

B B Burckhardt

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

161
citations

1307366

7
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1281743

11
g-index

32
all docs

32
docs citations

32
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	Substance P in cardiovascular diseases – A bioanalytical review. <i>Clinica Chimica Acta</i> , 2019, 495, 501-506.	0.5	17
2	Improving sensitivity for the targeted LC-MS/MS analysis of the peptide bradykinin using a design of experiments approach. <i>Talanta</i> , 2020, 218, 121134.	2.9	17
3	Development and evaluation of mucoadhesive buccal dosage forms of lidocaine hydrochloride by ex-vivo permeation studies. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119293.	2.6	16
4	Targeted LC-MS/MS platform for the comprehensive determination of peptides in the kallikrein-kinin system. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2971-2984.	1.9	10
5	Sensitive mass spectrometric determination of kinin-kallikrein system peptides in light of COVID-19. <i>Scientific Reports</i> , 2021, 11, 3061.	1.6	9
6	A design of experiments concept for the minimization of nonspecific peptide adsorption in the mass spectrometric determination of substance P and related hemokinin. <i>Journal of Separation Science</i> , 2020, 43, 818-828.	1.3	8
7	A feasibility study prior to an international multicentre paediatric study to assess pharmacokinetic/pharmacodynamic sampling and sample preparation procedures, logistics and bioanalysis. <i>Contemporary Clinical Trials Communications</i> , 2018, 12, 32-39.	0.5	7
8	Fit-for-Purpose Quality Control System in Continuous Bioanalysis During Long-Term Pediatric Studies. <i>AAPS Journal</i> , 2019, 21, 104.	2.2	7
9	Levels of angiotensin peptides in healthy and cardiovascular/renal-diseased paediatric population – an investigative review. <i>Heart Failure Reviews</i> , 2019, 24, 709-723.	1.7	7
10	Application and validation of a coaxial liquid core waveguide fluorescence detector for the permeation analysis of desmopressin acetate. <i>Talanta</i> , 2021, 226, 122145.	2.9	7
11	Enabling insights into the maturation of the renin-angiotensin-aldosterone system in children – Development of a low-volume LC-MS assay for the simultaneous determination of aldosterone, its precursor, and main metabolite. <i>Steroids</i> , 2019, 148, 73-81.	0.8	6
12	Reliable measurement of plasma kinin peptides: Importance of preanalytical variables. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022, 6, e12646.	1.0	5
13	Embedding a Sensitive Liquid-Core Waveguide UV Detector into an HPLC-UV System for Simultaneous Quantification of Differently Dosed Active Ingredients during Drug Release. <i>Pharmaceutics</i> , 2022, 14, 639.	2.0	5
14	Validated low-volume aldosterone immunoassay tailored to GCLP-compliant investigations in small sample volumes. <i>Practical Laboratory Medicine</i> , 2017, 9, 28-38.	0.6	4
15	Formulation Development of Sublingual Cyclobenzaprine Tablets Empowered by Standardized and Physiologically Relevant Ex Vivo Permeation Studies. <i>Pharmaceutics</i> , 2021, 13, 1409.	2.0	4
16	Validated low-volume immunoassay for the reliable determination of direct renin especially valuable for pediatric investigations. <i>Journal of Immunoassay and Immunochemistry</i> , 2017, 38, 579-594.	0.5	3
17	Self-Instruction Video Versus Face-to-Face Instruction of Pharmacy Students' Skills in Blood Pressure Measurement. <i>Pharmacy (Basel, Switzerland)</i> , 2020, 8, 217.	0.6	3
18	Low-volume LC-MS/MS method for the pharmacokinetic investigation of carvedilol, enalapril and their metabolites in whole blood and plasma: Application to a paediatric clinical trial. <i>Drug Testing and Analysis</i> , 2021, 13, 694-708.	1.6	3

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19	Exploring the transmucosal permeability of cyclobenzaprine: A comparative preformulation by standardized and controlled ex vivo and in vitro permeation studies. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120574.	2.6	3
20	Prorenin and active renin levels in paediatrics: a bioanalytical review. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 275-285.	1.4	3
21	Enalapril and Enalaprilat Pharmacokinetics in Children with Heart Failure Due to Dilated Cardiomyopathy and Congestive Heart Failure after Administration of an Orodispersible Enalapril Minitablet (LENA-Studies). <i>Pharmaceutics</i> , 2022, 14, 1163.	2.0	3
22	A quality control system for ligand-binding assay of plasma renin activity: Proof-of-concept within a pharmacodynamic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113090.	1.4	2
23	Validated mass spectrometric assay for the quantification of substance P and human hemokinin-1 in plasma samples: A design of experiments concept for comprehensive method development. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113542.	1.4	2
24	Human prorenin determination by hybrid immunocapture liquid chromatography/mass spectrometry: A mixed-solvent-triggered digestion utilizing D-optimal design. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8932.	0.7	2
25	A comprehensive quality control system suitable for academic research: application in a pediatric study. <i>Bioanalysis</i> , 2020, 12, 319-333.	0.6	2
26	Blended Learning on Blood Pressure Measurement: Investigating Two In-Class Strategies in a Flipped Classroom-Like Setting to Teach Pharmacy Students Blood Pressure Measurement Skills. <i>Healthcare (Switzerland)</i> , 2021, 9, 822.	1.0	2
27	Customisation and validation of a low-volume plasma renin activity immunoassay: Enabling of regulatory compliant determination in paediatric trials. <i>Practical Laboratory Medicine</i> , 2019, 17, e00144.	0.6	1
28	A concept to make low-abundance endogenous renin accessible to mass spectrometry: A multistep experimental design approach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1134-1135, 121856.	1.2	1
29	Mass spectrometric studies on the peptide integrity of substance P and related human tachykinins in human biofluids. <i>Peptides</i> , 2021, 136, 170458.	1.2	1
30	Mass spectrometric study of variation in kinin peptide profiles in nasal fluids and plasma of adult healthy individuals. <i>Journal of Translational Medicine</i> , 2022, 20, 146.	1.8	1
31	A continued method performance monitoring approach for the determination of pediatric renin samples – application within a European clinical trial. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 1847-1855.	1.4	0