133-141.	1.7	30
22	First Photoswitchable Neurotransmitter Transporter Inhibitor: Light-Induced Control of Î³-Aminobutyric Acid Transporter 1 (GAT1) Activity in Mouse Brain. Journal of Medicinal Chemistry, 2014, 57, 6809-6821.	2.9	30
23	Generation and Screening of Oxime Libraries Addressing the Neuronal GABA Transporter GAT1. ChemMedChem, 2015, 10, 396-410.	1.6	29
24	Synthesis of Î²-Amino Acids Based on Oxidative Cleavage of Dihydropyridone Derivatives. Organic Letters, 2004, 6, 3553-3556.	2.4	28
25	Synthesis and evaluation of N-substituted nipecotic acid derivatives with an unsymmetrical bis-aromatic residue attached to a vinyl ether spacer as potential GABA uptake inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 3363-3378.	1.4	26
26	Different Binding Modes of Small and Large Binders of GAT1. ChemMedChem, 2016, 11, 509-518.	1.6	26
27	In Vitro and Initial In Vivo Evaluation of 68Ga-Labeled Transferrin Receptor (TfR) Binding Peptides as Potential Carriers for Enhanced Drug Transport into TfR Expressing Cells. Molecular Imaging and Biology, 2011, 13, 332-341.	1.3	25
28	Asymmetric Electrophilic a-Amidoalkylation 5: Improved Stereoselectivities through New Chiral Auxiliaries. Heterocycles, 1988, 27, 2549.	0.4	25
29	MS Binding Assays for the Three Monoamine Transporters Using the Triple Reuptake Inhibitor (1R,3S)â€Indatraline as Native Marker. ChemMedChem, 2015, 10, 1027-1039.	1.6	24
30	Development of Highly Potent GAT1 Inhibitors: Synthesis of Nipecotic Acid Derivatives by Suzukiâ€"Miyaura Crossâ€Coupling Reactions. ChemMedChem, 2016, 11, 519-538.	1.6	24
31	Synthesis and biological evaluation of new GABA-uptake inhibitors derived from proline and from pyrrolidine-2-acetic acid. European Journal of Medicinal Chemistry, 2005, 40, 231-247.	2.6	22
32	Direct synthesis of 4,4-disubstituted N-silyl-1,4-dihydropyridines. Tetrahedron, 2006, 62, 2395-2404.	1.0	22
33	Synthesis and pharmacological properties of new GABA uptake inhibitors. Pharmacological Reports, 2012, 64, 817-833.	1.5	22
34	Asymmetric Synthesis Employing a Chiral 5-Methoxy-1,4-oxazin-2-one Derivative: Preparation of Enantiomerically Pure Î±-Quaternary Î±-Amino Acids. European Journal of Organic Chemistry, 1999, 1999, 1967-1978.	1.2	21
35	Development of imidazole alkanoic acids as mGAT3 selective GABA uptake inhibitors. European Journal of Medicinal Chemistry, 2011, 46, 1483-1498.	2.6	21
36	Development of MS Binding Assays targeting the binding site of MB327 at the nicotinic acetylcholine receptor. Toxicology Letters, 2018, 293, 172-183.	0.4	21

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37	Loratadine and Analogues: Discovery and Preliminary Structureâ€“Activity Relationship of Inhibitors of the Amino Acid Transporter B⁰AT2. Journal of Medicinal Chemistry, 2014, 57, 9473-9479.	2.9	19
38	Asymmetric Electrophilic a-Amidoalkylation 6: Syntheses of Tetrahydroisoquinolines of High Enantiomeric Purity. Heterocycles, 1989, 29, 29.	0.4	19
39	Competitive MS Binding Assays for Dopamine D2 Receptors Employing Spiperone as a Native Marker. ChemBioChem, 2005, 6, 1769-1775.	1.3	18
40	Synthesis and biological evaluation of new derivatives of 2-substituted 4-hydroxybutanamides as GABA uptake inhibitors. European Journal of Medicinal Chemistry, 2011, 46, 183-190.	2.6	18
41	Synthesis of N-substituted acyclic Î²-amino acids and their investigation as GABA uptake inhibitors. European Journal of Medicinal Chemistry, 2013, 65, 487-499.	2.6	18
42	Expanding the scope of MS binding assays to low-affinity markers as exemplified for mGAT1. Analytical and Bioanalytical Chemistry, 2008, 391, 309-316.	1.9	17
43	MS Binding Assaysâ€”with MALDI toward High Throughput. ChemMedChem, 2009, 4, 1523-1528.	1.6	17
44	Application of an Ugi type reaction to an N-silyl-4,4-disubstituted 1,4-dihydropyridine. Tetrahedron, 2009, 65, 10463-10469.	1.0	17
45	Synthesis of 3â€Azabicyclo[3.2.0]heptane Derivatives as Î³â€Aminobutyric Acid Analogues through Intermolecular [2+2] PhotoÂcycloaddition. European Journal of Organic Chemistry, 2013, 2013, 4017-4025.	1.2	17
46	Synthesis, biological evaluation and structureâ€“activity relationship of new GABA uptake inhibitors, derivatives of 4-aminobutanamides. European Journal of Medicinal Chemistry, 2014, 83, 256-273.	2.6	17
47	Synthesis of 4-substituted nipecotic acid derivatives and their evaluation as potential GABA uptake inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 2072-2096.	1.4	17
48	Regioselective addition of organomagnesium reagents to N-silyl activated nicotinic acid estersâ€”a convenient method for the synthesis of 4,4-disubstituted 1,4-dihydronicotinates. Tetrahedron, 2009, 65, 5824-5833.	1.0	16
49	Synthesis of a series of Î³-amino alcohols comprising an N-methyl isoindoline moiety and their evaluation as NMDA receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5795-5799.	1.0	16
50	(S)â€•and (R)â€Fluoxetine as Native Markers in Mass Spectrometry (MS) Binding Assays Addressing the Serotonin Transporter. ChemMedChem, 2011, 6, 1900-1908.	1.6	16
51	MS Binding Assays for D₁ and D₅ Dopamine Receptors. ChemMedChem, 2015, 10, 1924-1931.	1.6	16
52	The Environment Shapes the Inner Vestibule of LeuT. PLoS Computational Biology, 2016, 12, e1005197.	1.5	16
53	Development of Highly Potent GAT1 Inhibitors: Synthesis of Nipecotic Acid Derivatives with Nâ€Arylalkynyl Substituents. ChemMedChem, 2017, 12, 362-371.	1.6	16
54	A Library Screening Strategy Combining the Concepts of MS Binding Assays and Affinity Selection Mass Spectrometry. Frontiers in Chemistry, 2019, 7, 665.	1.8	16

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55	Counteracting desensitization of human Î±7-nicotinic acetylcholine receptors with bispyridinium compounds as an approach against organophosphorus poisoning. Toxicology Letters, 2018, 293, 149-156.	0.4	15
56	Development of New Photoswitchable Azobenzene Based Î³-Aminobutyric Acid (GABA) Uptake Inhibitors with Distinctly Enhanced Potency upon Photoactivation. Journal of Medicinal Chemistry, 2018, 61, 6211-6235.	2.9	15
57	Diastereoselective synthesis of Î²-amino acid derivatives from dihydropyridones. Tetrahedron, 2008, 64, 7273-7282.	1.0	14
58	Using short columns to speed up LCâ€“MS quantification in MS binding assays. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 1356-1364.	1.2	14
59	Development and validation of a rapid LC-ESI-MS/MS method for quantification of fluoxetine and its application to MS binding assays. Analytical and Bioanalytical Chemistry, 2011, 400, 3505-3515.	1.9	14
60	2-Substituted 4-hydroxybutanamides as potential inhibitors of Î³-aminobutyric acid transporters mGAT1â€“mGAT4: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2013, 21, 5154-5167.	1.4	14
61	Novel Allosteric Ligands of Î³-Aminobutyric Acid Transporter 1 (GAT1) by MS Based Screening of Pseudostatic Hydrazone Libraries. Journal of Medicinal Chemistry, 2018, 61, 10310-10332.	2.9	14
62	Discovery of multifunctional anti-Alzheimerâ€™s agents with a unique mechanism of action including inhibition of the enzyme butyrylcholinesterase and Î³-aminobutyric acid transporters. European Journal of Medicinal Chemistry, 2021, 218, 113397.	2.6	14
63	Development and validation of an LC-ESI-MS/MS method for the triple reuptake inhibitor indatraline enabling its quantification in MS Binding Assays. Analytical and Bioanalytical Chemistry, 2015, 407, 471-485.	1.9	13
64	Asymmetric alkylation of Nâ€acylisoindolinâ€1â€ones via Î±â€bromoimides: A novel route to 1â€substituted isoindolines. Journal of Heterocyclic Chemistry, 2007, 44, 575-590.	1.4	12
65	Simultaneous Multiple MS Binding Assays Addressing D₁ and D₂ Dopamine Receptors. ChemMedChem, 2017, 12, 1585-1594.	1.6	12
66	Synthesis of Allene Substituted Nipecotic Acids by Allenylation of Terminal Alkynes. Journal of Organic Chemistry, 2017, 82, 8371-8388.	1.7	12
67	Asymmetric Synthesis of 1-Substituted 1,2,3,4-Tetrahydroisoquinolines by Asymmetric Electrophilic Î±-Amidoalkylation Reactions. Heterocycles, 2003, 61, 299.	0.4	12
68	Inter- and Intramolecular [4+2]-Cycloaddition Reactions with 4,4-Disubstituted N-Silyl-1,4-dihydropyridines as Precursors for N-Protonated 2-Azabutadiene Intermediates. Synthesis, 2014, 46, 1630-1638.	1.2	11
69	Application of MS Transport Assays to the Four Human Î³â€Aminobutyric Acid Transporters. ChemMedChem, 2015, 10, 1498-1510.	1.6	11
70	Novel mouse GABA uptake inhibitors with enhanced inhibitory activity toward mGAT3/4 and their effect on pain threshold in mice. European Journal of Medicinal Chemistry, 2020, 188, 111920.	2.6	11
71	Synthesis of 4-Silyl-substituted Methyl Nicotinates via Silylcupration of N-Acylpyridinium Salts. Heterocycles, 1998, 48, 2653.	0.4	10
72	[3H]ifenprodil binding to NMDA receptors in porcine hippocampal brain membranes. European Journal of Pharmacology, 2000, 394, 211-219.	1.7	10

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73	Synthesis and biological evaluation of a series of N -alkylated imidazole alkanoic acids as mGAT3 selective GABA uptake inhibitors. European Journal of Medicinal Chemistry, 2016, 124, 852-880.	2.6	10
74	Electrophysiological investigation of the effect of structurally different bispyridinium non-oxime compounds on human Î±7-nicotinic acetylcholine receptor activityâ€"An in vitro structure-activity analysis. Toxicology Letters, 2018, 293, 157-166.	0.4	10
75	Synthesis of a Series of Structurally Diverse MB327 Derivatives and Their Affinity Characterization at the Nicotinic Acetylcholine Receptor. ChemMedChem, 2018, 13, 1806-1816.	1.6	10
76	MS binding assays for GlyT1 based on Org24598 as nonlabelled reporter ligand. Neuropharmacology, 2019, 161, 107561.	2.0	10
77	Isomerization of N-Acly-1,2,5,6-tetrahydropyridines to N-Acyl-enamines by Palladium on Carbon. Heterocycles, 1987, 26, 917.	0.4	10
78	Stereoselective Synthesis of 1-Substi- tuted 1,2,3,4-Tetrahydro-b-carbolines by Asymmetric Electrophilic a-Amido- alkylation Reactions. Heterocycles, 2004, 63, 2747.	0.4	9
79	Development, validation and application of a 96-well enzymatic assay based on LC-ESI-MS/MS quantification for the screening of selective inhibitors against Mycobacterium tuberculosis purine nucleoside phosphorylase. Analytica Chimica Acta, 2016, 943, 89-97.	2.6	9
80	Simultaneous Multiple MS Binding Assays for the Dopamine, Norepinephrine, and Serotonin Transporters. ChemMedChem, 2018, 13, 453-463.	1.6	9
81	Searching for putative binding sites of the bispyridinium compound MB327 in the nicotinic acetylcholine receptor. Toxicology Letters, 2018, 293, 184-189.	0.4	9
82	Synthesis of a Series of Nonâ€Symmetric Bispyridinium and Related Compounds and Their Affinity Characterization at the Nicotinic Acetylcholine Receptor. ChemMedChem, 2018, 13, 2653-2663.	1.6	9
83	Synthesis and biological evaluation of novel N-substituted nipecotic acid derivatives with an alkyne spacer as GABA uptake inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 3668-3687.	1.4	9
84	Zinc Iodide as an Efficient Catalyst in the TMS-Azide Modified Passerini Reaction. Heterocycles, 2007, 74, 661.	0.4	9
85	NMDA-NR2B subtype selectivity of stereoisomeric 2-(1,2,3,4-tetrahydro-1-isoquinolyl)ethanol derivatives. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2231-2234.	1.0	8
86	Screening oxime libraries by means of mass spectrometry (MS) binding assays: Identification of new highly potent inhibitors to optimized inhibitors Î³-aminobutyric acid transporter 1. Bioorganic and Medicinal Chemistry, 2019, 27, 1232-1245.	1.4	8
87	First asymmetric syntheses of 6-substituted nipecotic acid derivatives. Tetrahedron, 2004, 60, 307-318.	1.0	7
88	A Rat Brain Bicistronic Gene with an Internal Ribosome Entry Site Codes for a Phencyclidine-binding Protein with Cytotoxic Activity. Journal of Biological Chemistry, 2009, 284, 2245-2257.	1.6	7
89	Enantiopurity Determination of the Enantiomers of the Triple Reuptake Inhibitor Indatraline. Chirality, 2013, 25, 923-933.	1.3	7
90	MS Transport Assays for Î³-Aminobutyric Acid Transportersâ€"An Efficient Alternative for Radiometric Assays. Analytical Chemistry, 2014, 86, 7575-7583.	3.2	7

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91	Shuttleâ€“Cargo Fusion Molecules of Transport Peptides and the hD_{2/3}Receptor Antagonist Fallypride: A Feasible Approach To Preserve Ligandâ€“Receptor Binding?. Journal of Medicinal Chemistry, 2014, 57, 4368-4381.	2.9	7
92	Regioselective and Transition-Metal-Free Addition of tert-Butyl Magnesium Reagents to Pyridine Derivatives: A Convenient Method for the Synthesis of 3-Substituted 4-tert-Butylpyridine Derivatives. Synthesis, 2017, 49, 4055-4064.	1.2	7
93	Synthesis and biological evaluation of novel N-substituted nipecotic acid derivatives with a trans-alkene spacer as potent GABA uptake inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 5944-5961.	1.4	7
94	Synthesis and Biological Evaluation of Nipecotic Acid and Guvacine Derived 1,3â€Disubstituted Allenes as Inhibitors of Murine GABA Transporter mGAT1. ChemMedChem, 2019, 14, 1135-1151.	1.6	7
95	Nâ€Substituted Nipecotic Acids as (S)â€SNAPâ€5114 Analogues with Modified Lipophilic Domains. ChemMedChem, 2020, 15, 756-771.	1.6	7
96	Rearrangement of Dialkyl-2-(azetidin-3-yl)propane-1,3-dioates â€" A Structural Revision. Heterocycles, 2008, 75, 2981.	0.4	6
97	Novel Functionalized Amino Acids as Inhibitors of GABA Transporters with Analgesic Activity. ACS Chemical Neuroscience, 2021, 12, 3073-3100.	1.7	6
98	Development of tricyclic N-benzyl-4-hydroxybutanamide derivatives as inhibitors of GABA transporters mGAT1-4 with anticonvulsant, antinociceptive, and antidepressant activity. European Journal of Medicinal Chemistry, 2021, 221, 113512.	2.6	6
99	Synthesis and biological evaluation of 4-hydroxy-4-(4-methoxyphenyl)-substituted proline and pyrrolidin-2-ylacetic acid derivatives as GABA uptake inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 470-484.	1.4	5
100	Asymmetric synthesis of all four stereoisomers of 1-amino-3-hydroxy-cyclopentane-1-carboxylic acid. Tetrahedron, 2015, 71, 686-693.	1.0	5
101	Azidobupramine, an Antidepressant-Derived Bifunctional Neurotransmitter Transporter Ligand Allowing Covalent Labeling and Attachment of Fluorophores. PLoS ONE, 2016, 11, e0148608.	1.1	5
102	Synthesis of 1,5â€Ringâ€Fused Imidazoles from Cyclic Imines and TosMIC â€" Identification of in situ Generated N â€Methyleneformamide as a Catalyst in the van Leusen Imidazole Synthesis. European Journal of Organic Chemistry, 2020, 2020, 3599-3612.	1.2	5
103	MS Binding Assays for Glycine Transporter 2 (GlyT2) Employing Org25543 as Reporter Ligand. ChemMedChem, 2021, 16, 199-215.	1.6	5
104	Synthesis of 5-Substituted 7,8-Benzomorphans by Intramolecular Cyclization of N-Protected 4,4-Disubstituted 1,4-Dihydropyridines. Synthesis, 2010, 2010, 2147.	1.2	4
105	Conjugate Addition of Organomagnesium Cuprates to Guvacine Derivatives. European Journal of Organic Chemistry, 2014, 2014, 4398-4409.	1.2	4
106	Determination of enantiomeric excess of nipecotic acid as 1â€(7â€nitrobenzo[c][1,2,5]oxadiazolâ€4â€yl) derivatives. Chirality, 2017, 29, 48-56.	1.3	4
107	Development and validation of an LCâ€ESIâ€MS/MS method for the quantification of Dâ€84, reboxetine and citalopram for their use in MS Binding Assays addressing the monoamine transporters hDAT, hSERT and hNET. Biomedical Chromatography, 2018, 32, e4231.	0.8	4
108	Accessing Tricyclic Imines Comprising a 2-Azabicyclo[2.2.2]octane Scaffold by Intramolecular Hetero-Dielsâ€“Alder Reaction of 4-Alkenyl-Substituted N-Silyl-1,4-dihydropyridines. Synthesis, 2019, 51, 4296-4310.	1.2	4

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109	Synthesis and biological evaluation of novel N-substituted nipecotic acid derivatives with a cis-alkene spacer as GABA uptake inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 822-831.	1.4	4
110	MSâ€Based Screening of 5â€Substituted Nipecotic Acid Derived Hydrazone Libraries as Ligands of the GABA Transporterâ€…1. ChemMedChem, 2019, 14, 583-593.	1.6	4
111	Synthesis and biological evaluation of fluorescent GAT-ligands based on meso-substituted BODIPY dyes. Medicinal Chemistry Research, 2020, 29, 301-327.	1.1	4
112	Synthesis and biological evaluation of Î±- and Î²-hydroxy substituted amino acid derivatives as potential mGAT1â€“4 inhibitors. Medicinal Chemistry Research, 2020, 29, 1321-1340.	1.1	4
113	Synthesis of [²H₇]indatraline. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 721-724.	0.5	3
114	A general approach to substituted diphenyldiazenes. Tetrahedron, 2016, 72, 1579-1589.	1.0	3
115	Synthesis and Bioactivity of Novel N-Benzylic and N-Phenethylic Ephedrine Derivatives. Synthesis, 2017, 49, 5159-5166.	1.2	3
116	Identification of Pyrrolidineâ€3â€acetic Acid Derived Oximes as Potent Inhibitors of Î³â€Aminobutyric Acid Transporterâ€…1 through Library Screening with MS Binding Assays. ChemMedChem, 2018, 13, 2488-2503.	1.6	3
117	Construction of 4-substituted 2-(pyrrolidine-3-yl)acetic acid derivatives as cyclic Î³-aminobutyric acid analogues employing intermolecular [2+2]-photocycloaddition as key steps. Tetrahedron, 2019, 75, 2755-2762.	1.0	3
118	New Resensitizers for the Nicotinic Acetylcholine Receptor by Ligand-Based Pharmacophore Modeling. Current Computer-Aided Drug Design, 2018, 15, 104-109.	0.8	3
119	Synthesis and pharmacological evaluation of new 4,4-diphenylbut-3-enyl derivatives of 4-hydroxybutanamides as GABA uptake inhibitors. Acta Poloniae Pharmaceutica, 2012, 69, 157-60.	0.3	3
120	Synthesis of 4,4-Disubstituted Piperidine-2-carbonitriles and Piperidine-2,6-dicarbonitriles as Precursors for New Î±-Amino Acids. Synthesis, 2011, 2011, 3332-3342.	1.2	2
121	Development and validation of an LCâ€ESIâ€MS/MS quantification method for a potential Î³â€aminobutyric acid transporter 3 (GAT3) marker and its application in preliminary MS binding assays. Biomedical Chromatography, 2013, 27, 641-654.	0.8	2
122	Determination of the enantiomeric purity of the selective dopamine transporter inhibitor (+)â€R,Râ€4â€(2â€benzhydryloxyethyl)â€1â€(4â€fluorobenzyl)piperidinâ€3â€ol. Chirality, 2017, 29, 294-303.	1.3	2
123	Generation and screening of pseudostatic hydrazone libraries derived from 5-substituted nipecotic acid derivatives at the GABA transporter mGAT4. Bioorganic and Medicinal Chemistry, 2019, 27, 144-152.	1.4	2
124	Screening for New Inhibitors of Glycine Transporter 1 and 2 by Means of MS Binding Assays. ChemMedChem, 2021, 16, 3094-3104.	1.6	2
125	Electrocyclic ring-opening reactions may cause failure of enolate alkylation of 1,4-oxazin-2-one based chiral glycine equivalents. Tetrahedron, 2008, 64, 5107-5110.	1.0	1
126	Asymmetric Synthesis of Pyrido[1,2-c]pyrimidinones. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 653-661.	0.3	1

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127	Combination of MS Binding Assays and affinity selection mass spectrometry for screening of structurally homogenous libraries as exemplified for a focused oxime library addressing the neuronal GABA transporter 1. European Journal of Medicinal Chemistry, 2020, 206, 112598.	2.6	1
128	Synthesis and biological evaluation of fluorescent GAT-ligands based on asymmetric substituted BODIPY dyes. Medicinal Chemistry Research, 2020, 29, 767-782.	1.1	1
129	Synthesis and biological evaluation of novel N-substituted nipecotic acid derivatives with tricyclic cage structures in the lipophilic domain as GABA uptake inhibitors. Medicinal Chemistry Research, 2021, 30, 586-609.	1.1	1
130	Application of the concept of oxime library screening by mass spectrometry (MS) binding assays to pyrrolidine-3-carboxylic acid derivatives as potential inhibitors of Î³-aminobutyric acid transporter 1 (GAT1). Bioorganic and Medicinal Chemistry, 2019, 27, 2753-2763.	1.4	0