

Ragampeta Srinivas

List of Publications by Year in descending order

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87
papers

1,017
citations

516710

16
h-index

642732

23
g-index

87
all docs

87
docs citations

87
times ranked

936
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of stressed degradation products of metoprolol using LC/QTOF-ESI-MS/MS and MS ⁿ experiments. Biomedical Chromatography, 2012, 26, 720-736.	1.7	38
2	Identification and characterization of stressed degradation products of prulifloxacin using LC-ESI-MS/Q-TOF, MS ⁿ experiments: Development of a validated specific stability-indicating LC-MS method. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 560-568.	2.8	33
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.	2.3	30
4	Identification of hydrolytic and isomeric N-oxide degradants of vilazodone by on line LC-ESI-MS/MS and APCI-MS. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 353-365.	2.8	28
5	A MILD AND EFFICIENT CLEAVAGE OF gem-DIACETATES TO ALDEHYDES BY CBr ₄ *. Synthetic Communications, 2001, 31, 1091-1095.	2.1	25
6	Mass spectral study of Boc-carbo- ¹³ C-peptides: differentiation of two pairs of positional and diastereomeric isomers. Journal of Mass Spectrometry, 2004, 39, 1068-1074.	1.6	24
7	Liquid chromatography/electrospray ionization tandem mass spectrometric study of milnacipran and its stressed degradation products. Rapid Communications in Mass Spectrometry, 2013, 27, 369-374.	1.5	24
8	Rapid structural characterization of <i>in vivo</i> and <i>in vitro</i> metabolites of tinoridine using UHPLC-QTOF-MS/MS and <i>in silico</i> toxicological screening of its metabolites. Journal of Mass Spectrometry, 2015, 50, 1222-1233.	1.6	24
9	Differentiation of Boc- ¹ , ² - and ¹ , ² -peptides and a pair of diastereomeric ¹ , ² -dipeptides by positive and negative ion electrospray tandem mass spectrometry (ESI-MS/MS). Journal of Mass Spectrometry, 2005, 40, 1429-1438.	1.6	22
10	Plasma protein binding, pharmacokinetics, tissue distribution and CYP450 biotransformation studies of fidarestat by ultra high performance liquid chromatography-high resolution mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 386-399.	2.8	22
11	KF-Al ₂ O ₃ MEDIATED CROSS-CANNIZZARO REACTION UNDER MICROWAVE IRRADIATION*. Synthetic Communications, 2002, 32, 219-223.	2.1	21
12	Development and validation of liquid chromatography-mass spectrometric method for simultaneous determination of moxifloxacin and ketorolac in rat plasma: application to pharmacokinetic study. Biomedical Chromatography, 2012, 26, 1341-1347.	1.7	21
13	Characterization of degradation products of Ivabradine by LC-HR-MS/MS: a typical case of exhibition of different degradation behaviour in HCl and H ₂ SO ₄ acid hydrolysis. Journal of Mass Spectrometry, 2015, 50, 344-353.	1.6	21
14	Telomerase Inhibition and Human Telomeric G-Quadruplex DNA Stabilization by a ¹ -Carboline-Benzimidazole Derivative at Low Concentrations. Biochemistry, 2017, 56, 4392-4404.	2.5	21
15	<i>In vivo</i> metabolic investigation of moxifloxacin using liquid chromatography/electrospray ionization tandem mass spectrometry in combination with online hydrogen/deuterium exchange experiments. Rapid Communications in Mass Spectrometry, 2012, 26, 1817-1831.	1.5	20
16	Pharmacokinetic and protein binding profile of peptidomimetic DPP-4 inhibitor Teneligliptin in rats using liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1002, 194-200.	2.3	19
17	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.	2.8	18
18	Generation and characterization of ionic and neutral (methylthio)oxophosphane (CH ₃ S-P(=O) ₂ -O) and (methoxy)oxophosphane (CH ₃ O-P(=O) ₂ -O) by neutralization-reionization mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 171, 79-82.	1.8	16

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19	Differentiation of some positional and diastereomeric isomers of Boc-carbo- β 2 dipeptides containing galactose, xylose and mannose sugars by electrospray ionization tandem mass spectrometry (ESI) T J ETQq1 1 0.784314 rgBT1k/Overlo	1.0	16
20	C2H2S radical cations: Application of tandem mass spectrometry methodologies. International Journal of Mass Spectrometry, 2007, 263, 289-297.	1.5	16
21	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.	1.0	16
22	Characterization of forced degradation products of ketorolac tromethamine using LC/ESI/Q/TOF/MS/MS and <sc><i>in silico</i></sc> toxicity prediction. Journal of Mass Spectrometry, 2014, 49, 380-391.	1.6	16
23	BISMUTH(III) CHLORIDE CATALYZED AZA-DIELS-ALDER REACTION*. Synthetic Communications, 2001, 31, 1075-1080.	2.1	15
24	The isobaric ions CH3O $\dot{\pi}$ -P $\dot{\pi}$...O $\dot{\pi}$ and CH3O $\dot{\pi}$ -P $\dot{\pi}$ -NH $\dot{\pi}$ and their neutral counterparts: a tandem mass spectrometry and CBS-QB3 computational study. International Journal of Mass Spectrometry, 2003, 225, 11-23.	1.5	15
25	Positive and negative ion electrospray tandem mass spectrometry (ESI MS/MS) of boc-protected peptides containing repeats of L-Ala- β 4Caa/ β 4Caa-L-Ala: Differentiation of some positional isomeric peptides. Journal of the American Society for Mass Spectrometry, 2007, 18, 651-662.	2.8	15
26	LC-ESI-MS/MS study of carvedilol and its stress degradation products. Analytical Methods, 2013, 5, 4330.	2.7	15
27	MICROWAVE-ACCELERATED SYNTHESIS OF 4-CHLOROTETRAHYDROPYRANS BY BISMUTH(III) CHLORIDE*. Synthetic Communications, 2002, 32, 1803-1808.	2.1	14
28	Identification of forced degradation products of tamsulosin using liquid chromatography/electrospray ionization tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 245-255.	2.8	14
29	Selective separation, detection of zotepine and mass spectral characterization of degradants by LC-MS/MS/QTOF. Journal of Pharmaceutical Analysis, 2014, 4, 107-116.	5.3	14
30	Identification and characterization of vilazodone metabolites in rats and microsomes by ultrahigh-performance liquid chromatography/quadrupole time-of-flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1974-1984.	1.5	13
31	Alcaftadine: Selective Separation and Characterization of Degradation Products by LC-QTOF-MS/MS. Chromatographia, 2018, 81, 631-638.	1.3	13
32	Identification and structural characterization of the stress degradation products of omeprazole using Q-TOF-LC-ESI-MS/MS and NMR experiments: evaluation of the toxicity of the degradation products. New Journal of Chemistry, 2019, 43, 7294-7306.	2.8	13
33	Differentiation of three pairs of positional isomers of hybrid peptides with repeats of phenylalanine- β 3-h-valine/ β 3-h-valine-phenylalanine by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 1401-1408.	1.5	12
34	Differentiation of three pairs of Boc- β 2, β 3 and β 2, β 3 hybrid peptides by electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2008, 43, 1201-1214.	1.6	12
35	Identification and structural characterization of <i>in vivo</i> metabolites of ketorolac using liquid chromatography electrospray ionization tandem mass spectrometry (LC/ESI-MS/MS). Journal of Mass Spectrometry, 2012, 47, 919-931.	1.6	12
36	Selective separation and characterization of the stress degradation products of ondansetron hydrochloride by liquid chromatography with quadrupole time-of-flight mass spectrometry. Journal of Separation Science, 2015, 38, 1625-1632.	2.5	12

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37	Identification and characterization of stressed degradation products of rabeprazole using LC-ESI/MS/MS and ¹ H-NMR experiments: in vitro toxicity evaluation of major degradation products. RSC Advances, 2016, 6, 10719-10735.	3.6	12
38	A stability-indicating LC-MS/MS method for zidovudine: Identification, characterization and toxicity prediction of two major acid degradation products. Journal of Pharmaceutical Analysis, 2017, 7, 231-236.	5.3	12
39	LC-ESI-MS/MS evaluation of forced degradation behaviour of silodosin: In vitro anti cancer activity evaluation of silodosin and major degradation products. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 1-10.	2.8	12
40	Generation and characterization of ionic and neutral P(OH) ₂ [±] in the gas phase by tandem mass spectrometry and computational chemistry. Journal of the American Society for Mass Spectrometry, 2002, 13, 250-264.	2.8	11
41	Mass spectral study of alkali-cationized Boc-carbo- β -peptides by electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 3041-3050.	1.5	11
42	Electrospray ionization tandem mass spectrometry of 3-phenyl-N-(3-(4-phenylpiperazin-1-yl)propyl)-1H-pyrazole-5-carboxamide derivatives: unusual fragmentation involving loss of 11 u. Rapid Communications in Mass Spectrometry, 2012, 26, 207-214.	1.5	11
43	Liquid chromatography electrospray ionization tandem mass spectrometry study of nilutamide and its stress degradation products: <i>in silico</i> toxicity prediction of degradation products. Biomedical Chromatography, 2014, 28, 788-793.	1.7	11
44	Characterization of forced degradation products of pazopanib hydrochloride by UHPLC-Q-TOF/MS and <i>in silico</i> toxicity prediction. Journal of Mass Spectrometry, 2015, 50, 918-928.	1.6	11
45	Quantitation of acotiamide in rat plasma by UHPLC-Q-TOF-MS: method development, validation and application to pharmacokinetics. Biomedical Chromatography, 2016, 30, 363-368.	1.7	11
46	Identification and structural characterization of in vivo metabolites of balofloxacin in rat plasma, urine and feces samples using Q-TOF/LC/ESI/MS/MS : In silico toxicity studies. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 200-211.	2.8	11
47	Differentiation of Positional Isomers of Hybrid Peptides Containing Repeats of β -Nucleoside Derived Amino Acid (β -Nda-) and L-Amino Acids by Positive and Negative Ion Electrospray Ionization Tandem Mass Spectrometry (ESI-MS ⁿ). Journal of the American Society for Mass Spectrometry, 2011, 22, 703-717.	2.8	10
48	The ESI CAD fragmentations of protonated 2,4,6-tris(benzylamino)- and tris(benzyloxy)-1,3,5-triazines involve benzyl-benzyl interactions: a DFT study. Journal of Mass Spectrometry, 2012, 47, 860-868.	1.6	10
49	Forced degradation of fingolimod: Effect of co-solvent and characterization of degradation products by UHPLC-Q-TOF-MS/MS and ¹ H NMR. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 388-394.	2.8	10
50	Forced degradation studies of lansoprazole using LC-ESI HRMS and ¹ H-NMR experiments: <i>in vitro</i> toxicity evaluation of major degradation products. Journal of Mass Spectrometry, 2017, 52, 459-471.	1.6	10
51	Identification and characterization of stress degradation products of sumatriptan succinate by using LC/Q-TOF-ESI-MS/MS and NMR: Toxicity evaluation of degradation products. Journal of Mass Spectrometry, 2018, 53, 963-975.	1.6	10
52	Electrospray tandem mass spectrometry of alkali-cationized BocN-carbo- β - and β -peptides: differentiation of positional isomers. Rapid Communications in Mass Spectrometry, 2006, 20, 3351-3360.	1.5	9
53	Electrospray ionization tandem mass spectrometric study on the effect of N-terminal β - and β -carbo amino acids on fragmentation of GABA hybrid peptides. Rapid Communications in Mass Spectrometry, 2008, 22, 3339-3352.	1.5	9
54	Diastereomeric differentiation of norbornene amino acid peptides by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 2965-2974.	1.5	9

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55	Differentiation of Boc-protected L ₁ , L ₂ and L ₃ hybrid peptide positional isomers by electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 651-663.	1.6	9
56	Characterization of N [±] -Fmoc-protected dipeptide isomers by electrospray ionization tandem mass spectrometry (ESI-MS/MS): effect of protecting group on fragmentation of dipeptides. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1949-1958.	1.5	9
57	Mass spectral study of hybrid peptides derived from (R)-aminoxy ester and L ₂ -amino acids: The influence of aminoxy peptide bond (CO-NH-O) on peptide fragmentation under electrospray ionization conditions. <i>International Journal of Mass Spectrometry</i> , 2009, 282, 64-69.	1.5	8
58	Characterization of N [±] -Fmoc-protected ureidopeptides by electrospray ionization tandem mass spectrometry (ESI-MS/MS): differentiation of positional isomers. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1461-1472.	1.6	8
59	Identification and characterization of fluvastatin metabolites in rats by UHPLC/Q-TOF/MS/MS and <i>in silico</i> toxicological screening of the metabolites. <i>Journal of Mass Spectrometry</i> , 2017, 52, 296-314.	1.6	8
60	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. <i>New Journal of Chemistry</i> , 2017, 41, 12091-12103.	2.8	8
61	Characterization of forced degradation products of canagliflozine by liquid chromatography/quadrupole time-of-flight tandem mass spectrometry and <i>in silico</i> toxicity predictions. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 212-220.	1.5	8
62	Protonated N-benzyl- and N-(1-phenylethyl)tyrosine amides dissociate via ion/neutral complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1577-1584.	1.5	7
63	Liquid chromatography/electrospray ionization tandem mass spectrometry study of repaglinide and its forced degradation products. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1181-1190.	1.5	7
64	Characterization of ammonia phosphorus oxide H ₃ NPO ⁺ ions and their neutral counterparts by mass spectrometry and computational chemistry. <i>International Journal of Mass Spectrometry</i> , 2001, 208, 59-65.	1.5	6
65	Ionic and neutral mercaptothiocarbonyl: A tandem mass spectrometry and computational study. <i>Chemical Physics Letters</i> , 2007, 443, 216-221.	2.6	6
66	Characterization of stress degradation products of blonanserin by UPLC-QTOF-tandem mass spectrometry. <i>RSC Advances</i> , 2015, 5, 69273-69288.	3.6	6
67	Study of Forced Degradation Behaviour of Brinzolamide Using LC-ESI-Q-TOF and <i>In Silico</i> Toxicity Prediction. <i>Chromatographia</i> , 2016, 79, 1293-1308.	1.3	6
68	Selenoketene (H ₂ C _{1/4} C _{1/4} Se) ⁺ and selenoketyl cumulene (HC _{1/4} C _{1/4} Se) ⁺ ions and their neutral counterparts: a tandem mass spectrometric and computational study. <i>Journal of Mass Spectrometry</i> , 2005, 40, 796-806.	1.6	5
69	Development and validation of a UPLC method for screening potentially counterfeit anti-hypertensive drugs using design of experiment. <i>Analytical Methods</i> , 2014, 6, 4610-4616.	2.7	5
70	Protonated silanoic acid HSi(OH) ₂ ⁺ and its neutral counterpart: a tandem mass spectrometric and CBS-QB3 computational study. <i>Journal of Mass Spectrometry</i> , 2004, 39, 303-311.	1.6	4
71	Generation and characterization of ionic and neutral [HS-P-OH] ⁺ and S=P(OH) ₂ in the Gas Phase by Tandem Mass Spectrometry and Computational Chemistry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1353-1366.	2.8	4
72	New experiments on HNCSe and HCNSe radical cations. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 151-156.	1.5	4

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73	<i>In vivo</i> metabolite identification of acotiamide in rats using ultra-performance liquid chromatography-quadrupole/time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2017, 31, e3915.	1.7	4
74	Characterization of Forced Degradation Products of Rufinamide by LC/QTOF/MS/MS, NMR and IR studies. <i>Analytical Chemistry Letters</i> , 2018, 8, 405-415.	1.0	4
75	Generation and characterization of ionic and neutral chloro(hydroxy) phosphanyl [Cl-P(=O)(OH)] ⁺ and chloro(thiohydroxy) phosphanyl [Cl-P(=O)(SH)] ⁺ in the gas phase by tandem mass spectrometry and computational chemistry. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 206-214.	1.5	3
76	Differentiation of two pairs of diastereomeric BocN-C-linked-carbo- ¹³ C-amino acids (¹³ C-Caas) in negative ion electrospray tandem mass spectrometry (ESI MS/MS). <i>Journal of Mass Spectrometry</i> , 2006, 41, 1105-1108.	1.6	3
77	Electrospray ionization tandem mass spectrometry of protonated and alkali-cationized Boc-N-protected hybrid peptides containing repeats of D-Ala-APyC and APyC-D-Ala: Formation of [b ₁ + 1] ⁺ and [b ₁ + 1] ⁺ ions. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2591-2600.	1.5	3
78	In vivo metabolic investigation of silodosin using UHPLC-QTOF-MS/MS and in silico toxicological screening of its metabolites. <i>Journal of Mass Spectrometry</i> , 2016, 51, 867-882.	1.6	3
79	HPLC AND LC-MS STUDIES ON STRESS DEGRADATION BEHAVIOR OF LEVOCETIRIZINE AND DEVELOPMENT OF A VALIDATED SPECIFIC STABILITY-INDICATING METHOD. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 955-965.	1.0	2
80	McLafferty-type rearrangement of protonated N-(nicotinoyl)phenylethyl amines and consequent elimination of styrene. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 343-348.	1.5	2
81	Diastereomeric differentiation of two pairs of glycol derivatives by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2776-2780.	1.5	1
82	Differentiation of Boc-N-protected β/α -hybrid peptides containing Caa-L-Ala and Caa-OME and Caa-L-Ala-Pae at the C-terminus by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3369-3374.	1.5	1
83	A validated liquid chromatography mass spectrometry method for the quantification of tinoridine hydrochloride in rat plasma and its application to pharmacokinetic studies. <i>Analytical Methods</i> , 2015, 7, 1965-1970.	2.7	1
84	Electrospray Ionization Tandem Mass Spectrometric Study of Protonated and Alkali-Cationized β/μ -Hybrid Peptides: Differentiation of a Pair of Dipeptide Positional Isomers. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 181-191.	1.0	1
85	Stress degradation study of bortezomib: effect of co-solvent, isolation and characterization of degradation products by UHPLC-Q-TOF-MS/MS and NMR and evaluation of the toxicity of the degradation products. <i>New Journal of Chemistry</i> , 2021, 45, 8178-8191.	2.8	1
86	Differentiation of isomeric <i>para</i> - and <i>meta</i> -substituted 2,5-diphenyl-1,3,4-oxadiazole derivatives of anthracene by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 469-474.	1.5	0
87	Identification and characterization of in vitro and in vivo fidarestat metabolites: Toxicity and efficacy evaluation of metabolites. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4694.	1.6	0