

Jack Deruiter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

1,015
citations

18
h-index

26
g-index

85
ext. papers

1,090
ext. citations

2.9
avg, IF

4.08
L-index

#	Paper	IF	Citations
84	Structure fragmentation studies of ring-substituted N-trifluoroacetyl-N-benzylphenethylamines related to the NBOMe drugs. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8593	2.2	3
83	Gas Chromatography-Mass Spectrometry (GC-MS) and Gas Chromatography-Infrared (GC-IR) Analyses of the Chloro-1- n-pentyl-3-(1-naphthoyl)-Indoles: Regioisomeric Cannabinoids. <i>Applied Spectroscopy</i> , 2019 , 73, 433-443	3.1	2
82	Analytical studies on the 2-naphthoyl substituted-1-n-pentylindoles: Regioisomeric synthetic cannabinoids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1077-1078, 77-84	3.2	6
81	Correlation of vapor phase infrared spectra and regioisomeric structure in synthetic cannabinoids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 196, 375-384	4.4	8
80	Disubstituted piperazine analogues of trifluoromethylphenylpiperazine and methylenedioxybenzylpiperazine: analytical differentiation and serotonin receptor binding studies. <i>Forensic Sciences Research</i> , 2018 , 3, 161-169	3.6	3
79	Comparing the dopaminergic neurotoxic effects of benzylpiperazine and benzoylpiperazine. <i>Toxicology Mechanisms and Methods</i> , 2018 , 28, 177-186	3.6	10
78	Slow-Binding Inhibition of Mycobacterium tuberculosis Shikimate Kinase by Manzamine Alkaloids. <i>Biochemistry</i> , 2018 , 57, 4923-4933	3.2	15
77	Dopaminergic neurotoxic effects of 3-TFMPP derivatives. <i>Life Sciences</i> , 2018 , 209, 357-369	6.8	10
76	GC-MS and GC-IR Analyses of the Methoxy-1-n-pentyl-3-(1-naphthoyl)-indoles: Regioisomeric Designer Cannabinoids. <i>Journal of Chromatographic Science</i> , 2018 , 56, 779-788	1.4	1
75	GCMS, GCMS/MS and GC-IR differentiation of carbonyl modified analogues of MDPV. <i>Forensic Chemistry</i> , 2017 , 3, 58-68	2.8	16
74	GC-MS, GC-MS/MS and GC-IR differentiation of desoxy cathinone derivatives: Cyclic tertiary amines related to MDPV. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1048, 38-48	3.2	11
73	Differentiation of the six dimethoxypropylvalerone regioisomers: GC-MS, GC-MS/MS and GC-IR. <i>Talanta</i> , 2017 , 171, 220-228	6.2	10
72	GC-MS, MS/MS and GC-IR Analysis of a Series of Methylenedioxyphenyl-Aminoketones: Precursors, Ring Regioisomers and Side-Chain Homologs of 3,4-Methylenedioxypropylvalerone. <i>Journal of Chromatographic Science</i> , 2017 , 55, 99-108	1.4	10
71	GC-MS and IR Studies on the Six Possible Ring Regioisomeric Dimethylphenylpiperazines. <i>Journal of Pharmaceutical Sciences and Pharmacology</i> , 2017 , 3, 44-53		
70	Product ion tandem mass spectrometric differentiation of regioisomeric side-chain groups in cathinone derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1713-1721	2.2	11
69	Differentiation of cyclic tertiary amine cathinone derivatives by product ion electron ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 763-72	2.2	9
68	Differentiation of homologous and regioisomeric methoxy-cathinone derivatives by GCMS, MS/MS and GCIR. <i>Forensic Chemistry</i> , 2016 , 2, 46-54	2.8	10

67	Mass spectral studies on 1-n-pentyl-3-(1-naphthoyl)indole (JWH-018), three deuterium-labeled analogues and the inverse isomer 1-naphthoyl-3-n-pentylindole. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 871-7	2.2	15
66	GC-MS studies on the six naphthoyl-substituted 1-n-pentyl-indoles: JWH-018 and five regioisomeric equivalents. <i>Forensic Science International</i> , 2015 , 252, 107-13	2.6	22
65	GC-MS and IR studies on the six ring regioisomeric dimethoxyphenylpiperazines (DOMePPs). <i>Journal of Forensic Sciences</i> , 2015 , 60, 285-94	1.8	1
64	GC-MS analysis of the regioisomeric methoxy- and methyl-benzoyl-1-pentylindoles: Isomeric synthetic cannabinoids. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 291-8	2	11
63	Regioisomeric bromodimethoxy benzyl piperazines related to the designer substance 4-bromo-2,5-dimethoxybenzylpiperazine: GC-MS and FTIR analysis. <i>Forensic Science International</i> , 2014 , 240, 126-36	2.6	4
62	GC-MS and IR studies on the six ring regioisomeric dimethoxybenzoyl-N-methylpiperazines (DMBzMPs). <i>Forensic Science International</i> , 2014 , 237, 53-61	2.6	1
61	Synthesis and antinociceptive properties of N-phenyl-N-(1-(2-(thiophen-2-yl)ethyl)azepane-4-yl)propionamide in the mouse tail-flick and hot-plate tests. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 644-8	2.9	5
60	Synthetic cathinones: "a khat and mouse game". <i>Toxicology Letters</i> , 2014 , 229, 349-56	4.4	51
59	Elucidating the neurotoxic effects of MDMA and its analogs. <i>Life Sciences</i> , 2014 , 101, 37-42	6.8	18
58	GC-MS and FTIR evaluation of the six benzoyl-substituted-1-pentylindoles: isomeric synthetic cannabinoids. <i>Talanta</i> , 2014 , 129, 171-82	6.2	20
57	Analytical differentiation of 1-alkyl-3-acylindoles and 1-acyl-3-alkylindoles: isomeric synthetic cannabinoids. <i>Analytical Chemistry</i> , 2014 , 86, 3801-8	7.8	16
56	Differentiation of the 1-(methylenedioxyphenyl)-2-piperazinopropanes and 1-(methoxyphenyl)-2-piperazinopropanones by GC-IRD and GC-MS. <i>Forensic Science International</i> , 2014 , 235, 40-51	2.6	5
55	Gas chromatography/mass spectrometry analysis of the six-ring regioisomeric dimethoxybenzyl-N-methylpiperazines (DMBMPs). <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2551-2558	2.2	6
54	Differentiation of trifluoromethylbenzylpiperazines (TFMBZPs) and trifluoromethylbenzoylpiperazines (TFMBOPs) by GC-MS. <i>Forensic Science International</i> , 2013 , 233, 113-20 ⁶	2.6	2
53	GC-MS and GC-IRD studies on the six-ring regioisomeric dimethoxybenzylpiperazines (DMBPs). <i>Drug Testing and Analysis</i> , 2013 , 5, 560-72	3.5	8
52	GC-MS and GC-IRD studies on the six ring regioisomeric dimethoxybenzoylpiperazines (DMBzPs). <i>Forensic Science International</i> , 2013 , 231, 54-60	2.6	5
51	Studies on the formation of N-methylperfluoroalkylnitrile cations from perfluoroacylphenethylamines in electron ionisation mass spectrometry: unique marker ion fragments in methamphetamine analysis. <i>European Journal of Mass Spectrometry</i> , 2012 , 18, 287-99	1.1	4
50	Differentiation of methylenedioxybenzylpiperazines and ethoxybenzylpiperazines by GC-IRD and GC-MS. <i>Journal of Chromatographic Science</i> , 2012 , 50, 553-63	1.4	3

49	Differentiation of methoxybenzoylpiperazines (OMeBzPs) and methylenedioxybenzylpiperazines (MDBPs) By GC-IRD and GC-MS. <i>Drug Testing and Analysis</i> , 2012 , 4, 430-40	3.5	6
48	Differentiation of methylbenzylpiperazines (MBPs) and benzoylpiperazine (BNZP) using GC-MS and GC-IRD. <i>Drug Testing and Analysis</i> , 2012 , 4, 441-8	3.5	5
47	Differentiation of methylenedioxybenzylpiperazines (MDBPs) and methoxymethylbenzylpiperazines (MMBPs) By GC-IRD and GC-MS. <i>Forensic Science International</i> , 2011 , 210, 122-8	2.6	13
46	GC-MS and GC-IRD studies on the ring isomers of N-methyl-2-methoxyphenyl-3-butanamines (MPBA) related to 3,4-MDMA. <i>Journal of Chromatographic Science</i> , 2011 , 49, 345-52	1.4	2
45	GC-MS studies on side chain regioisomers related to substituted methylenedioxyphenethylamines: MDEA, MDMMA, and MBDB. <i>Journal of Chromatographic Science</i> , 2010 , 48, 726-32	1.4	1
44	Probenecid treatment enhances retinal and brain delivery of N-4-benzoylaminophenylsulfonylglycine: an anionic aldose reductase inhibitor. <i>Brain Research Bulletin</i> , 2010 , 81, 327-32	3.9	4
43	GC-IRD studies on regioisomeric ring substituted methoxy methyl phenylacetones related to 3,4-methylenedioxyphenylacetone. <i>Forensic Science International</i> , 2010 , 194, 39-48	2.6	3
42	GC-IRD methods for the identification of some tertiary amines related to MDMA. <i>Forensic Science International</i> , 2010 , 199, 18-28	2.6	4
41	GC-MS and GC-IRD analysis of ring and side chain regioisomers of ethoxyphenethylamines related to the controlled substances MDEA, MDMMA and MBDB. <i>Forensic Science International</i> , 2010 , 200, 73-86	2.6	10
40	Differentiation of methylenedioxybenzylpiperazines (MDBP) by GC-IRD and GC-MS. <i>Forensic Science International</i> , 2010 , 195, 78-85	2.6	16
39	GC and mass spectral studies on acylated side chain regioisomers of 3-methoxy-4-methyl-phenethylamine and 4-methoxy-3-methyl-phenethylamine. <i>Journal of Chromatographic Science</i> , 2009 , 47, 279-86	1.4	3
38	GC-MS evaluation of a series of acylated derivatives of 3,4-methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2009 , 47, 359-64	1.4	3
37	GC-IRD methods for the identification of isomeric ethoxyphenethylamines and methoxymethcathinones. <i>Forensic Science International</i> , 2009 , 184, 54-63	2.6	34
36	Comparison of GC-MS and GC-IRD methods for the differentiation of methamphetamine and regioisomeric substances. <i>Forensic Science International</i> , 2009 , 185, 67-77	2.6	25
35	Synthetic approaches to hexahydropyrrolo[1,2-b]isoquinolones. <i>Journal of Heterocyclic Chemistry</i> , 2009 , 26, 1815-1817	1.9	6
34	GC-MS studies on the regioisomeric methoxy-methyl-phenethylamines related to MDEA, MDMMA, and MBDB. <i>Journal of Chromatographic Science</i> , 2008 , 46, 900-6	1.4	5
33	GC-MS analysis of acylated derivatives of a series of side chain regioisomers of 2-methoxy-4-methyl-phenethylamines. <i>Journal of Chromatographic Science</i> , 2008 , 46, 375-80	1.4	9
32	GC-MS analysis of ring and side chain regioisomers of ethoxyphenethylamines. <i>Journal of Chromatographic Science</i> , 2008 , 46, 671-9	1.4	21

31	GC-MS studies on acylated derivatives of 3-methoxy-4-methyl- and 4-methoxy-3-methyl-phenethylamines: regioisomers related to 3,4-MDMA. <i>Forensic Science International</i> , 2008 , 178, 61-82	2.6	18
30	Chromatographic and mass spectral studies on methoxy methyl methamphetamines related to 3,4-methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2007 , 45, 466-76	1.4	16
29	GC-MS studies on the regioisomeric 2,3- and 3,4-methylenedioxyphenethylamines related to MDEA, MDMMA, and MBDB. <i>Journal of Chromatographic Science</i> , 2007 , 45, 229-35	1.4	5
28	Gas chromatography-mass spectrometry analysis of regioisomeric ring substituted methoxy methyl phenylacetones. <i>Journal of Chromatographic Science</i> , 2007 , 45, 458-65	1.4	14
27	GC-MS analysis of acylated derivatives of the side-chain regioisomers of 4-methoxy-3-methyl-phenethylamines related to methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2007 , 45, 477-85	1.4	29
26	Chromatographic and mass spectral studies on methoxymethcathinones related to 3,4-methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2006 , 44, 155-61	1.4	46
25	Synthesis of 1,2,3,12a,12b-Hexahydrocyclopropa-[1,2-d]benzo[f]pyrrolo[1,2-b]isoquinolin-5,7-dione related to duocarmycins and anthramycin. <i>Journal of Heterocyclic Chemistry</i> , 2005 , 42, 297-301	1.9	8
24	GC-MS analysis of acylated derivatives of the side chain and ring regioisomers of methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2005 , 43, 296-303	1.4	37
23	Systemic and ocular pharmacokinetics of N-4-benzoylaminophenylsulfonylglycine (BAPSG), a novel aldose reductase inhibitor. <i>Journal of Pharmacy and Pharmacology</i> , 2004 , 56, 351-8	4.8	4
22	Chromatographic and mass spectral studies on isobaric and isomeric substances related to 3,4-methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2004 , 42, 464-9	1.4	11
21	Gas chromatographic optimization studies on the side chain and ring regioisomers of methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2004 , 42, 293-8	1.4	27
20	Chromatographic and spectroscopic methods of identification for the side-chain regioisomers of 3,4-methylenedioxyphenethylamines related to MDEA, MDMMA, and MBDB. <i>Journal of Chromatographic Science</i> , 2003 , 41, 227-33	1.4	25
19	A biodegradable injectable implant sustains systemic and ocular delivery of an aldose reductase inhibitor and ameliorates biochemical changes in a galactose-fed rat model for diabetic complications. <i>Pharmaceutical Research</i> , 2002 , 19, 278-85	4.5	26
18	In-vitro hydrolysis, permeability, and ocular uptake of prodrugs of N-[4-(benzoylamino)phenylsulfonyl]glycine, a novel aldose reductase inhibitor. <i>Journal of Pharmacy and Pharmacology</i> , 2000 , 52, 1113-22	4.8	7
17	Rabbit corneal and conjunctival permeability of the novel aldose reductase inhibitors: N-[[4-(benzoylamino)phenyl]sulphonyl]glycines and N-benzoyl-N-phenylglycines. <i>Journal of Pharmacy and Pharmacology</i> , 1999 , 51, 921-7	4.8	3
16	Liquid Chromatographic and Mass Spectral Methods of Identification for the Regioisomeric 2,3- and 3,4-Methylenedioxyphenalkylamines. <i>Journal of Chromatographic Science</i> , 1998 , 36, 131-138	1.4	15
15	Studies on Aldose Reductase Inhibitors from Fungi. II. Moniliformin and Small Ring Analogues. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1993 , 7, 249-256		14
14	Studies on aldose reductase inhibitors from fungi. I. Citrinin and related benzopyran derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1992 , 6, 201-10		22

13	Comparison of the catalytic and inhibitory properties of <i>Pachysolen tannophilus</i> xylose reductase to rat lens aldose reductase. <i>Applied Microbiology and Biotechnology</i> , 1992 , 37, 109-13	5.7	1
12	Investigation of the synthesis and analgesic activity of 1-substituted 4-(propananilido)perhydroazepines. <i>Journal of Heterocyclic Chemistry</i> , 1992 , 29, 779-786	1.9	7
11	Inhibitory activity and mechanism of inhibition of the N-[[[(4-benzoylamino)phenyl]sulfonyl]amino acid aldose reductase inhibitors. <i>Biochemical Pharmacology</i> , 1990 , 40, 2219-26	6	8
10	Synthesis and in vitro aldose reductase inhibitory activity of compounds containing an N-acylglycine moiety. <i>Journal of Medicinal Chemistry</i> , 1989 , 32, 1033-8	8.3	33
9	Studies of the inhibition of aldose reductase: evidence for multiple site binding. <i>International Journal of Biochemistry & Cell Biology</i> , 1989 , 21, 1275-85		6
8	N- and 2-substituted N-(phenylsulfonyl)glycines as inhibitors of rat lens aldose reductase. <i>Journal of Medicinal Chemistry</i> , 1989 , 32, 145-51	8.3	22
7	Liquid chromatographic determination of the enantiomeric composition of amphetamine prepared from norephedrine and norpseudoephedrine. <i>Journal of Chromatographic Science</i> , 1987 , 25, 38-42	1.4	16
6	Reversed Phase Liquid Chromatographic Separation of Lysergic Acid Diethylamide (LSD) and Lysergic Acid Methylpropylamide (LAMPA). <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987 , 10, 3481-3488		7
5	Synthesis, Identification, and Acute Toxicity of Some 7V-Alkyl Derivatives of 3,4-Methylenedioxyamphetamine. <i>Journal of the Association of Official Analytical Chemists</i> , 1987 , 70, 981-986		5
4	In vitro aldose reductase inhibitory activity of substituted N-benzenesulfonylglycine derivatives. <i>Journal of Pharmaceutical Sciences</i> , 1987 , 76, 149-52	3.9	18
3	Synthesis and reactions of 4-isopropylidene-1-aryl-3-methyl-2-pyrazolin-5-ones. <i>Journal of Heterocyclic Chemistry</i> , 1987 , 24, 149-153	1.9	29
2	Synthesis and aldose reductase inhibitory activity of substituted 2-oxoquinoline-1-acetic acid derivatives. <i>Journal of Medicinal Chemistry</i> , 1986 , 29, 2024-8	8.3	31
1	Spectrophotometric and Liquid Chromatographic Identification of 3,4-Methylenedioxyphenylisopropylamine and Its N-Methyl and N-Ethyl Homologs. <i>Journal of the Association of Official Analytical Chemists</i> , 1986 , 69, 681-686		3