

Yashpal Singh Chhonker

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,529
citations

331670

21
h-index

345221

36
g-index

67
all docs

67
docs citations

67
times ranked

2568
citing authors

#	ARTICLE	IF	CITATIONS
1	ZIP8-Mediated Intestinal Dysbiosis Impairs Pulmonary Host Defense against Bacterial Pneumonia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1022.	4.1	8
2	Modified chitosan for effective renal delivery of siRNA to treat acute kidney injury. <i>Biomaterials</i> , 2022, 285, 121562.	11.4	22
3	Metabolic programming of distinct cancer stem cells promotes metastasis of pancreatic ductal adenocarcinoma. <i>Oncogene</i> , 2021, 40, 215-231.	5.9	53
4	Discovery, synthesis and biological characterization of a series of <i>N</i> -(1-(1,1-dioxido-2,3,4,5-tetrahydrothiophen-3-yl)-3-methyl-1 <i>H</i> -pyrazol-5-yl)acetamide ethers as novel GIRK1/2 potassium channel activators. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1366-1373.	3.9	0
5	Simultaneous Quantitation of Lipid Biomarkers for Inflammatory Bowel Disease Using LC-MS/MS. <i>Metabolites</i> , 2021, 11, 106.	2.9	11
6	Dysbiosis and Intestinal Barrier Dysfunction in Pediatric Congenital Heart Disease Is Exacerbated Following Cardiopulmonary Bypass. <i>JACC Basic To Translational Science</i> , 2021, 6, 311-327.	4.1	18
7	Nuclear factor kappa-B contributes to cigarette smoke tolerance in pancreatic ductal adenocarcinoma through cysteine metabolism. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112312.	5.6	5
8	Two distinct amphipathic peptide antibiotics with systemic efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19446-19454.	7.1	61
9	Assessment of Tissue Distribution and Metabolism of MP1, a Novel Pyrrolomycin, in Mice Using a Validated LC-MS/MS Method. <i>Molecules</i> , 2020, 25, 5898.	3.8	7
10	Rapid and Simultaneous Analysis of Multiple Classes of Antimicrobial Drugs by Liquid Chromatography-Tandem Mass Spectrometry and Its Application to Routine Biomedical, Food, and Soil Analyses. <i>ACS Omega</i> , 2020, 5, 31584-31597.	3.5	10
11	Quantification of fat-soluble vitamins and their metabolites in biological matrices: an updated review. <i>Bioanalysis</i> , 2020, 12, 625-640.	1.5	10
12	Synthesis and Antichlamydial Activity of Molecules Based on Dysregulators of Cylindrical Proteases. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4370-4387.	6.4	7
13	Eating Pattern and Nutritional Risks among People with Multiple Sclerosis Following a Modified Paleolithic Diet. <i>Nutrients</i> , 2020, 12, 1844.	4.1	11
14	Simultaneous Quantitation of S(+)- and R(-)-Baclofen and Its Metabolite in Human Plasma and Cerebrospinal Fluid using LC-APCI-MS/MS: An Application for Clinical Studies. <i>Molecules</i> , 2020, 25, 250.	3.8	5
15	Reversed phase UPLC/APCI-MS determination of Vitamin K1 and menaquinone-4 in human plasma: Application to a clinical study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 183, 113147.	2.8	9
16	A rapid and sensitive bioanalytical LC-MS/MS method for the quantitation of a novel CDK5 inhibitor 20 ²²³ (CP668863) in plasma: Application to <i>in vitro</i> metabolism and plasma protein binding studies. <i>Biomedical Chromatography</i> , 2020, 34, e4859.	1.7	5
17	Understanding interactions of Citropin 1.1 analogues with model membranes and their influence on biological activity. <i>Peptides</i> , 2019, 119, 170119.	2.4	7
18	In Vivo Evaluation of Isoprenoid Triazole Bisphosphonate Inhibitors of Geranylgeranyl Diphosphate Synthase: Impact of Olefin Stereochemistry on Toxicity and Biodistribution. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 327-338.	2.5	14

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19	Effects of novel pyrrolomycin MP1 in MYCN amplified chemoresistant neuroblastoma cell lines alone and combined with temsirolimus. <i>BMC Cancer</i> , 2019, 19, 837.	2.6	8
20	Pharmacokinetics, safety, and efficacy of a single co-administered dose of diethylcarbamazine, albendazole and ivermectin in adults with and without <i>Wuchereria bancrofti</i> infection in Côte d'Ivoire. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007325.	3.0	29
21	A concise review of quantification methods for determination of vitamin K in various biological matrices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 133-141.	2.8	25
22	Inhibition of geranylgeranyl diphosphate synthase is a novel therapeutic strategy for pancreatic ductal adenocarcinoma. <i>Oncogene</i> , 2019, 38, 5308-5320.	5.9	21
23	Tropolone-induced effects on the unfolded protein response pathway and apoptosis in multiple myeloma cells are dependent on iron. <i>Leukemia Research</i> , 2019, 77, 17-27.	0.8	6
24	Bioanalytical method development and validation of moxidectin in plasma by LC-MS/MS: Application to <i>in vitro</i> metabolism. <i>Biomedical Chromatography</i> , 2019, 33, e4389.	1.7	14
25	Aspirin & clopidogrel non-responsiveness & its association with genetic polymorphisms in patients with myocardial infarction. <i>Indian Journal of Medical Research</i> , 2019, 150, 50.	1.0	11
26	Quantitative determination of a potent geranylgeranyl diphosphate synthase inhibitor using LC-MS/MS: Derivatization and application. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 153, 22-28.	2.8	4
27	Preclinical investigation of a potent geranylgeranyl diphosphate synthase inhibitor. <i>Investigational New Drugs</i> , 2018, 36, 810-818.	2.6	15
28	LC-MS/MS method for simultaneous determination of diethylcarbamazine, albendazole and albendazole metabolites in human plasma: Application to a clinical pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 84-90.	2.8	32
29	Simultaneous LC-MS/MS analysis of eicosanoids and related metabolites in human serum, sputum and BALF. <i>Biomedical Chromatography</i> , 2018, 32, e4102.	1.7	26
30	Simultaneous quantitation of hydroxychloroquine and its metabolites in mouse blood and tissues using LC-ESI-MS/MS: An application for pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 320-327.	2.3	64
31	Synthetically lethal nanoparticles for treatment of endometrial cancer. <i>Nature Nanotechnology</i> , 2018, 13, 72-81.	31.5	53
32	Recent developments in anti- <i>Trichomonas</i> research: An update review. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 232-243.	5.5	31
33	Synthesis, biological evaluation, and metabolic stability of phenazine derivatives as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 936-947.	5.5	36
34	Quantification of eicosanoids and their metabolites in biological matrices: a review. <i>Bioanalysis</i> , 2018, 10, 2027-2046.	1.5	31
35	Simultaneous Quantitation of Isoprenoid Pyrophosphates in Plasma and Cancer Cells Using LC-MS/MS. <i>Molecules</i> , 2018, 23, 3275.	3.8	18
36	A sensitive and selective LC-MS/MS method for quantitation of ivermectin in human, mouse and monkey plasma: clinical validation. <i>Bioanalysis</i> , 2018, 10, 1841-1852.	1.5	10

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37	Pharmacokinetics and efficacy of orally administered polymeric chloroquine as macromolecular drug in the treatment of inflammatory bowel disease. <i>Acta Biomaterialia</i> , 2018, 82, 158-170.	8.3	23
38	In-vitro metabolism, CYP profiling and metabolite identification of E- and Z- guggulsterone, a potent hypolipidemic agent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 202-211.	2.8	14
39	Pharmacokinetics, metabolism, bioavailability, tissue distribution and excretion studies of 16 β -hydroxycyclohexa-3, 13(14) Z -dien-15, 16-olide" a novel HMG-CoA reductase inhibitor. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 965-973.	3.0	10
40	In Vivo Evaluation of Novel Geranylgeranyl Diphosphate Synthase Inhibitors. <i>Blood</i> , 2018, 132, 215-215.	1.4	1
41	Case Report: Ivermectin and Albendazole Plasma Concentrations in a Patient with Disseminated Strongyloidiasis on Extracorporeal Membrane Oxygenation and Continuous Renal Replacement Therapy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1194-1197.	1.4	5
42	Developing Polyamine-Based Peptide Amphiphiles with Tunable Morphology and Physicochemical Properties. <i>Macromolecular Bioscience</i> , 2017, 17, 1700096.	4.1	8
43	Pharmacokinetic and Biodistribution Studies of HPMA Copolymer Conjugates in an Aseptic Implant Loosening Mouse Model. <i>Molecular Pharmaceutics</i> , 2017, 14, 1418-1428.	4.6	26
44	Hybrids of coumarin-indole: design, synthesis and biological evaluation in Triton WR-1339 and high-fat diet induced hyperlipidemic rat models. <i>MedChemComm</i> , 2016, 7, 1858-1869.	3.4	5
45	Assesment of the pharmacokinetics, tissue distribution and excretion studies of a novel antiplatelet agent S007-867, following administration to rats. <i>Drug Testing and Analysis</i> , 2016, 8, 723-729.	2.6	8
46	Simultaneous quantitation of acetylsalicylic acid and clopidogrel along with their metabolites in human plasma using liquid chromatography tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2016, 30, 466-473.	1.7	14
47	Assessment of <i>in vitro</i> metabolic stability, plasma protein binding, and pharmacokinetics of E- and Z-guggulsterone in rat. <i>Drug Testing and Analysis</i> , 2016, 8, 966-975.	2.6	12
48	Quantitative analysis of endogenous compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 426-437.	2.8	170
49	Pharmacokinetic, bioavailability, metabolism and plasma protein binding evaluation of NADPH-oxidase inhibitor apocynin using LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 985, 180-188.	2.3	26
50	Dithiocarbamate-thiourea hybrids useful as vaginal microbicides also show reverse transcriptase inhibition: Design, synthesis, docking and pharmacokinetic studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 881-886.	2.2	26
51	N-Alkyl/aryl-4-(3-substituted-3-phenylpropyl)piperazine-1-carbothioamide as dual-action vaginal microbicides with reverse transcriptase inhibition. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 640-650.	5.5	11
52	Sensitive and high-throughput bioanalysis of fluoxetine and nor-fluoxetine in rabbit and human plasma using SPE-LC-MS/MS. <i>Analytical Methods</i> , 2015, 7, 4340-4347.	2.7	3
53	Pharmacokinetics and tissue distribution study of novel potent antiplatelet agent S007-867 in mice using HPLC-MS/MS. <i>Xenobiotica</i> , 2015, 45, 530-537.	1.1	6
54	Amphotericin-B entrapped lecithin/chitosan nanoparticles for prolonged ocular application. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1451-1458.	7.5	144

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55	Identification of quinoline-chalcone hybrids as potential antiulcer agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 638-653.	5.5	67
56	Design and synthesis of substituted morpholin/piperidin-1-yl-carbamodithioates as promising vaginal microbicides with spermicidal potential. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5782-5786.	2.2	11
57	A rapid and sensitive LC-MS/MS analysis of diapocynin in rat plasma to investigate in vitro and in vivo pharmacokinetics. <i>Analytical Methods</i> , 2014, 6, 7075.	2.7	1
58	Corneal targeted nanoparticles for sustained natamycin delivery and their PK/PD indices: An approach to reduce dose and dosing frequency. <i>International Journal of Pharmaceutics</i> , 2014, 477, 317-325.	5.2	64
59	Identification of novel PTP1B inhibitors by pharmacophore based virtual screening, scaffold hopping and docking. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 578-594.	5.5	40
60	Quantitative determination of microbicidal spermicide α -nonoxynol-9 TM in rabbit plasma and vaginal fluid using LC-ESI-MS/MS: Application to pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 127-132.	2.3	9
61	Rohitukine inhibits in vitro adipogenesis arresting mitotic clonal expansion and improves dyslipidemia in vivo. <i>Journal of Lipid Research</i> , 2014, 55, 1019-1032.	4.2	50
62	Pharmacokinetic and metabolism studies of rohitukine in rats by high performance liquid-chromatography with tandem mass spectrometry. <i>F₂-toterap₂</i> , 2014, 97, 34-42.	2.2	10
63	LC-MS/MS assay for the determination of natamycin in rabbit and human plasma: Application to a pharmacokinetics and protein binding study. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 144-148.	5.3	11
64	Synthesis and biological evaluation of a novel series of aryl S,N-ketene acetals as antileishmanial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3979-3982.	2.2	8
65	Discovery of a new class of HMG-CoA reductase inhibitor from <i>Polyalthia longifolia</i> as potential lipid lowering agent. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5206-5211.	5.5	37
66	LC-MS Method for Determination of Amphotericin B in Rabbit Tears and Its Application to Ocular Pharmacokinetic Study. <i>Chromatographia</i> , 2011, 73, 487-493.	1.3	9
67	A simple, high-throughput and validated LC-MS/MS method for determination of azithromycin in human plasma and its application to a clinical pharmacokinetic study. <i>Biomedical Chromatography</i> , 0, , .	1.7	3