Sheelendra Singh

List of Publications by Year
in descending order

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54 papers	1,411 citations	331670 21 h-index	345221 36 g-index
54 all docs	54 docs citations	54 times ranked	2201 citing authors

#	Article	IF	Citations
1	Trans-Blood Brain Barrier Delivery of Dopamine-Loaded Nanoparticles Reverses Functional Deficits in Parkinsonian Rats. ACS Nano, 2015, 9, 4850-4871.	14.6	191
2	Gugulipid, an extract of Commiphora whighitii with lipid-lowering properties, has protective effects against streptozotocin-induced memory deficits in mice. Pharmacology Biochemistry and Behavior, 2007, 86, 797-805.	2.9	101
3	Carbon nanomaterials integrated molecularly imprinted polymers for biological sample analysis: A critical review. Materials Chemistry and Physics, 2020, 239, 121966.	4.0	71
4	Differential effects of formononetin and cladrin on osteoblast function, peak bone mass achievement and bioavailability in rats. Journal of Nutritional Biochemistry, 2011, 22, 318-327.	4.2	69
5	Permeability determination and pharmacokinetic study of nobiletin in rat plasma and brain by validated high-performance liquid chromatography method. FÃ¬toterapÃ¬Ã¢, 2011, 82, 1206-1214.	2.2	63
6	Waste candle soot derived nitrogen doped carbon dots based fluorescent sensor probe: An efficient and inexpensive route to determine Hg(II) and Fe(III) from water. Journal of Environmental Chemical Engineering, 2018, 6, 5561-5569.	6.7	53
7	In vivo prediction of CYP-mediated metabolic interaction potential of formononetin and biochanin A using in vitro human and rat CYP450 inhibition data. Toxicology Letters, 2015, 239, 1-8.	0.8	46
8	Investigation of the Functional Role of P-Glycoprotein in Limiting the Oral Bioavailability of Lumefantrine. Antimicrobial Agents and Chemotherapy, 2014, 58, 489-494.	3.2	45
9	Recent advancement of carbon nanomaterials engrained molecular imprinted polymer for environmental matrix. Trends in Environmental Analytical Chemistry, 2020, 27, e00092.	10.3	42
10	Utility of noninvasive biomatrices in pharmacokinetic studies. Biomedical Chromatography, 2013, 27, 1354-1366.	1.7	41
11	Determination of lumefantrine in rat plasma by liquidâ€“liquid extraction using LCâ€“MS/MS with electrospray ionization: Assay development, validation and application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1133-1139.	2.3	39
12	Cerium oxide-catalyzed chemical vapor deposition grown carbon nanofibers for electrochemical detection of Pb(II) and Cu(II). Journal of Environmental Chemical Engineering, 2019, 7, 103250.	6.7	38
13	Simultaneous determination of multiclass pesticide residues in human plasma using a mini QuEChERS method. Analytical and Bioanalytical Chemistry, 2017, 409, 3757-3765.	3.7	35
14	Efficient antileishmanial activity of amphotericin B and piperine entrapped in enteric coated guar gum nanoparticles. Drug Delivery and Translational Research, 2021, 11, 118-130.	5.8	34
15	PAMPA permeability, plasma protein binding, blood partition, pharmacokinetics and metabolism of formononetin, a methoxylated isoflavone. Food and Chemical Toxicology, 2011, 49, 1056-1062.	3.6	31
16	Dried blood spots in bioanalysis of antimalarials: relevance and challenges in quantitative assessment of antimalarial drugs. Bioanalysis, 2013, 5, 2171-2186.	1.5	30
17	Isoformononetin, a methoxydaidzein present in medicinal plants, reverses bone loss in osteopenic rats and exerts bone anabolic action by preventing osteoblast apoptosis. Phytomedicine, 2013, 20, 470-480.	5.3	30
18	Inexpensive, effective novel activated carbon fibers for sample cleanup: application to multipesticide residue analysis in food commodities using a QuEChERS method. Analytical and Bioanalytical Chemistry, 2018, 410, 2241-2251.	3.7	30

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19	Presence of Zearalenone in Cereal Grains and Its Exposure Risk Assessment in Indian Population. Journal of Food Science, 2018, 83, 3126-3133.	3.1	26
20	Quantitative determination of formononetin and its metabolite in rat plasma after intravenous bolus administration by HPLC coupled with tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 391-397.	2.3	23
21	Candle soot derived carbon nanoparticles: Assessment of physico-chemical properties, cytotoxicity and genotoxicity. Chemosphere, 2019, 214, 130-135.	8.2	23
22	Reduced Bioavailability of Tamoxifen and its Metabolite 4â€Hydroxytamoxifen After Oral Administration with Biochanin A (an Isoflavone) in Rats. Phytotherapy Research, 2012, 26, 303-307.	5.8	22
23	Candle soot derived carbon nanoparticles: An assessment of cellular and progressive toxicity using Drosophila melanogaster model. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 228, 108646.	2.6	22
24	A novel flavonoid, 6-C-Î²-d-glucopyranosyl-(2S,3S)-(+)-3â€²,4â€²,5,7-tetrahydroxyflavanone, isolated from Ulmus wallichiana Planchon mitigates ovariectomy-induced osteoporosis in rats. Menopause, 2010, 17, 577-586.	2.0	21
25	Determination of Bisphenol Analogues in Infant Formula Products from India and Evaluating the Health Risk in Infants Asssociated with Their Exposure. Journal of Agricultural and Food Chemistry, 2021, 69, 3932-3941.	5.2	19
26	Simultaneous determination of centchroman and tamoxifen along with their metabolites in rat plasma using LCâ€“MS/MS. Bioanalysis, 2015, 7, 967-979.	1.5	18
27	Iron nanoparticles decorated hierarchical carbon fiber forest for the magnetic solid-phase extraction of multi-pesticide residues from water samples. Chemosphere, 2021, 282, 131058.	8.2	17
28	Development and validation of a rapid, sensitive liquid chromatographyâ€“tandem mass spectrometry method using electrospray ionization for quantitation of centchroman in rat plasma and its application to preclinical pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 876, 1-7.	2.3	16
29	Effective elimination of endocrine disrupting bisphenol A and S from drinking water using phenolic resin-based activated carbon fiber: Adsorption, thermodynamic and kinetic studies. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100316.	2.9	16
30	Liquid chromatographyâ€“mass spectrometry method for the quantification of tamoxifen and its metabolite 4-hydroxytamoxifen in rat plasma: Application to interaction study with biochanin A (an) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Sciences, 2011, 879, 2845-2851.	2.3	15
31	LC-ESI-MS/MS method for the simultaneous determination of isoformononetin, daidzein, and equol in rat plasma: Application to a preclinical pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1129, 121776.	2.3	15
32	Gender differences in pharmacokinetics of lumefantrine and its metabolite desbutylâ€lumefantrine in rats. Biopharmaceutics and Drug Disposition, 2012, 33, 229-234.	1.9	14
33	Absorption and cleavage of enalapril, a carboxyl ester prodrug, in the rat intestine: in vitro, in situ intestinal perfusion and portal vein cannulation models. Biopharmaceutics and Drug Disposition, 2015, 36, 385-397.	1.9	14
34	Species differences between rat and human in vitro metabolite profile, in vivo predicted clearance, CYP450 inhibition and CYP450 isoforms that metabolize benzanthrone: Implications in risk assessment. Food and Chemical Toxicology, 2018, 111, 94-101.	3.6	14
35	CVD grown carbon nanofibers: an efficient DSPE sorbent for cleanup of multi-class pesticide residue in high fat and low water commodities by QuEChERS using GC-ECD. Mikrochimica Acta, 2020, 187, 490.	5.0	13
36	Intravenous pharmacokinetics and oral bioavailability of biochanin A in female rats. Medicinal Chemistry Research, 2011, 20, 1627-1631.	2.4	12

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37	Validation of a Rapid and Sensitive UPLCâ€“MS-MS Method Coupled with Protein Precipitation for the Simultaneous Determination of Seven Pyrethroids in 100 ÂµL of Rat Plasma by Using Ammonium Adduct as Precursor Ion. Journal of Analytical Toxicology, 2016, 40, 213-221.	2.8	12
38	Methylenecyclopropyl glycine, not pesticide exposure as the primary etiological factor underlying hypoglycemic encephalopathy in Muzaffarpur, India. Toxicology Letters, 2019, 301, 34-41.	0.8	11
39	Label-free plasma proteomics for the identification of the putative biomarkers of oral squamous cell carcinoma. Journal of Proteomics, 2022, 259, 104541.	2.4	10
40	Bioanalysis of antitubercular drugs using liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 295-309.	2.8	8
41	Investigating the glucuronidation and sulfation pathways contribution and disposition kinetics of Bisphenol S and its metabolites using LC-MS/MS-based nonenzymatic hydrolysis method. Chemosphere, 2021, 273, 129624.	8.2	8
42	Prediction of human absorption of a trioxane antimalarial drug (CDRI 99/411) using an in-house validated in situ single-pass intestinal perfusion model. Arzneimittelforschung, 2011, 61, 532-537.	0.4	6
43	Characterization of Recombinantly Expressed Rat and Monkey Intestinal Alkaline Phosphatases: In Vitro Studies and In Vivo Correlations. Drug Metabolism and Disposition, 2013, 41, 1425-1432.	3.3	6
44	No effect on pharmacokinetics of tamoxifen and 4-hydroxytamoxifen by multiple doses of red clover capsule in rats. Scientific Reports, 2015, 5, 16126.	3.3	6
45	Bioavailability, tissue distribution and excretion studies of a potential anti-osteoporotic agent, medicarpin, in female rats using validated LCâ€“MS/MS method. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 112978.	2.8	5
46	Plausible drug interaction between cyclophosphamide and voriconazole via inhibition of CYP2B6. Drug Metabolism and Pharmacokinetics, 2021, 39, 100396.	2.2	5
47	Development and validation of an LCâ€MS/MS method for simultaneous determination of piperaquine and 97â€63, the active metabolite of CDRI 97â€78, in rat plasma and its application in interaction study. Drug Testing and Analysis, 2016, 8, 221-227.	2.6	4
48	Plasma protein binding, metabolism, reaction phenotyping and toxicokinetic studies of fenarimol after oral and intravenous administration in rats. Xenobiotica, 2021, 51, 72-81.	1.1	4
49	Recent Advances in Micro-extraction Based Analytical Approaches for Pesticides Analysis in Environmental Samples. Energy, Environment, and Sustainability, 2020, , 281-318.	1.0	4
50	Cytochrome P450 isoforms contribution, plasma protein binding, toxicokinetics of enniatin A in rats and in vivo clearance prediction in humans. Food and Chemical Toxicology, 2022, 164, 112988.	3.6	4
51	Assessment of pharmacokinetic compatibility of short acting CDRI candidate trioxane derivative, 99â€“411, with long acting prescription antimalarials, lumefantrine and piperaquine. Scientific Reports, 2015, 5, 17264.	3.3	3
52	Occurrence of Alternariol and Alternariolmonomethyl ether in edible oils: Their thermal stability and intake assessment in state of Uttar Pradesh, India. Journal of Food Science, 2021, 86, 1124-1131.	3.1	3
53	Quantitation of Lumefantrine in Biological Matrices. Current Pharmaceutical Analysis, 2011, 7, 42-46.	0.6	2
54	Development and Validation of the Ultra Performance Liquid Chromatography-Tandem Mass Spectrometer Method for Quantification of Methylenecyclopropylglycine in Litchi Fruits Using the Standard Addition Method. Food Analytical Methods, 2019, 12, 2086-2093.	2.6	1