

Roshan M Borkar

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.

45
papers

732
citations

14
h-index

26
g-index

50
ext. papers

913
ext. citations

4
avg, IF

3.92
L-index

#	Paper	IF	Citations
45	In Vitro and In Vivo Evaluations of Berberine-Loaded Microparticles Filled In-House 3D Printed Hollow Capsular Device for Improved Oral Bioavailability.. <i>AAPS PharmSciTech</i> , 2022 , 23, 89	3.9	0
44	Determination of bisphenols and parabens in cow urine distillate from India: implication of human exposure and risk assessment.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
43	Levels of parabens and bisphenols in personal care products and urinary concentrations in Indian young adult women: Implications for human exposure and health risk assessment.. <i>Chemosphere</i> , 2022 , 134028	8.4	1
42	Estimation of parabens and bisphenols in maternal products and urinary concentrations in Indian pregnant women: daily intake and health risk assessment. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
41	Analytical developments of p-hydroxy prenylamine reference material for dope control research: Characterization and purity assessment. <i>Drug Testing and Analysis</i> , 2021 ,	3.5	1
40	Extraction of small molecule from human plasma by prototyping 3D printed sorbent through extruded filament for LC-MS/MS analysis. <i>Analytica Chimica Acta</i> , 2021 , 1187, 339142	6.6	1
39	Transporter-mediated drug-drug interactions: advancement in models, analytical tools, and regulatory perspective. <i>Drug Metabolism Reviews</i> , 2021 , 53, 285-320	7	2
38	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	3.6	0
37	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	2.2	
36	Analytical method development and validation of reverse-phase high-performance liquid chromatography (RP-HPLC) method for simultaneous quantifications of quercetin and piperine in dual-drug loaded nanostructured lipid carriers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 186, 113325	3.5	10
35	Synthesis, Characterizations, and Use of O-Stearoyl Mannose Ligand-Engineered Lipid Nanoarchitectonics for Alveolar Macrophage Targeting. <i>Assay and Drug Development Technologies</i> , 2020 , 18, 249-260	2.1	3
34	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. <i>New Journal of Chemistry</i> , 2019 , 43, 7294-7306	3.6	7
33	Systems pharmacology-based integration of human and mouse data for drug repurposing to treat thoracic aneurysms. <i>JCI Insight</i> , 2019 , 4,	9.9	8
32	Formulation and evaluation of cyclodextrin complexes for improved anticancer activity of repurposed drug: Niclosamide. <i>Carbohydrate Polymers</i> , 2019 , 212, 252-259	10.3	28
31	IITZ-01, a novel potent lysosomotropic autophagy inhibitor, has single-agent antitumor efficacy in triple-negative breast cancer in vitro and in vivo. <i>Oncogene</i> , 2019 , 38, 581-595	9.2	19
30	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 166, 139-146	3.5	8
29	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 159, 200-211	3.5	10

28	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. <i>Journal of Mass Spectrometry</i> , 2018 , 53, 963-975	2.2	6
27	Enhanced oral bioavailability and anticancer efficacy of fisetin by encapsulating as inclusion complex with HP β CD in polymeric nanoparticles. <i>Drug Delivery</i> , 2017 , 24, 224-232	7	52
26	Forced degradation studies of lansoprazole using LC-ESI HRMS and H-NMR experiments: in vitro toxicity evaluation of major degradation products. <i>Journal of Mass Spectrometry</i> , 2017 , 52, 459-471	2.2	8
25	Avascular Necrosis of Femoral Head: A Metabolomic, Biophysical, Biochemical, Electron Microscopic and Histopathological Characterization. <i>Scientific Reports</i> , 2017 , 7, 10721	4.9	28
24	Novel Sulfur Metabolites of Garlic Attenuate Cardiac Hypertrophy and Remodeling through Induction of Na/K-ATPase Expression. <i>Frontiers in Pharmacology</i> , 2017 , 8, 18	5.6	27
23	Lower Serum Vitamin D Metabolite Levels in Relation to Circulating Cytokines/Chemokines and Metabolic Hormones in Pregnant Women with Hypertensive Disorders. <i>Frontiers in Immunology</i> , 2017 , 8, 273	8.4	11
22	Study of Forced Degradation Behaviour of Brinzolamide Using LC-ESI-Q-TOF and In Silico Toxicity Prediction. <i>Chromatographia</i> , 2016 , 79, 1293-1308	2.1	5
21	Lower Vitamin D Metabolites Levels Were Associated With Increased Coronary Artery Diseases in Type 2 Diabetes Patients in India. <i>Scientific Reports</i> , 2016 , 6, 37593	4.9	14
20	An evaluation of the CYP2D6 and CYP3A4 inhibition potential of metoprolol metabolites and their contribution to drug-drug and drug-herb interaction by LC-ESI/MS/MS. <i>Biomedical Chromatography</i> , 2016 , 30, 1556-72	1.7	8
19	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. <i>RSC Advances</i> , 2016 , 6, 10719-10735	3.7	12
18	Baicalein alleviates doxorubicin-induced cardiotoxicity via suppression of myocardial oxidative stress and apoptosis in mice. <i>Life Sciences</i> , 2016 , 144, 8-18	6.8	71
17	Identification of leads for antiproliferative activity on MDA-MB-435 human breast cancer cells through pharmacophore and CYP1A1-mediated metabolism. <i>European Journal of Medicinal Chemistry</i> , 2016 , 115, 82-93	6.8	9
16	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	2.2	2
15	Plasma protein binding, pharmacokinetics, tissue distribution and CYP450 biotransformation studies of fidarestat by ultra high performance liquid chromatography-high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 102, 386-99	3.5	18
14	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. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 344-53	2.2	17
13	Naringin ameliorates gentamicin-induced nephrotoxicity and associated mitochondrial dysfunction, apoptosis and inflammation in rats: possible mechanism of nephroprotection. <i>Toxicology and Applied Pharmacology</i> , 2014 , 277, 8-20	4.6	99
12	Characterization of forced degradation products of ketorolac tromethamine using LC/ESI/Q/TOF/MS/MS and in silico toxicity prediction. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 380-91	2.2	11
11	Liquid chromatography electrospray ionization tandem mass spectrometry study of nilutamide and its stress degradation products: in silico toxicity prediction of degradation products. <i>Biomedical Chromatography</i> , 2014 , 28, 788-93	1.7	9

10	Garlic attenuates cardiac oxidative stress via activation of PI3K/AKT/Nrf2-Keap1 pathway in fructose-fed diabetic rat. <i>PLoS ONE</i> , 2014 , 9, e94228	3.7	98
9	Identification of forced degradation products of tamsulosin using liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 88, 245-55	3.5	12
8	Liquid chromatography/electrospray ionization tandem mass spectrometric study of milnacipran and its stressed degradation products. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 369-74	2.2	21
7	RP-HPLC SEPARATION METHOD FOR INDIVIDUAL COMPONENTS OF POLYCAP IN PRESENCE OF THEIR DEGRADATION/INTERACTION PRODUCTS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012 , 35, 662-676	1.3	4
6	In vivo metabolic investigation of moxifloxacin using liquid chromatography/electrospray ionization tandem mass spectrometry in combination with online hydrogen/deuterium exchange experiments. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 1817-31	2.2	17
5	Identification and structural characterization of in vivo metabolites of ketorolac using liquid chromatography electrospray ionization tandem mass spectrometry (LC/ESI-MS/MS). <i>Journal of Mass Spectrometry</i> , 2012 , 47, 919-31	2.2	10
4	Identification and characterization of stressed degradation products of metoprolol using LC/Q-TOF-ESI-MS/MS and MS(n) experiments. <i>Biomedical Chromatography</i> , 2012 , 26, 720-36	1.7	37
3	Development and validation of liquid chromatography-mass spectrometric method for simultaneous determination of moxifloxacin and ketorolac in rat plasma: application to pharmacokinetic study. <i>Biomedical Chromatography</i> , 2012 , 26, 1341-7	1.7	15
2	Stress Degradation Behavior of a Polypill and Development of Stability Indicating UHPLC Method for the Simultaneous Estimation of Aspirin, Atorvastatin, Ramipril and Metoprolol Succinate. <i>American Journal of Analytical Chemistry</i> , 2011 , 02, 401-410	0.7	1
1	Quantitative Application to a Polypill by the Development of Stability Indicating LC Method for the Simultaneous Estimation of Aspirin, Atorvastatin, Atenolol and Losartan Potassium. <i>American Journal of Analytical Chemistry</i> , 2010 , 01, 59-69	0.7	7