

Jack Deruiter

List of Publications by Year in descending order

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304602

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477173

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85
all docs

85
docs citations

85
times ranked

834
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic cathinones: α -khat and mouse game α . Toxicology Letters, 2014, 229, 349-356.	0.4	57
2	Chromatographic and Mass Spectral Studies on Methoxymethcathinones Related to 3,4-Methylenedioxyamphetamine. Journal of Chromatographic Science, 2006, 44, 155-161.	0.7	50
3	GC-MS Analysis of Acylated Derivatives of The Side Chain and Ring Regioisomers of Methylenedioxyamphetamine. Journal of Chromatographic Science, 2005, 43, 296-303.	0.7	42
4	Synthesis and in vitro aldose reductase inhibitory activity of compounds containing an N-acylglycine moiety. Journal of Medicinal Chemistry, 1989, 32, 1033-1038.	2.9	38
5	GC-IRD methods for the identification of isomeric ethoxyphenethylamines and methoxymethcathinones. Forensic Science International, 2009, 184, 54-63.	1.3	38
6	Synthesis and aldose reductase inhibitory activity of substituted 2-oxoquinoline-1-acetic acid derivatives. Journal of Medicinal Chemistry, 1986, 29, 2024-2028.	2.9	35
7	Synthesis and reactions of 4-isopropylidene-1-aryl-3-methyl-2-pyrazolin-5-ones. Journal of Heterocyclic Chemistry, 1987, 24, 149-153.	1.4	34
8	Comparison of GC-MS and GC-IRD methods for the differentiation of methamphetamine and regioisomeric substances. Forensic Science International, 2009, 185, 67-77.	1.3	34
9	Gas Chromatographic Optimization Studies on the Side Chain and Ring Regioisomers of Methylenedioxyamphetamine. Journal of Chromatographic Science, 2004, 42, 293-298.	0.7	33
10	GC-MS Analysis of Acylated Derivatives of the Side-Chain Regioisomers of 4-Methoxy-3-Methyl-Phenethylamines Related to Methylenedioxyamphetamine. Journal of Chromatographic Science, 2007, 45, 477-485.	0.7	32
11	Chromatographic and Mass Spectral Studies on Methoxy Methyl Methamphetamines Related to 3,4-Methylenedioxyamphetamine. Journal of Chromatographic Science, 2007, 45, 466-476.	0.7	31
12	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. Pharmaceutical Research, 2002, 19, 278-285.	1.7	30
13	Studies on Aldose Reductase Inhibitors from Fungi. I. Citrinin and Related Benzopyran Derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 1992, 6, 201-210.	0.5	28
14	N- and 2-substituted N-(phenylsulfonyl)glycines as inhibitors of rat lens aldose reductase. Journal of Medicinal Chemistry, 1989, 32, 145-151.	2.9	25
15	Chromatographic and Spectroscopic Methods of Identification for the Side-Chain Regioisomers of 3,4-Methylenedioxyphenethylamines Related to MDEA, MDMA, and MBDB. Journal of Chromatographic Science, 2003, 41, 227-233.	0.7	25
16	GC-MS Analysis of Ring and Side Chain Regioisomers of Ethoxyphenethylamines. Journal of Chromatographic Science, 2008, 46, 671-679.	0.7	25
17	GC-MS, GC-MS/MS and GC-IR differentiation of carbonyl modified analogues of MDPV. Forensic Chemistry, 2017, 3, 58-68.	1.7	25
18	In Vitro Aldose Reductase Inhibitory Activity of Substituted N-Benzenesulfonyl-glycine Derivatives. Journal of Pharmaceutical Sciences, 1987, 76, 149-152.	1.6	23

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19	GC-MS and FTIR evaluation of the six benzoyl-substituted-1-pentylindoles: Isomeric synthetic cannabinoids. <i>Talanta</i> , 2014, 129, 171-182.	2.9	23
20	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, 107-113.	1.3	23
21	Slow-Binding Inhibition of <i>Mycobacterium tuberculosis</i> Shikimate Kinase by Manzamine Alkaloids. <i>Biochemistry</i> , 2018, 57, 4923-4933.	1.2	23
22	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.	1.3	22
23	Liquid Chromatographic Determination of the Enantiomeric Composition of Amphetamine Prepared from Norephedrine and Norpseudoephedrine. <i>Journal of Chromatographic Science</i> , 1987, 25, 38-42.	0.7	21
24	Elucidating the neurotoxic effects of MDMA and its analogs. <i>Life Sciences</i> , 2014, 101, 37-42.	2.0	19
25	Mass spectral studies on 1-(1-pentyl-3-(1-naphthoyl)indole (JWH-018), three deuterium-labeled analogues and the inverse isomer 1-naphthoyl-3-(1-pentylindole). <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 871-877.	0.7	19
26	Differentiation of methylenedioxybenzylpiperazines (MDBP) by GC-IRD and GC-MS. <i>Forensic Science International</i> , 2010, 195, 78-85.	1.3	18
27	Analytical Differentiation of 1-Alkyl-3-acylindoles and 1-Acyl-3-alkylindoles: Isomeric Synthetic Cannabinoids. <i>Analytical Chemistry</i> , 2014, 86, 3801-3808.	3.2	17
28	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.	0.5	16
29	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.	0.7	16
30	Gas Chromatography-Mass Spectrometry Analysis of Regioisomeric Ring Substituted Methoxy Methyl Phenylacetones. <i>Journal of Chromatographic Science</i> , 2007, 45, 458-465.	0.7	16
31	Differentiation of methylenedioxybenzylpiperazines (MDBPs) and methoxymethylbenzylpiperazines (MMBPs) By GC-IRD and GC-MS. <i>Forensic Science International</i> , 2011, 210, 122-128.	1.3	14
32	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.	0.7	14
33	Differentiation of the six dimethoxypropylvalerone regioisomers: GC-MS, GC-MS/MS and GC-IR. <i>Talanta</i> , 2017, 171, 220-228.	2.9	14
34	Chromatographic and Mass Spectral Studies on Isobaric and Isomeric Substances Related to 3,4-Methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2004, 42, 464-469.	0.7	13
35	Dopaminergic neurotoxic effects of 3-TFMPP derivatives. <i>Life Sciences</i> , 2018, 209, 357-369.	2.0	13
36	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.	1.3	12

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37	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.	1.2	12
38	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, 291-298.	1.3	11
39	Differentiation of homologous and regioisomeric methoxy-cathinone derivatives by GC-MS, MS/MS and GC-IR. <i>Forensic Chemistry</i> , 2016, 2, 46-54.	1.7	11
40	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.	0.7	11
41	Comparing the dopaminergic neurotoxic effects of benzylpiperazine and benzoylpiperazine. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 177-186.	1.3	11
42	Reversed Phase Liquid Chromatographic Separation of Lysergic Acid Diethylamide (LSD) and Lysergic Acid Methylpropylamide (LAMP). <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987, 10, 3481-3488.	0.9	10
43	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.	1.4	10
44	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, 375-380.	0.7	10
45	GC-MS and GC-IRD studies on the six-ring regioisomeric dimethoxybenzylpiperazines (DMBPs). <i>Drug Testing and Analysis</i> , 2013, 5, 560-572.	1.6	9
46	Differentiation of cyclic tertiary amine cathinone derivatives by product ion electron ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 763-772.	0.7	9
47	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.	2.0	9
48	aldose reductase inhibitors. <i>Biochemical Pharmacology</i> , 1990, 40, 2219-2226.	2.0	8
49	Investigation of the synthesis and analgesic activity of 1-substituted 4-(propananilido)perhydroazepines. <i>Journal of Heterocyclic Chemistry</i> , 1992, 29, 779-786.	1.4	8
50	GC-MS Studies on the Regioisomeric Methoxy-Methyl-Phenethylamines Related to MDEA, MDMMA, and MBDB. <i>Journal of Chromatographic Science</i> , 2008, 46, 900-906.	0.7	8
51	Synthetic approaches to hexahydropyrrolo[1,2-b]isoquinolones. <i>Journal of Heterocyclic Chemistry</i> , 2009, 26, 1815-1817.	1.4	8
52	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> , 2010, 52, 1113-1122.	1.2	8
53	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, 229-235.	0.7	7
54	GC-MS Evaluation of a Series of Acylated Derivatives of 3,4-Methylenedioxymethamphetamine. <i>Journal of Chromatographic Science</i> , 2009, 47, 359-364.	0.7	7

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55	Differentiation of methoxybenzoylpiperazines (OMeBzPs) and methylenedioxybenzylpiperazines (MDBPs) By GC-IRD and GC-MS. <i>Drug Testing and Analysis</i> , 2012, 4, 430-440.	1.6	7
56	Synthesis, Identification, and Acute Toxicity of Some 7 α -Alkyl Derivatives of 3,4-Methylenedioxyamphetamine. <i>Journal of the Association of Official Analytical Chemists</i> , 1987, 70, 981-986.	0.2	6
57	Studies of the inhibition of aldose reductase: Evidence for multiple site inhibitor binding. <i>International Journal of Biochemistry & Cell Biology</i> , 1989, 21, 1275-1285.	0.8	6
58	Gas chromatography/mass spectrometry analysis of the six ring regioisomeric dimethoxybenzylmethylpiperazines (DMBMPs). <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2551-2558.	0.7	6
59	GC-MS and GC-IRD studies on the six ring regioisomeric dimethoxybenzoylpiperazines (DMBzPs). <i>Forensic Science International</i> , 2013, 231, 54-60.	1.3	6
60	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.	1.2	6
61	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, 279-286.	0.7	5
62	Systemic and ocular pharmacokinetics of N-4-benzoylaminophenylsulfonylglycine (BAPSC), a novel aldose reductase inhibitor. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 351-358.	1.2	5
63	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> , 2010, 51, 921-927.	1.2	5
64	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, 287-299.	0.5	5
65	Differentiation of methylbenzylpiperazines (MBPs) and benzoylpiperazine (BNZP) using GC-MS and GC-IRD. <i>Drug Testing and Analysis</i> , 2012, 4, 441-448.	1.6	5
66	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.	1.3	5
67	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, 644-648.	1.0	5
68	Structure fragmentation studies of ring-substituted N-trifluoroacetylmethylbenzylphenethylamines related to the NBOMe drugs. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8593.	0.7	5
69	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.	0.2	4
70	GC-IRD studies on regioisomeric ring substituted methoxy methyl phenylacetones related to 3,4-methylenedioxyphenylacetone. <i>Forensic Science International</i> , 2010, 194, 39-48.	1.3	4
71	GC-IRD methods for the identification of some tertiary amines related to MDMA. <i>Forensic Science International</i> , 2010, 199, 18-28.	1.3	4
72	Probenecid treatment enhances retinal and brain delivery of N-4-benzoylaminophenylsulfonylglycine: An anionic aldose reductase inhibitor. <i>Brain Research Bulletin</i> , 2010, 81, 327-332.	1.4	4

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73	Differentiation of Methylenedioxybenzylpiperazines and Ethoxybenzylpiperazines by GC-IRD and GC-MS. Journal of Chromatographic Science, 2012, 50, 553-563.	0.7	4
74	Regioisomeric bromodimethoxy benzyl piperazines related to the designer substance 4-bromo-2,5-dimethoxybenzylpiperazine: GC-MS and FTIR analysis. Forensic Science International, 2014, 240, 126-136.	1.3	4
75	Disubstituted piperazine analogues of trifluoromethylphenylpiperazine and methylenedioxybenzylpiperazine: analytical differentiation and serotonin receptor binding studies. Forensic Sciences Research, 2018, 3, 161-169.	0.9	4
76	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. Applied Spectroscopy, 2019, 73, 433-443.	1.2	3
77	Comparison of the catalytic and inhibitory properties of Pachysolen tannophilus xylose reductase to rat lens aldose reductase. Applied Microbiology and Biotechnology, 1992, 37, 109-13.	1.7	2
78	GC-MS and GC-IRD Studies on the Ring Isomers of N-Methyl-2-Methoxyphenyl-3-Butanamines (MPBA) Related to 3,4-MDMA. Journal of Chromatographic Science, 2011, 49, 345-352.	0.7	2
79	Differentiation of trifluoromethylbenzylpiperazines (TFMBZPs) and trifluoromethylbenzoylpiperazines (TFMBOPs) by GC-MS. Forensic Science International, 2013, 233, 113-120.	1.3	2
80	GC-MS and GC-IR Studies on the Six Ring Regioisomeric Dimethoxyphenylpiperazines (DOMPPs). Journal of Forensic Sciences, 2015, 60, 285-294.	0.9	2
81	GC-MS Studies on Side Chain Regioisomers Related to Substituted Methylenedioxyphenethylamines: MDEA, MDMA, and MBDB. Journal of Chromatographic Science, 2010, 48, 726-732.	0.7	1
82	GC-MS and IR studies on the six ring regioisomeric dimethoxybenzoyl-N-methylpiperazines (DMBzMPs). Forensic Science International, 2014, 237, 53-61.	1.3	1
83	GC-MS and GC-IR Analyses of the Methoxy-1-n-pentyl-3-(1-naphthoyl)-indoles: Regioisomeric Designer Cannabinoids. Journal of Chromatographic Science, 2018, 56, 779-788.	0.7	1
84	GC-MS and IR Studies on the Six Possible Ring Regioisomeric Dimethylphenylpiperazines. Journal of Pharmaceutical Sciences and Pharmacology, 2017, 3, 44-53.	0.2	0