

Roderick Bryan Walker

List of Publications by Year in descending order

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76
papers

2,055
citations

257357

24
h-index

265120

42
g-index

76
all docs

76
docs citations

76
times ranked

2666
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of percutaneous penetration enhancers. <i>Advanced Drug Delivery Reviews</i> , 1996, 18, 295-301.	6.6	168
2	Should active recruitment of health workers from sub-Saharan Africa be viewed as a crime?. <i>Lancet</i> , The, 2008, 371, 685-688.	6.3	168
3	Analysis of macrolide antibiotics. <i>Journal of Chromatography A</i> , 1998, 812, 255-286.	1.8	155
4	A stability-indicating high performance liquid chromatographic (HPLC) assay for the simultaneous determination of atorvastatin and amlodipine in commercial tablets. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 846, 215-221.	1.2	127
5	Selection and Characterization of Suitable Lipid Excipients for use in the Manufacture of Didanosine-Loaded Solid Lipid Nanoparticles and Nanostructured Lipid Carriers. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 5185-5196.	1.6	91
6	The identification of the UV degradants of melatonin and their ability to scavenge free radicals. <i>Journal of Pineal Research</i> , 2002, 32, 257-261.	3.4	64
7	Short Term Stability Testing of Efavirenz-Loaded Solid Lipid Nanoparticle (SLN) and Nanostructured Lipid Carrier (NLC) Dispersions. <i>Pharmaceutics</i> , 2019, 11, 397.	2.0	64
8	Amoxicillin Removal from Aqueous Media Using Multi-Walled Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 165-169.	1.0	63
9	<i>In Vitro</i> Release Kinetics of Antituberculosis Drugs from Nanoparticles Assessed Using a Modified Dissolution Apparatus. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	54
10	Preparation and characterization of isoniazid-loaded crude soybean lecithin liposomes. <i>International Journal of Pharmaceutics</i> , 2017, 526, 466-473.	2.6	49
11	The use of experimental design in the development of an HPLC-ECD method for the analysis of captopril. <i>Talanta</i> , 2011, 83, 1037-1049.	2.9	46
12	The use of hot and cold high pressure homogenization to enhance the loading capacity and encapsulation efficiency of nanostructured lipid carriers for the hydrophilic antiretroviral drug, didanosine for potential administration to paediatric patients. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 353-362.	1.1	46
13	Biocompatibility of Biomaterials for Nanoencapsulation: Current Approaches. <i>Nanomaterials</i> , 2020, 10, 1649.	1.9	44
14	Synthesis and characterization of ZnO nanoparticle synthesized by a microwave-assisted combustion method and catalytic activity for the removal of ortho-nitrophenol. <i>Desalination and Water Treatment</i> , 2015, 54, 1939-1948.	1.0	41
15	A stability-indicating high performance liquid chromatographic assay for the determination of orlistat in capsules. <i>Journal of Chromatography A</i> , 2006, 1116, 153-157.	1.8	38
16	6-Hydroxymelatonin protects against cyanide induced oxidative stress in rat brain homogenates. <i>Journal of Chemical Neuroanatomy</i> , 2003, 26, 103-107.	1.0	36
17	A sensitive and reliable method for the detection of lipid peroxidation in biological tissues. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 53, 263-266.	1.2	35
18	Evaluation of the proposed FDA pilot dose-response methodology for topical corticosteroid bioequivalence testing. <i>Pharmaceutical Research</i> , 1997, 14, 303-308.	1.7	31

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19	The determination of acetaminophen using a carbon nanotube:graphite-based electrode. <i>Mikrochimica Acta</i> , 2010, 171, 377-384.	2.5	31
20	Formulation development and in vitro evaluation of didanosine-loaded nanostructured lipid carriers for the potential treatment of AIDS dementia complex. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 396-407.	0.9	29
21	An Artificial Neural Network Approach to Predict the Effects of Formulation and Process Variables on Prednisone Release from a Multipartite System. <i>Pharmaceutics</i> , 2019, 11, 109.	2.0	29
22	Nano-Biomimetic Drug Delivery Vehicles: Potential Approaches for COVID-19 Treatment. <i>Molecules</i> , 2020, 25, 5952.	1.7	29
23	Cyanide-induced free radical production and lipid peroxidation in rat brain homogenate is reduced by aspirin. <i>Metabolic Brain Disease</i> , 2000, 15, 203-210.	1.4	28
24	Optimization of Salbutamol Sulfate Dissolution from Sustained Release Matrix Formulations Using an Artificial Neural Network. <i>Pharmaceutics</i> , 2010, 2, 182-198.	2.0	28
25	Swelling, erosion and drug release characteristics of salbutamol sulfate from hydroxypropyl methylcellulose-based matrix tablets. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 1497-1510.	0.9	27
26	Enhancement of Biological and Pharmacological Properties of an Encapsulated Polyphenol: Curcumin. <i>Molecules</i> , 2021, 26, 4244.	1.7	26
27	The effect of variations in pH and temperature on stability of melatonin in aqueous solution. <i>Journal of Pineal Research</i> , 2001, 31, 155-158.	3.4	25
28	Evaluation of the <i>in vitro</i> differential protein adsorption patterns of didanosine-loaded nanostructured lipid carriers (NLCs) for potential targeting to the brain. <i>Journal of Liposome Research</i> , 2011, 21, 245-254.	1.5	23
29	Design, Optimization, Manufacture and Characterization of Efavirenz-Loaded Flaxseed Oil Nanoemulsions. <i>Pharmaceutics</i> , 2020, 12, 797.	2.0	22
30	pH-Dependent release of isoniazid from isonicotinic acid (4-hydroxy-benzylidene)-hydrazide loaded liposomes. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 45, 264-271.	1.4	21
31	Quality by Design Optimization of Cold Sonochemical Synthesis of Zidovudine-Lamivudine Nanosuspensions. <i>Pharmaceutics</i> , 2020, 12, 367.	2.0	18
32	Evaluation of Rate of Swelling and Erosion of Verapamil (VRP) Sustained-Release Matrix Tablets. <i>Drug Development and Industrial Pharmacy</i> , 2006, 32, 1139-1148.	0.9	17
33	Encapsulation and physicochemical evaluation of efavirenz in liposomes. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 201-208.	2.7	17
34	A capillary zone electrophoresis (CZE) method for the determination of cyclizine hydrochloride in tablets and suppositories. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 233-239.	1.4	16
35	Development and validation of a stability-indicating analytical method for the quantitation of oxytocin in pharmaceutical dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 179-185.	1.4	16
36	Improved Stability of Rifampicin in the Presence of Gastric-Resistant Isoniazid Microspheres in Acidic Media. <i>Pharmaceutics</i> , 2020, 12, 234.	2.0	16

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37	An LC-MS/MS method for the determination of cyclizine in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 824, 148-152.	1.2	15
38	Quantitation of zolpidem in biological fluids by electro-driven microextraction combined with HPLC-UV analysis. <i>EXCLI Journal</i> , 2018, 17, 349-361.	0.5	15
39	Development and Validation of a Stability-Indicating Method for the Quantitation of Paclitaxel in Pharmaceutical Dosage Forms. <i>Journal of Chromatographic Science</i> , 2009, 47, 599-604.	0.7	14
40	Muco-adhesive clarithromycin-loaded nanostructured lipid carriers for ocular delivery: Formulation, characterization, cytotoxicity and stability. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102171.	1.4	14
41	Nano Co-Crystal Embedded Stimuli-Responsive Hydrogels: A Potential Approach to Treat HIV/AIDS. <i>Pharmaceutics</i> , 2021, 13, 127.	2.0	14
42	Analysis of chromatometer results obtained from corticosteroid-induced skin blanching. I: Manipulation of data. <i>Pharmaceutical Research</i> , 1998, 15, 280-285.	1.7	13
43	Forced degradation studies of clobetasol 17-propionate in methanol, propylene glycol, as bulk drug and cream formulations by RP-HPLC. <i>Journal of Separation Science</i> , 2013, 36, 849-856.	1.3	13
44	A Comparative Study of the Effect of Different Stabilizers on the Critical Quality Attributes of Self-Assembling Nano Co-Crystals. <i>Pharmaceutics</i> , 2020, 12, 182.	2.0	13
45	Ultrasound-Triggered Release of 5-Fluorouracil from Soy Lecithin Echogenic Liposomes. <i>Pharmaceutics</i> , 2021, 13, 821.	2.0	13
46	Shoppers Drug Mart or Poachers Drug Mart?. <i>Cmaj</i> , 2007, 178, 265-266.	0.9	12
47	Formulation and Characterisation of a Combination Captopril and Hydrochlorothiazide Microparticulate Dosage Form. <i>Pharmaceutics</i> , 2020, 12, 712.	2.0	12
48	The Evaluation of Eudragit Microcapsules Manufactured by Solvent Evaporation Using USP Apparatus 1. <i>Dissolution Technologies</i> , 2009, 16, 15-22.	0.2	12
49	An investigation into the neuroprotective properties of ibuprofen. <i>Metabolic Brain Disease</i> , 2000, 15, 249-256.	1.4	11
50	The use of quantitative analysis and Hansen solubility parameter predictions for the selection of excipients for lipid nanocarriers to be loaded with water soluble and insoluble compounds. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 308-315.	1.2	11
51	High-performance liquid chromatographic analysis of cyclizine and its metabolite, norcyclizine in biological fluids using solid phase extraction. <i>Chromatographia</i> , 1987, 24, 287-290.	0.7	10
52	The use of response surface methodology for the formulation and optimization of salbutamol sulfate hydrophilic matrix sustained release tablets. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 594-606.	1.1	10
53	Top-Down Synthesis of a Lamivudine-Zidovudine Nano Co-Crystal. <i>Crystals</i> , 2021, 11, 33.	1.0	10
54	Simultaneous liposomal encapsulation of antibiotics and proteins: Co-loading and characterization of rifampicin and Human Serum Albumin in soy-liposomes. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101751.	1.4	9

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55	An assessment of the efficacy of two lysine microencapsulation techniques to determine the quantitative lysine requirement of the South African abalone, <i>Haliotis midae</i> L.. <i>Aquaculture Nutrition</i> , 2002, 8, 221-227.	1.1	8
56	The use of response surface methodology in the evaluation of captopril microparticles manufactured using an oil in oil solvent evaporation technique. <i>Journal of Microencapsulation</i> , 2012, 29, 39-53.	1.2	8
57	The Evaluation of Eudragit Microcapsules Manufactured by Solvent Evaporation Using USP Apparatus 1. <i>Dissolution Technologies</i> , 2009, 16, 15-22.	0.2	8
58	In Vitro Dissolution Kinetics of Captopril from Microspheres Manufactured by Solvent Evaporation. <i>Dissolution Technologies</i> , 2012, 19, 42-51.	0.2	8
59	Pharmacokinetics of cyclizine following intravenous administration to human volunteers. <i>European Journal of Pharmaceutical Sciences</i> , 1996, 4, 301-306.	1.9	6
60	HPLC Method for Simultaneous Analysis of Ranitidine and Metronidazole in Dosage Forms. <i>Asian Journal of Chemistry</i> , 2014, 26, 426-430.	0.1	6
61	Electrooxidation of acetaminophen on nickel/poly(4-aminophenol)/multiwalled carbon nanotube nanocomposite modified graphite electrode. <i>Micro and Nano Letters</i> , 2014, 9, 691-696.	0.6	6
62	Assessment of taste masking of captopril by ion-exchange resins using electronic gustatory system. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 281-289.	1.1	6
63	Co-encapsulation of Rifampicin and Isoniazid in Crude Soybean Lecithin Liposomes. <i>South African Journal of Chemistry</i> , 2019, 72, 80-87.	0.3	6
64	Formulation optimization of smart thermosetting lamotrigine loaded hydrogels using response surface methodology, box behken design and artificial neural networks. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1402-1415.	0.9	5
65	The impact of formulation variables on the optimization of pilot scale clobetasol 17-propionate creams. <i>Cogent Engineering</i> , 2020, 7, 1804713.	1.1	5
66	Co-Loading of Isoniazid-Grafted Phthalocyanine-in-Cyclodextrin and Rifampicin in Crude Soybean Lecithin Liposomes: Formulation, Spectroscopic and Biological Characterization. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 14-28.	0.5	5
67	Bioequivalence Assessment of Generic Products: An Innovative South African Approach. <i>Clinical Research and Regulatory Affairs</i> , 2006, 23, 11-20.	2.1	4
68	The impact of manufacturing variables on in vitro release of clobetasol 17-propionate from pilot scale cream formulations. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 1683-1692.	0.9	4
69	Electropolymerized Fluorinated Aniline-Based Fiber for Headspace Solid-Phase Microextraction and Gas Chromatographic Determination of Benzaldehyde in Injectable Pharmaceutical Formulations. <i>Journal of Chromatographic Science</i> , 2014, 52, 971-976.	0.7	4
70	Stability Indicating HPLC-ECD Method for the Analysis of Clarithromycin in Pharmaceutical Dosage Forms: Method Scaling versus Re-Validation. <i>Scientia Pharmaceutica</i> , 2019, 87, 31.	0.7	2
71	Application of the Minolta Chromameter to the Assessment of Corticosteroid-Induced Skin Blanching. , 2000, , 295-305.		2
72	Title is missing!. <i>Metabolic Brain Disease</i> , 2000, 15, 203-210.	1.4	1

#	ARTICLE	IF	CITATIONS
73	Response to the manuscript titled "An assessment of the potency related to Cannabis-based products in the South African market" by H.J. Viviers et al. FSI 322 (2021) 110754. Forensic Science International, 2021, 327, 110933.	1.3	1
74	Design, Manufacturing, Characterization and Evaluation of Lipid Nanocapsules to Enhance the Biopharmaceutical Properties of Efavirenz. Pharmaceutics, 2022, 14, 1318.	2.0	1
75	The Use of Response Surface Methodology to Evaluate the Impact of Level 2 SUPAC "IR Changes on the In Vitro Release of Metronidazole and Ranitidine from a Fixed-Dose Combination Tablet. Dissolution Technologies, 2012, 19, 28-36.	0.2	0
76	Science and Practice of Microencapsulation Technology. Advances in Delivery Science and Technology, 2017,, 119-154.	0.4	0