

# Jan N De Hoon

## List of Publications by Year in descending order

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93  
papers

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126907

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docs citations

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times ranked

4038  
citing authors

#	ARTICLE	IF	CITATIONS
1	[18F]MK-9470, a positron emission tomography (PET) tracer for in vivo human PET brain imaging of the cannabinoid-1 receptor. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9800-9805.	7.1	300
2	The Acyclic CB1R Inverse Agonist Taranabant Mediates Weight Loss by Increasing Energy Expenditure and Decreasing Caloric Intake. Cell Metabolism, 2008, 7, 68-78.	16.2	198
3	Altered arterial function in migraine of recent onset. Neurology, 2007, 68, 1563-1570.	1.1	182
4	Clinical study of solid dispersions of itraconazole prepared by hot-stage extrusion. European Journal of Pharmaceutical Sciences, 2005, 24, 179-186.	4.0	140
5	Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [18F]MK-9470 PET. NeuroImage, 2008, 39, 1533-1541.	4.2	117
6	In Vivo Quantification of Calcitonin Gene-Related Peptide Receptor Occupancy by Telcagepant in Rhesus Monkey and Human Brain Using the Positron Emission Tomography Tracer [ <sup>11</sup> C]MK-4232. Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 478-486.	2.5	114
7	Pharmacokinetics of chemotherapeutic agents in pregnancy: a preclinical and clinical study. Acta Obstetrica Et Gynecologica Scandinavica, 2010, 89, 1338-1345.	2.8	101
8	Intravenous paracetamol (propacetamol) pharmacokinetics in term and preterm neonates. European Journal of Clinical Pharmacology, 2004, 60, 191-197.	1.9	100
9	Maturational pharmacokinetics of single intravenous bolus of propofol. Paediatric Anaesthesia, 2007, 17, 1028-1034.	1.1	98
10	Pharmacokinetic-Pharmacodynamic Relationship of Erenumab (AMG 334) and Capsaicin-Induced Dermal Blood Flow in Healthy and Migraine Subjects. Pharmaceutical Research, 2017, 34, 1784-1795.	3.5	75
11	Transplacental transfer of paclitaxel, docetaxel, carboplatin, and trastuzumab in a baboon model. International Journal of Gynecological Cancer, 2010, 20, 1456-64.	2.5	75
12	Phase I, Randomized, Double-blind, Placebo-controlled, Single-dose, and Multiple-dose Studies of Erenumab in Healthy Subjects and Patients With Migraine. Clinical Pharmacology and Therapeutics, 2018, 103, 815-825.	4.7	71
13	Perception of Originator Biologics and Biosimilars: A Survey Among Belgian Rheumatoid Arthritis Patients and Rheumatologists. BioDrugs, 2017, 31, 447-459.	4.6	65
14	<sup>18</sup> F-JNJ-64413739, a Novel PET Ligand for the P2X7 Ion Channel: Radiation Dosimetry, Kinetic Modeling, Test-Retest Variability, and Occupancy of the P2X7 Antagonist JNJ-54175446. Journal of Nuclear Medicine, 2019, 60, 683-690.	5.0	63
15	Mini-series: II. Clinical aspects. Clinically relevant CYP450-mediated drug interactions in the ICU. Intensive Care Medicine, 2009, 35, 603-612.	8.2	62
16	Relationship of Type 1 Cannabinoid Receptor Availability in the Human Brain to Novelty-Seeking Temperament. Archives of General Psychiatry, 2009, 66, 196.	12.3	61
17	Potential mechanisms of prospective antimigraine drugs: A focus on vascular (side) effects. , 2011, 129, 332-351.		58
18	Postmenstrual Age and CYP2D6 Polymorphisms Determine Tramadol O-demethylation in Critically Ill Neonates and Infants. Pediatric Research, 2008, 63, 674-679.	2.3	56

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19	Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of the CGRP Binding Monoclonal Antibody LY2951742 (Galcanezumab) in Healthy Volunteers. <i>Frontiers in Pharmacology</i> , 2017, 8, 740.	3.5	54
20	TRP Channel Cooperation for Nociception: Therapeutic Opportunities. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 655-677.	9.4	54
21	Calcitonin gene-related peptide: exploring its vasodilating mechanism of action in humans. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 73, 312-321.	4.7	50
22	Prospective assessment of short-term propylene glycol tolerance in neonates. <i>Archives of Disease in Childhood</i> , 2010, 95, 1054-1058.	1.9	49
23	Substantial Variation in Transplacental Transfer of Chemotherapeutic Agents in a Mouse Model. <i>Reproductive Sciences</i> , 2011, 18, 57-63.	2.5	48
24	Translational Pharmacodynamics of Calcitonin Gene-Related Peptide Monoclonal Antibody LY2951742 in a Capsaicin-Induced Dermal Blood Flow Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 354, 350-357.	2.5	48
25	Multiple-Dose Pharmacokinetics, Pharmacodynamics, and Safety of Taranabant, a Novel Selective Cannabinoid Receptor Inverse Agonist, in Healthy Male Volunteers. <i>Journal of Clinical Pharmacology</i> , 2008, 48, 734-744.	2.0	47
26	Pharmacokinetics of paracetamol and its metabolites in women at delivery and postpartum. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 850-860.	2.4	47
27	Tramadol and O-Desmethyl Tramadol Clearance Maturation and Disposition in Humans: A Pooled Pharmacokinetic Study. <i>Clinical Pharmacokinetics</i> , 2015, 54, 167-178.	3.5	45
28	The use of diameter distension waveforms as an alternative for tonometric pressure to assess carotid blood pressure. <i>Physiological Measurement</i> , 2010, 31, 543-553.	2.1	43
29	Nonselective cyclo-oxygenase inhibitors and glomerular filtration rate in preterm neonates. <i>Pediatric Nephrology</i> , 2005, 20, 1557-1561.	1.7	39
30	Determinants of Drug Metabolism in Early Neonatal Life. <i>Current Clinical Pharmacology</i> , 2007, 2, 23-29.	0.6	39
31	Novel antibody cocktail targeting Bet v 1 rapidly and sustainably treats birch allergy symptoms in a phase 1 study. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 189-199.	2.9	38
32	Cefazolin pharmacokinetics in maternal plasma and amniotic fluid during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 200, 170.e1-170.e7.	1.3	37
33	The impact of ibuprofen on renal clearance in preterm infants is independent of the gestational age. <i>Pediatric Nephrology</i> , 2005, 20, 740-743.	1.7	36
34	Developmental pharmacokinetics of propylene glycol in preterm and term neonates. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 162-171.	2.4	35
35	The influence of migraine and female hormones on capsaicin-induced dermal blood flow. <i>Cephalalgia</i> , 2017, 37, 1164-1172.	3.9	34
36	The potent calcitonin gene-related peptide receptor antagonist, telcagepant, does not affect nitroglycerin-induced vasodilation in healthy men. <i>British Journal of Clinical Pharmacology</i> , 2011, 71, 708-717.	2.4	31

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37	What We Observe In Vivo Is Not Always What We See In Vitro: Development and Validation of <sup>11</sup> C-JNJ-42491293, A Novel Radioligand for mGluR2. <i>Journal of Nuclear Medicine</i> , 2017, 58, 110-116.	5.0	31
38	Dose-dependent effects of the CRF1 receptor antagonist R317573 on regional brain activity in healthy male subjects. <i>Psychopharmacology</i> , 2010, 208, 109-119.	3.1	30
39	Developmental changes rather than repeated administration drive paracetamol glucuronidation in neonates and infants. <i>European Journal of Clinical Pharmacology</i> , 2015, 71, 1075-1082.	1.9	30
40	Development of anti-migraine therapeutics using the capsaicin-induced dermal blood flow model. <i>British Journal of Clinical Pharmacology</i> , 2015, 80, 992-1000.	2.4	29
41	Antenatal sildenafil administration to prevent pulmonary hypertension in congenital diaphragmatic hernia (SToP-PH): study protocol for a phase I/IIb placenta transfer and safety study. <i>Trials</i> , 2018, 19, 524.	1.6	27
42	Endothelial function in migraine: a cross-sectional study. <i>BMC Neurology</i> , 2010, 10, 119.	1.8	26
43	Pharmacokinetics during therapeutic hypothermia for neonatal hypoxic ischaemic encephalopathy: a literature review. <i>BMJ Paediatrics Open</i> , 2020, 4, e000685.	1.4	26
44	Interictal Type 1 Cannabinoid Receptor Binding is Increased in Female Migraine Patients. <i>Headache</i> , 2012, 52, 433-440.	3.9	25
45	Drug disposition and modelling before and after gastric bypass: immediate and controlled-release metoprolol formulations. <i>British Journal of Clinical Pharmacology</i> , 2015, 80, 1021-1030.	2.4	25
46	Evaluation of [ <sup>18</sup> F]MK-0911, a positron emission tomography (PET) tracer for opioid receptor-like 1 (ORL1), in rhesus monkey and human. <i>NeuroImage</i> , 2013, 68, 1-10.	4.2	24
47	Drug disposition before and after gastric bypass: fenofibrate and posaconazole. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 1325-1332.	2.4	24
48	In Vivo Characterization and Dynamic Receptor Occupancy Imaging of TPA023B, an $\pm 2/\pm 3/\pm 5$ Subtype Selective <sup>13</sup> -Aminobutyric Acid A Partial Agonist. <i>Biological Psychiatry</i> , 2008, 64, 153-161.	1.3	23
49	<sup>11</sup> C-MK-8278 PET as a Tool for Pharmacodynamic Brain Occupancy of Histamine 3 Receptor Inverse Agonists. <i>Journal of Nuclear Medicine</i> , 2014, 55, 65-72.	5.0	23
50	RVCL-S and CADASIL display distinct impaired vascular function. <i>Neurology</i> , 2018, 91, e956-e963.	1.1	23
51	Pharmacokinetics of caspofungin in a critically ill patient with liver cirrhosis. <i>European Journal of Clinical Pharmacology</i> , 2011, 67, 753-755.	1.9	22
52	The propylene glycol research project to illustrate the feasibility and difficulties to study toxicokinetics in neonates. <i>International Journal of Pharmaceutics</i> , 2012, 435, 112-114.	5.2	21
53	Characterizing the PK/PD relationship for inhibition of capsaicin-induced dermal vasodilatation by MK-3207, an oral calcitonin gene related peptide receptor antagonist. <i>British Journal of Clinical Pharmacology</i> , 2015, 79, 831-837.	2.4	20
54	SLC22A1/OCT1 Genotype Affects O-desmethyltramadol Exposure in Newborn Infants. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 487-492.	2.0	20

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55	Does intravenous paracetamol administration affect body temperature in neonates?. Archives of Disease in Childhood, 2011, 96, 301-304.	1.9	18
56	A randomized clinical trial comparing point-of-care platelet function assays and bleeding time in healthy subjects treated with aspirin or clopidogrel. Platelets, 2012, 23, 249-258.	2.3	17
57	Characterization of the novel GlyT1 PET tracer [ <sup>18</sup> F]MK6577 in humans. Synapse, 2015, 69, 33-40.	1.2	17
58	Relationship between In Vivo CYP3A4 Activity, CYP3A5 Genotype, and Systemic Tacrolimus Metabolite/Parent Drug Ratio in Renal Transplant Recipients and Healthy Volunteers. Drug Metabolism and Disposition, 2018, 46, 1507-1513.	3.3	17
59	Low but Inducible Contribution of Renal Elimination to Clearance of Propylene Glycol in Preterm and Term Neonates. Therapeutic Drug Monitoring, 2014, 36, 278-287.	2.0	16
60	Paracetamol pharmacokinetics and metabolism in young women. BMC Anesthesiology, 2015, 15, 163.	1.8	16
61	Clinical validation of the novel HDAC6 radiotracer [18F]EKZ-001 in the human brain. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 596-611.	6.4	16
62	Quantification, Variability, and Reproducibility of Basal Skeletal Muscle Glucose Uptake in Healthy Humans Using <sup>18</sup> F-FDG PET/CT. Journal of Nuclear Medicine, 2015, 56, 1520-1526.	5.0	14
63	Pharmacokinetic Interactions between the Hepatitis C Virus Inhibitors Elbasvir and Grazoprevir and HIV Protease Inhibitors Ritonavir, Atazanavir, Lopinavir, and Darunavir in Healthy Volunteers. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	13
64	Development of an <i>in vivo</i> target engagement biomarker for TRPA1 antagonists in humans. British Journal of Clinical Pharmacology, 2017, 83, 603-611.	2.4	12
65	Determination of Propylene Glycol in Low Volume Plasma and Urine Samples of Neonates by LC with Photodiode Array Detection. Chromatographia, 2011, 73, 463-470.	1.3	10
66	The PET tracer [ <sup>11</sup> C]MK-6884 quantifies M4 muscarinic receptor in rhesus monkeys and patients with Alzheimer's disease. Science Translational Medicine, 2022, 14, eabg3684.	12.4	10
67	The effects of laropiprant, a selective prostaglandin D2receptor 1 antagonist, on the antiplatelet activity of clopidogrel or aspirin. Platelets, 2011, 22, 495-503.	2.3	9
68	The Impact of Caesarean Delivery on Paracetamol and Ketorolac Pharmacokinetics: A Paired Analysis. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-5.	3.0	9
69	Biochemical tolerance during low dose propylene glycol exposure in neonates: A formulation-controlled evaluation. DARU, Journal of Pharmaceutical Sciences, 2012, 20, 5.	2.0	9
70	Renal Side Effects of Non-Steroidal Anti-Inflammatory Drugs in Neonates. Pharmaceuticals, 2010, 3, 393-405.	3.8	8
71	Body weight, gender and pregnancy affect enantiomer-specific ketorolac pharmacokinetics. British Journal of Clinical Pharmacology, 2017, 83, 1966-1975.	2.4	8
72	Enantiomer-specific ketorolac pharmacokinetics in young women, including pregnancy and postpartum period. Bosnian Journal of Basic Medical Sciences, 2017, 17, 54-60.	1.0	8

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73	The pharmacokinetics of a high intravenous dose of paracetamol after caesarean delivery. <i>European Journal of Anaesthesiology</i> , 2012, 29, 484-488.	1.7	7
74	Laser speckle contrast imaging, the future DBF imaging technique for TRP target engagement biomarker assays. <i>Microvascular Research</i> , 2020, 129, 103965.	2.5	7
75	Safety and immunogenicity of fully liquid and lyophilized formulations of an investigational trivalent group B streptococcus vaccine in healthy non-pregnant women: Results from a randomized comparative phase II trial. <i>Vaccine</i> , 2020, 38, 3227-3234.	3.8	7
76	Low-dose capsaicin (0.01 mM) nasal spray is equally effective as the current standard treatment for idiopathic rhinitis: A randomized, double-blind, placebo-controlled trial. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 397-400.e4.	2.9	7
77	Minimally invasive quantification of cerebral P2X7R occupancy using dynamic [18F]JNJ-64413739 PET and MRA-driven image derived input function. <i>Scientific Reports</i> , 2021, 11, 16172.	3.3	6
78	Increasing the dose of voriconazole compensates for enzyme induction by phenytoin. <i>British Journal of Clinical Pharmacology</i> , 2010, 69, 701-702.	2.4	5
79	No arguments for increased endothelial nitric oxide synthase activity in migraine based on peripheral biomarkers. <i>Cephalalgia</i> , 2010, 30, 1354-1365.	3.9	5
80	Urinary metabolites after intravenous propofol bolus in neonates. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2013, 38, 97-103.	1.6	5
81	GCT1021-01, a first-in-human, open-label, dose-escalation trial with expansion cohorts to evaluate safety of Axl-specific antibody-drug conjugate (HuMax-Axl-ADC) in patients with solid tumors (NCT02988817).. <i>Journal of Clinical Oncology</i> , 2017, 35, TPS2605-TPS2605.	1.6	5
82	The impact of pregnancy on urinary ketorolac metabolites after single intravenous bolus. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2013, 38, 1-4.	1.6	4
83	In vivo CYP3A4 activity does not predict the magnitude of interaction between itraconazole and tacrolimus from an extended release formulation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 124, 50-55.	2.5	4
84	Determination of Racemic Ketorolac, Ketorolac Enantiomers and Their Metabolites in Human Plasma and Urine by LC-UV, Applied in Clinical Study During and After Pregnancy. <i>Chromatographia</i> , 2014, 77, 803-812.	1.3	3
85	Human biodistribution and dosimetry of [11C]-UCB-J, a PET radiotracer for imaging synaptic density. <i>EJNMMI Physics</i> , 2021, 8, 37.	2.7	3
86	Comments on $^{45}\text{Ca}$ -Calcitonin gene-related peptide (CGRP) levels during glyceryl trinitrate (GTN)-induced headache in healthy volunteers <sup>TM</sup> . <i>Cephalalgia</i> , 2011, 31, 380-380.	3.9	2
87	Effective analgesia after cesarean delivery needs pharmacokinetic input. <i>Journal of Anaesthesiology Clinical Pharmacology</i> , 2012, 28, 409.	0.7	2
88	EUFEMED London Conference 2017: Exploratory Medicines Development: Innovation and Risk Management. <i>Frontiers in Pharmacology</i> , 2017, 8, 901.	3.5	2
89	First-in-human development of a pharmacodynamic biomarker for PAC <sub>1</sub> receptor antagonists using intradermal injections of maxadilan. <i>Clinical and Translational Science</i> , 0, , .	3.1	2
90	Tu1469 Evaluation of a New Motilin Receptor Agonist, GSK962040, on the Migrating Motor Complex and Gastric pH in Healthy Human Volunteers. <i>Gastroenterology</i> , 2012, 142, S-841.	1.3	1

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91	The interindividual variability in metabolism of the analgesic tramadol in neonates is independent of their disease state characteristics. <i>Journal of Neonatal-Perinatal Medicine</i> , 2009, 2, 115-122.	0.8	0
92	Doppler Ultrasound to assess the pharmacodynamic effects of splanchnic vasoactive compounds. <i>British Journal of Clinical Pharmacology</i> , 2021, , .	2.4	0
93	Determinants of tramadol metabolism in neonates and young infants differ when based on either plasma or urine samples. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-15-8.	0.0	0