

Neal M Davies

List of Publications by Year in descending order

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74
papers

2,329
citations

236925

25
h-index

214800

47
g-index

78
all docs

78
docs citations

78
times ranked

3293
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacometrics of pterostilbene: preclinical pharmacokinetics and metabolism, anticancer, antiinflammatory, antioxidant and analgesic activity. <i>Phytotherapy Research</i> , 2008, 22, 169-179.	5.8	256
2	A novel method for assessing dissolution of aerosol inhaler products. <i>International Journal of Pharmaceutics</i> , 2003, 255, 175-187.	5.2	157
3	3D printed tricalcium phosphate bone tissue engineering scaffolds: effect of SrO and MgO doping on in vivo osteogenesis in a rat distal femoral defect model. <i>Biomaterials Science</i> , 2013, 1, 1250.	5.4	149
4	Localized doxorubicin chemotherapy with a biopolymeric nanocarrier improves survival and reduces toxicity in xenografts of human breast cancer. <i>Journal of Controlled Release</i> , 2010, 146, 212-218.	9.9	145
5	Clinical Pharmacokinetics of Meloxicam. <i>Clinical Pharmacokinetics</i> , 1999, 36, 115-126.	3.5	127
6	Clinical Pharmacokinetics of Flurbiprofen and its Enantiomers. <i>Clinical Pharmacokinetics</i> , 1995, 28, 100-114.	3.5	123
7	Multiple Peaking Phenomena in Pharmacokinetic Disposition. <i>Clinical Pharmacokinetics</i> , 2010, 49, 351-377.	3.5	115
8	Tantalum—A bioactive metal for implants. <i>Jom</i> , 2010, 62, 61-64.	1.9	88
9	Pharmacokinetics of selected stilbenes: rhapontigenin, piceatannol and pinosylvin in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1443-1450.	2.4	72
10	COX-2 selective inhibitors cardiac toxicity: getting to the heart of the matter. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2004, 7, 332-6.	2.1	69
11	Cyclooxygenase-3: axiom, dogma, anomaly, enigma or splice error?—Not as easy as 1, 2, 3. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2004, 7, 217-26.	2.1	56
12	Stereospecific high-performance liquid chromatographic analysis of hesperetin in biological matrices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 591-595.	2.8	51
13	Stereospecific high-performance liquid chromatographic analysis of naringenin in urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 164-169.	2.8	50
14	High-performance liquid chromatographic analysis of pterostilbene in biological fluids using fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 250-254.	2.8	43
15	Inhibition of experimental colorectal cancer and reduction in renal and gastrointestinal toxicities by copper—indomethacin in rats. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 66, 755-764.	2.3	43
16	A Cremophor-Free Formulation for Tanespimycin (17-AAG) Using PEO-b-PDLLA Micelles: Characterization and Pharmacokinetics in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1577-1586.	3.3	42
17	Stereospecific high-performance liquid chromatography of taxifolin, applications in pharmacokinetics, and determination in tu fu ling (<i>Rhizoma smilacis glabrae</i>) and apple (<i>Malus domestica</i>). <i>Biomedical Chromatography</i> , 2009, 23, 638-646.	1.7	42
18	Antiinflammatory drug-induced small intestinal permeability: the rat is a suitable model. <i>Pharmaceutical Research</i> , 1994, 11, 1652-1656.	3.5	38

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19	Stereospecific high-performance liquid chromatographic analysis of eriodictyol in urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 255-262.	2.8	37
20	Simulated, biorelevant, clinically relevant or physiologically relevant dissolution media: The hidden role of bicarbonate buffer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 8-19.	4.3	34
21	CD44-tropic polymeric nanocarrier for breast cancer targeted rapamycin chemotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1221-1230.	3.3	32
22	Hepatic Stellate Cells in Liver Fibrosis and siRNA-Based Therapy. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2016, 172, 1-37.	1.6	31
23	Hyaluronic Acid Molecular Weight Determines Lung Clearance and Biodistribution after Instillation. <i>Molecular Pharmaceutics</i> , 2016, 13, 1904-1914.	4.6	30
24	Development and in vitro/in vivo evaluation of a novel targeted polymeric micelle for delivery of paclitaxel. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 29-40.	7.5	27
25	Clinical Pharmacokinetics and Pharmacodynamics of Bromfenac. <i>Clinical Pharmacokinetics</i> , 1999, 36, 399-408.	3.5	26
26	Pharmacokinetic and Toxicodynamic Characterization of a Novel Doxorubicin Derivative. <i>Pharmaceutics</i> , 2017, 9, 35.	4.5	26
27	Pharmacokinetics of Rofecoxib. <i>Clinical Pharmacokinetics</i> , 2003, 42, 545-556.	3.5	25
28	Using Curriculum Mapping to Engage Faculty Members in the Analysis of a Pharmacy Program. <i>American Journal of Pharmaceutical Education</i> , 2014, 78, 139.	2.1	24
29	Disposition, Metabolism and Histone Deacetylase and Acetyltransferase Inhibition Activity of Tetrahydrocurcumin and Other Curcuminoids. <i>Pharmaceutics</i> , 2017, 9, 45.	4.5	21
30	Sucrose urinary excretion in the rat measured using a simple assay: a model of gastroduodenal permeability. <i>Pharmaceutical Research</i> , 1995, 12, 1733-1736.	3.5	18
31	Enantiospecific pharmacokinetics of isoxanthohumol and its metabolite 8-eprenylnaringenin in the rat. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1674-1689.	3.3	18
32	Formulation dependent pharmacokinetics, bioavailability and renal toxicity of a selective cyclooxygenase-1 inhibitor SC-560 in the rat. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2003, 6, 205-10.	2.1	18
33	Preclinical Pharmacokinetics and Pharmacodynamics and Content Analysis of Gnetol in Foodstuffs. <i>Phytotherapy Research</i> , 2015, 29, 1168-1179.	5.8	16
34	Phytocannabinoid drug-drug interactions and their clinical implications. , 2020, 215, 107621.		15
35	Preparative enzymatic synthesis and HPLC analysis of rhapontigenin: applications to metabolism, pharmacokinetics and anti-cancer studies. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2005, 8, 374-86.	2.1	14
36	Management of Cardiorenal Metabolic Syndrome in Diabetes Mellitus: A Phytotherapeutic Perspective. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-12.	2.3	13

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37	Quantification of cefazolin in serum and adipose tissue by ultra high performance liquid chromatography-Tandem mass spectrometry (UHPLC-MS/MS): application to a pilot study of obese women undergoing cesarean delivery. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 94-98.	2.3	13
38	DOX-Vit D, a Novel Doxorubicin Delivery Approach, Inhibits Human Osteosarcoma Cell Proliferation by Inducing Apoptosis While Inhibiting Akt and mTOR Signaling Pathways. <i>Pharmaceutics</i> , 2018, 10, 144.	4.5	13
39	Validation of Cadherin HAV6 Peptide in the Transient Modulation of the Blood-Brain Barrier for the Treatment of Brain Tumors. <i>Pharmaceutics</i> , 2019, 11, 481.	4.5	13
40	Influence of dosage form on the gastroenteropathy of flurbiprofen in the rat: evidence of shift in the toxicity site. , 1997, 14, 1597-1600.		12
41	Calebin A: Analytical Development for Pharmacokinetics Study, Elucidation of Pharmacological Activities and Content Analysis of Natural Health Products. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2015, 18, 494.	2.1	12
42	Disparate Effects of Stilbenoid Polyphenols on Hypertrophic Cardiomyocytes In Vitro vs. in the Spontaneously Hypertensive Heart Failure Rat. <i>Molecules</i> , 2017, 22, 204.	3.8	12
43	Mechanistically elucidating the in vitro safety and efficacy of a novel doxorubicin derivative. <i>Drug Delivery and Translational Research</i> , 2017, 7, 582-597.	5.8	11
44	Labeling of Genetically Modified (GM) Foods in Peru: Current Dogma and Insights of the Regulatory and Legal Statutes. <i>International Journal of Food Science</i> , 2022, 2022, 1-12.	2.0	11
45	Green Synthesis of a Novel Silver Nanoparticle Conjugated with <i>Thelypteris glandulosolanosa</i> (Raqui-Raqui): Preliminary Characterization and Anticancer Activity. <i>Processes</i> , 2022, 10, 1308.	2.8	11
46	Mechanistic understanding of underperforming enteric coated products: Opportunities to add clinical relevance to the dissolution test. <i>Journal of Controlled Release</i> , 2020, 325, 323-334.	9.9	10
47	Pharmacological characterization of liquiritigenin, a chiral flavonoid in licorice. <i>Research in Pharmaceutical Sciences</i> , 2016, 11, 355.	1.8	9
48	Ingredient Consistency of Commercially Available Polyphenol and Tocopherol Nutraceuticals. <i>Pharmaceutics</i> , 2010, 2, 50-60.	4.5	8
49	Biphasic Dissolution as an Exploratory Method during Early Drug Product Development. <i>Pharmaceutics</i> , 2020, 12, 420.	4.5	8
50	Pharmacokinetic Analysis of an Oral Multicomponent Joint Dietary Supplement (Phycox®) in Dogs. <i>Pharmaceutics</i> , 2017, 9, 30.	4.5	7
51	The Lymphatic System: A Sometimes-Forgotten Compartment in Pharmaceutical Sciences. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2021, 24, 533-547.	2.1	7
52	Novel, First-in-Human, Oral PCLX-001 Treatment in a Patient with Relapsed Diffuse Large B-Cell Lymphoma. <i>Current Oncology</i> , 2022, 29, 1939-1946.	2.2	7
53	Pharmacometrics of 3-Methoxypterostilbene: A Component of Traditional Chinese Medicinal Plants. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-11.	1.2	6
54	Pharmacokinetics of piperine after oral administration of Sahastara remedy capsules in healthy volunteers. <i>Research in Pharmaceutical Sciences</i> , 2020, 15, 410.	1.8	6

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55	Combining hard and soft magnetism into a single core-shell nanoparticle to achieve both hyperthermia and image contrast. <i>Therapeutic Delivery</i> , 2015, 6, 1195-1210.	2.2	5
56	Investigations of the antipyretic effect and safety of Prasachandaeng, a traditional remedy from Thailand national list of essential medicines. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112673.	5.6	5
57	Degradation and metabolism of mometasone furoate in humans: Influence of reversible, sequential metabolism, and ionic strength. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2877-2880.	3.3	4
58	The effects of Benjakul extract and its isolated compounds on cell cycle arrest and apoptosis in human non-small cell lung cancer cell line NCI-H226. <i>Research in Pharmaceutical Sciences</i> , 2021, 16, 129.	1.8	4
59	Anti-Inflammatory Investigations of Extracts of <i>Zanthoxylum rhetsa</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-15.	1.2	4
60	Pharmacological effects of a C-phycocyanin-based multicomponent nutraceutical in an in-vitro canine chondrocyte model of osteoarthritis. <i>Canadian Journal of Veterinary Research</i> , 2015, 79, 241-9.	0.2	4
61	Liquid Chromatography Tandem Mass Spectrometric Analytical Method for Study of Colchicine in Rats Given Low Doses. <i>Processes</i> , 2021, 9, 2007.	2.8	4
62	Simultaneous quantification of reparixin and paclitaxel in plasma and urine using ultra performance liquid chromatography-tandem mass spectroscopy (UHPLC-MS/MS): Application to a preclinical pharmacokinetic study in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1046, 165-171.	2.3	3
63	Physiologically relevant dissolution conditions towards improved in vitro - in vivo relationship – A case study with enteric coated pantoprazole tablets. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120857.	5.2	3
64	Stereospecific pharmacokinetic characterization of liquiritigenin in the rat. <i>Research in Pharmaceutical Sciences</i> , 2017, 12, 176.	1.8	3
65	Ethnopharmacological nexus between the traditional Thai medicine theory and biologically based cancer treatment. <i>Journal of Ethnopharmacology</i> , 2022, 287, 114932.	4.1	2
66	Development and optimization of Benjakul microemulsion formulations for enhancing topical anti-inflammatory effect and delivery. <i>Research in Pharmaceutical Sciences</i> , 2022, 17, 111.	1.8	2
67	Using GastroPlus to teach complex biopharmaceutical concepts. <i>Pharmacy Education</i> , 2022, 22, 336-347.	0.6	2
68	Analysis of cycloheximide in rat specimens using liquid chromatography with tandem mass spectrometry detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1190, 123112.	2.3	1
69	Pharmacokinetics and Drug Metabolism in Canada: The Current Landscape – A Summary of This Indispensable Special Issue. <i>Pharmaceutics</i> , 2018, 10, 13.	4.5	0
70	Development of an Assessment Tool of Menstrual-Cycle-Related Signs and Symptoms Based on Thai Traditional Medicine Principles for Evaluation of Women's Health. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-16.	1.2	0
71	Validation of an HPLC method for quantification of anti-inflammatory markers in an ethanolic extract of Sahastara and its anti-inflammatory activity in vitro. <i>Research in Pharmaceutical Sciences</i> , 2021, 16, 227.	1.8	0
72	Nitrous oxide (N ₂ O) increases brain L-arginine in production of its antinociceptive effect in mice. <i>FASEB Journal</i> , 2012, 26, 662.8.	0.5	0

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73	Targeting the metabolism of leukemia stem cells as a novel therapeutic strategy. <i>Drugs in Context</i> , 2013, 2013, 1-2.	2.2	0
74	Development and validation of a compact on-person storage device (SMHeartCard) for emergency access to acetylsalicylic acid and nitroglycerin. <i>CMAJ Open</i> , 2020, 8, E75-E82.	2.4	0