M V N Kumar Talluri

List of Publications by Year
in descending order

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47	690	623188	610482
papers	citations	14 h-index	24 g-index

47	47	47	760
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An overview of recent applications of inductively coupled plasma-mass spectrometry (ICP-MS) in determination of inorganic impurities in drugs and pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1-13.	1.4	134
2	In vitro and in vivo metabolic investigation of the Palbociclib by UHPLC-Q-TOF/MS/MS and in silico toxicity studies of its metabolites. Journal of Pharmaceutical and Biomedical Analysis, 2018, 157, 59-74.	1.4	36
3	First report on the pharmacokinetic profile of nimbolide, a novel anticancer agent in oral and intravenous administrated rats by LC/MS method. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 191-198.	1.2	30
4	Identification of hydrolytic and isomeric N-oxide degradants of vilazodone by on line LCâ€“ESIâ€“MS/MS and APCIâ€“MS. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 353-365.	1.4	28
5	Improvement of Bioavailability and Anti-Inflammatory Potential of Curcumin in Combination with Emu Oil. Inflammation, 2014, 37, 2139-2155.	1.7	25
6	Rapid structural characterization of in vivo and in vitro metabolites of tinoridine using UHPLCâ€“QTOFâ€“MS/MS and in silico toxicological screening of its metabolites. Journal of Mass Spectrometry, 2015, 50, 1222-1233.	0.7	24
7	Development of a validated RP-LC/ESI-MSâ€“MS method for separation, identification and determination of related substances of tamsulosin in bulk drugs and formulations. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 94-103.	1.4	23
8	Continuous counter current extraction, isolation and determination of solanesol in Nicotiana tobacum L. by non-aqueous reversed phase high performance liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 310-315.	1.4	22
9	In vitroand in vivo investigation of metabolic fate of riociguat by HPLC-Q-TOF/MS/MS and in silico evaluation of the metabolites by ADMET predictorâ„¢. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 326-336.	1.4	21
10	Quality by design based development of a selective stability-indicating UPLC method of dolutegravir and characterization of its degradation products by UPLC-QTOF-MS/MS. New Journal of Chemistry, 2015, 39, 6303-6314.	1.4	20
11	Characterization of stress degradation products of mirabegron using UPLC-QTOF-MS/MS and in silico toxicity predictions of its degradation products. RSC Advances, 2015, 5, 31024-31038.	1.7	20
12	Structural characterization of alkaline and oxidative stressed degradation products of lurasidone using LC/ESI/QTOF/MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2015, 105, 1-9.	1.4	18
13	DEVELOPMENT AND VALIDATION OF RP-HPLC AND ULTRAVIOLET SPECTROPHOTOMETRIC METHODS OF ANALYSIS FOR SIMULTANEOUS DETERMINATION OF PARACETAMOL AND LORNOXICAM IN PHARMACEUTICAL DOSAGE FORMS. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 129-140.	0.5	16
14	Selective separation and characterisation of stress degradation products and process impurities of prucalopride succinate by LC-QTOF-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2016, 125, 219-228.	1.4	16
15	Development and validation of a reversed phase liquid chromatographic method for separation and determination of related-substances of modafinil in bulk drugsâ˜†. Talanta, 2007, 73, 407-414.	2.9	14
16	Selective separation, detection of zotepine and mass spectral characterization of degradants by LCâ€“MS/MS/QTOF. Journal of Pharmaceutical Analysis, 2014, 4, 107-116.	2.4	14
17	Isolation, LCâ€“MS/MS and 2D-NMR characterization of alkaline degradants of tenofovir disoproxil fumarate. Journal of Pharmaceutical and Biomedical Analysis, 2015, 107, 175-185.	1.4	14
18	Quality by design: A systematic and rapid liquid chromatography and mass spectrometry method for eprosartan mesylate and its related impurities using a superficially porous particle column. Journal of Separation Science, 2014, 37, 2160-2171.	1.3	13

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19	Identification and characterization of vilazodone metabolites in rats and microsomes by ultrahighâ€performance liquid chromatography/quadrupole timeâ€ofâ€flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1974-1984.	0.7	13
20	Alcaftadine: Selective Separation and Characterization of Degradation Products by LCâ€“QTOF-MS/MS. Chromatographia, 2018, 81, 631-638.	0.7	13
21	Isolation and structural characterization of degradation products of afatinib dimaleate by LC-Q-TOF/MS/MS and NMR: cytotoxicity evaluation of afatinib and isolated degradation products. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 139-146.	1.4	13
22	Experimental Design Approach for Selective Separation of Vilazodone HCl and Its Degradants by LC-PDA and Characterization of Major Degradants by LC/QTOFâ€“MS/MS. Chromatographia, 2014, 77, 1299-1313.	0.7	12
23	Characterization of stress degradation products of nintedanib by UPLC, UHPLC-Q-TOF/MS/MS and NMR: Evidence of a degradation product with a structure alert for mutagenicity. Journal of Pharmaceutical and Biomedical Analysis, 2021, 199, 114037.	1.4	12
24	Characterization of forced degradation products of pazopanib hydrochloride by UHPLCâ€Qâ€TOF/MS and in silico toxicity prediction. Journal of Mass Spectrometry, 2015, 50, 918-928.	0.7	11
25	LC/QTOF/MS/MS characterization, molecular docking and in silico toxicity prediction studies on degradation products of anagliptin. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 92-99.	1.4	11
26	iRGD conjugated nimbolide liposomes protect against endotoxin induced acute respiratory distress syndrome. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 33, 102351.	1.7	11
27	LCâ€“ESI-MS determination and pharmacokinetics of adrafinil in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 873, 119-123.	1.2	10
28	Identification and characterization of fluvastatin metabolites in rats by UHPLC/Qâ€TOF/MS/MS and in silico toxicological screening of the metabolites. Journal of Mass Spectrometry, 2017, 52, 296-314.	0.7	8
29	Characterization of degradation products of regorafenib by LC-QTOF-MS and NMR spectroscopy: investigation of rearrangement and odd-electron ion formation during collision-induced dissociations under ESI-MS/MS. New Journal of Chemistry, 2017, 41, 12091-12103.	1.4	8
30	Characterization of forced degradation products of canagliflozine by liquid chromatography/quadrupole timeâ€ofâ€flight tandem mass spectrometry and in silico toxicity predictions. Rapid Communications in Mass Spectrometry, 2018, 32, 212-220.	0.7	8
31	Development of a stability-indicating UPLC method for terconazole and characterization of the acidic and oxidative degradation products by UPLC-Q-TOF/MS/MS and NMR. New Journal of Chemistry, 2018, 42, 10761-10773.	1.4	8
32	Protonated Nâ€benzylâ€and Nâ€(1â€phenylethyl)tyrosine amides dissociate via ion/neutral complexes. Rapid Communications in Mass Spectrometry, 2015, 29, 1577-1584.	0.7	7
33	Identification and structural characterization of hydrolytic degradation products of alvimopan by LC/QTOF/MS/MS and NMR studies. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 399-409.	1.4	7
34	Synchronized separation of atorvastatinâ€”an antihyperlipidemic drug with antihypertensive, antidiabetic, antithrombotic drugs by RP-LC for determination in combined formulations. Journal of Pharmaceutical Analysis, 2012, 2, 285-292.	2.4	6
35	Characterization of stress degradation products of blonanserin by UPLC-QTOF-tandem mass spectrometry. RSC Advances, 2015, 5, 69273-69288.	1.7	6
36	Identification and characterization of degradation products of indacaterol using liquid chromatography/mass spectrometry. European Journal of Mass Spectrometry, 2020, 26, 425-431.	0.5	6

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37	Study of forced degradation behaviour of cobicistat and atazanavir using LC/ESI/QTOF/MS; a combination of in-sourced and collision-induced dissociation for evaluation of the fragmentation patterns of degradation products. New Journal of Chemistry, 2018, 42, 19113-19128.	1.4	5
38	Identification and characterization of novel metabolites of nintedanib by ultraâ€performance liquid chromatography/quadrupole timeâ€ofâ€flight tandem mass spectrometry with in silico toxicological assessment. Rapid Communications in Mass Spectrometry, 2020, 34, e8915.	0.7	5
39	Characterization of Forced Degradation Products of Rufinamide by LC/QTOF/MS/MS, NMR and IR studies. Analytical Chemistry Letters, 2018, 8, 405-415.	0.4	4
40	Design and study of a HPLC method for the simultaneous estimation of two anti-diabetic drugs using a statistical approach. Analytical Methods, 2014, 6, 3291.	1.3	3
41	A comprehensive study on rearrangement reactions in collisionâ€induced dissociation mass spectrometric fragmentation of protonated diphenyl and phenyl pyridyl ethers. Rapid Communications in Mass Spectrometry, 2019, 33, 1440-1448.	0.7	3
42	Comprehensive degradation profiling and influence of different oxidizing reagents on tinoridine hydrochloride: Structural characterization of its degradation products using HPLC and HRMS. Rapid Communications in Mass Spectrometry, 2022, 36, e9210.	0.7	3
43	LCâ€“MS-MS Characterization of Forced Degradation Products of Fidarestat, a Novel Aldose Reductase Inhibitor: Development and Validation of a Stability-Indicating RP-HPLC Method. Journal of Chromatographic Science, 2015, 53, 1588-1596.	0.7	2
44	Automated statistical experimental design approach for rapid separation of coenzyme Q10 and identification of its biotechnological process related impurities using UHPLC and UHPLCâ€“APCIâ€MS. Journal of Separation Science, 2016, 39, 3528-3535.	1.3	2
45	Study on forced degradation behaviour of dofetilide by LC-PDA and Q-TOF/MS/MS: Mechanistic explanations of hydrolytic, oxidative and photocatalytic rearrangement of degradation products. Journal of Pharmaceutical and Biomedical Analysis, 2020, 179, 112985.	1.4	2
46	In vivo metabolic investigation of cetilistat in normal versus pseudoâ€germâ€free rats using UPLCâ€QTOFMS/MS and in silico toxicological evaluation of its metabolites. Biomedical Chromatography, 2020, 34, e4860.	0.8	2
47	A validated liquid chromatography mass spectrometry method for the quantification of tinoridine hydrochloride in rat plasma and its application to pharmacokinetic studies. Analytical Methods, 2015, 7, 1965-1970.	1.3	1