

Jacobus Burggraaf

List of Publications by Year in descending order

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99
papers

2,683
citations

218677

26
h-index

214800

47
g-index

99
all docs

99
docs citations

99
times ranked

3158
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Tumor-Specific Agent for Intraoperative Near-Infrared Fluorescence Imaging: A Translational Study in Healthy Volunteers and Patients with Ovarian Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 2929-2938.	7.0	218
2	Safety and effectiveness of SGM-101, a fluorescent antibody targeting carcinoembryonic antigen, for intraoperative detection of colorectal cancer: a dose-escalation pilot study. <i>The Lancet Gastroenterology and Hepatology</i> , 2018, 3, 181-191.	8.1	146
3	Fosfomycin: Pharmacological, Clinical and Future Perspectives. <i>Antibiotics</i> , 2017, 6, 24.	3.7	127
4	Fundamentals and developments in fluorescence-guided cancer surgery. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 9-22.	27.6	122
5	Intraoperative imaging of folate receptor alpha positive ovarian and breast cancer using the tumor specific agent EC17. <i>Oncotarget</i> , 2016, 7, 32144-32155.	1.8	116
6	Image-Guided Surgery in Patients with Pancreatic Cancer: First Results of a Clinical Trial Using SGM-101, a Novel Carcinoembryonic Antigen-Targeting, Near-Infrared Fluorescent Agent. <i>Annals of Surgical Oncology</i> , 2018, 25, 3350-3357.	1.5	110
7	Circadian Rhythm of Plasma Leptin Levels in Upper and Lower Body Obese Women: Influence of Body Fat Distribution and Weight Loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 1706-1712.	3.6	104
8	Endothelial Function in Patients with Hyperthyroidism Before and After Treatment with Propranolol and Thiamazol. <i>Thyroid</i> , 2001, 11, 153-160.	4.5	94
9	Acute Kidney Injury During Therapy With an Antisense Oligonucleotide Directed Against PCSK9. <i>American Journal of Kidney Diseases</i> , 2013, 62, 796-800.	1.9	84
10	Stimulation programs for pediatric drug research – do children really benefit?. <i>European Journal of Pediatrics</i> , 2007, 166, 849-855.	2.7	78
11	Real-time near-infrared fluorescence imaging using cRGD-ZW800-1 for intraoperative visualization of multiple cancer types. <i>Oncotarget</i> , 2017, 8, 21054-21066.	1.8	60
12	Sympathovagal imbalance in hyperthyroidism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E190-E195.	3.5	58
13	Continuous intravenous furosemide in haemodynamically unstable children after cardiac surgery. <i>Intensive Care Medicine</i> , 2001, 27, 711-715.	8.2	54
14	Cardiovascular side effects of inhaled salbutamol in hypoxic asthmatic patients. <i>Thorax</i> , 2001, 56, 567-569.	5.6	54
15	Comparison of the impact of vaginal and oral administration of combined hormonal contraceptives on hepatic proteins sensitive to estrogen. <i>Contraception</i> , 2007, 75, 430-437.	1.5	52
16	First-in-Human Assessment of cRGD-ZW800-1, a Zwitterionic, Integrin-Targeted, Near-Infrared Fluorescent Peptide in Colon Carcinoma. <i>Clinical Cancer Research</i> , 2020, 26, 3990-3998.	7.0	48
17	Comparative effects of a contraceptive vaginal ring delivering a nonandrogenic progestin and continuous ethinyl estradiol and a combined oral contraceptive containing levonorgestrel on hemostasis variables. <i>American Journal of Obstetrics and Gynecology</i> , 2006, 195, 72-77.	1.3	45
18	Urinary kidney biomarkers for early detection of nephrotoxicity in clinical drug development. <i>British Journal of Clinical Pharmacology</i> , 2014, 77, 947-957.	2.4	44

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19	Pharmacokinetic and pharmacodynamic profiles of sumatriptan in migraine patients with headache recurrence or no response*. <i>Clinical Pharmacology and Therapeutics</i> , 1996, 60, 452-460.	4.7	38
20	Carcinoembryonic antigen-specific, fluorescent image-guided cytoreductive surgery with hyperthermic intraperitoneal chemotherapy for metastatic colorectal cancer. <i>British Journal of Surgery</i> , 2020, 107, 334-337.	0.3	36
21	Evaluation of biomarkers for cardiotoxicity of anthracyclin-based chemotherapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2008, 134, 961-968.	2.5	35
22	Setting Standards for Reporting and Quantification in Fluorescence-Guided Surgery. <i>Molecular Imaging and Biology</i> , 2019, 21, 11-18.	2.6	35
23	First proof of pharmacology in humans of a novel glucagon receptor antisense drug. <i>Journal of Clinical Pharmacology</i> , 2015, 55, 298-306.	2.0	34
24	Injection site reactions after subcutaneous oligonucleotide therapy. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 340-351.	2.4	33
25	Altered Neuroregulation of GH Secretion in Viscerally Obese Premenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 5509-5515.	3.6	31
26	Assessment of changes in liver blood flow after food intake—comparison of ICG clearance and echo-Doppler. <i>British Journal of Clinical Pharmacology</i> , 1996, 42, 499-502.	2.4	29
27	Morphological characteristics and human papillomavirus genotype predict the treatment response in cutaneous warts. <i>British Journal of Dermatology</i> , 2018, 178, 253-260.	1.5	28
28	Evaluation of lecithinized human recombinant super oxide dismutase as cardioprotectant in anthracycline-treated breast cancer patients. <i>British Journal of Clinical Pharmacology</i> , 2014, 78, 950-960.	2.4	26
29	Fluorescence-guided surgery in colorectal cancer; A review on clinical results and future perspectives. <i>European Journal of Surgical Oncology</i> , 2022, 48, 810-821.	1.0	26
30	Fluorescence-guided tumor detection with a novel anti-EpCAM targeted antibody fragment: Preclinical validation. <i>Surgical Oncology</i> , 2019, 28, 1-8.	1.6	24
31	Single- and multiple-dose nisoldipine kinetics and effects in the young, the middle-aged, and the elderly. <i>Clinical Pharmacology and Therapeutics</i> , 1989, 45, 600-607.	4.7	22
32	Population Pharmacokinetic Model Characterizing 24-Hour Variation in the Pharmacokinetics of Oral and Intravenous Midazolam in Healthy Volunteers. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2015, 4, 454-464.	2.5	22
33	Intraoperative detection of colorectal and pancreatic liver metastases using SGM-101, a fluorescent antibody targeting CEA. <i>European Journal of Surgical Oncology</i> , 2021, 47, 667-673.	1.0	22
34	The pharmacokinetics and effects of a long-acting preparation of superoxide dismutase (PC-SOD) in man. <i>British Journal of Clinical Pharmacology</i> , 2008, 65, 22-29.	2.4	20
35	Influence of 1-Desamino-8-d-Vasopressin on Endogenous Fibrinolysis, Haemodynamics and Liver Blood Flow in Healthy Subjects. <i>Clinical Science</i> , 1994, 86, 497-503.	4.3	19
36	Influence of obesity and body fat distribution on growth hormone kinetics in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E824-E829.	3.5	19

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37	Renal Effects of Antisense-Mediated Inhibition of SGLT2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 359, 280-289.	2.5	19
38	How are growth hormone and insulin-like growth factor-1 reported as markers for drug effectiveness in clinical acromegaly research? A comprehensive methodologic review. <i>Pituitary</i> , 2018, 21, 310-322.	2.9	19
39	A randomized controlled proof-of-concept trial of digoxin and furosemide in adults with cutaneous warts. <i>British Journal of Dermatology</i> , 2019, 180, 1058-1068.	1.5	19
40	The effect of repeated methotrexate injections on the quality of life of children with rheumatic diseases. <i>European Journal of Pediatrics</i> , 2019, 178, 17-20.	2.7	17
41	Topical antimicrobial peptide omiganan recovers cutaneous dysbiosis but does not improve clinical symptoms in patients with mild to moderate atopic dermatitis in a phase 2 randomized controlled trial. <i>Journal of the American Academy of Dermatology</i> , 2022, 86, 854-862.	1.2	17
42	Levofloxacin-Induced QTc Prolongation Depends on the Time of Drug Administration. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2016, 5, 466-474.	2.5	16
43	Characterization of immune cell, endothelial, and renal responses upon experimental human endotoxemia. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 89, 39-46.	0.7	16
44	Mobile e-diary application facilitates the monitoring of patient-reported outcomes and a high treatment adherence for clinical trials in dermatology. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 633-639.	2.4	16
45	First-in-human administration of a live-attenuated RSV vaccine lacking the G-protein assessing safety, tolerability, shedding and immunogenicity: a randomized controlled trial. <i>Vaccine</i> , 2020, 38, 6088-6095.	3.8	16
46	Neoadjuvant Treatment with Angiogenesis-Inhibitor Dovitinib Prior to Local Therapy in Hepatocellular Carcinoma: A Phase II Study. <i>Oncologist</i> , 2021, 26, 854-864.	3.7	16
47	The influence of nifedipine and captopril on liver blood flow in healthy subjects. <i>British Journal of Clinical Pharmacology</i> , 1998, 45, 447-451.	2.4	15
48	Assessment of hepatic blood flow using continuous infusion of high clearance drugs. <i>British Journal of Clinical Pharmacology</i> , 1998, 45, 463-469.	2.4	15
49	Pharmacokinetics of PC-SOD, a Lecithinized Recombinant Superoxide Dismutase, After Single and Multiple Dose Administration to Healthy Japanese and Caucasian Volunteers. <i>Journal of Clinical Pharmacology</i> , 2008, 48, 184-192.	2.0	15
50	The influence of reduced liver blood flow on the pharmacokinetics and pharmacodynamics of recombinant tissue factor pathway inhibitor. <i>Clinical Pharmacology and Therapeutics</i> , 2000, 67, 504-511.	4.7	14
51	The effect of warfarin on the pharmacokinetics and pharmacodynamics of napsagatran in healthy male volunteers. <i>European Journal of Clinical Pharmacology</i> , 2001, 57, 25-29.	1.9	14
52	The sugar absorption test in the evaluation of the gastrointestinal intolerance to bisphosphonates: Studies with oral pamidronate. <i>Clinical Pharmacology and Therapeutics</i> , 2001, 69, 431-437.	4.7	14
53	The Synthetic Pentasaccharide Fondaparinux Sodium Does Not Interact with Oral Warfarin*. <i>Clinical Pharmacokinetics</i> , 2002, 41, 27-29.	3.5	14
54	Development of an optimal furosemide infusion strategy in infants with modeling and simulation. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 72, 383-390.	4.7	14

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55	Topical ionic contra-viral therapy comprised of digoxin and furosemide as a potential novel treatment approach for common warts. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2017, 31, 2088-2090.	2.4	14
56	An exploratory study with an adaptive continuous intravenous furosemide regimen in neonates treated with extracorporeal membrane oxygenation. <i>Critical Care</i> , 2007, 11, R111.	5.8	13
57	Identifying 24h variation in the pharmacokinetics of levofloxacin: a population pharmacokinetic approach. <i>British Journal of Clinical Pharmacology</i> , 2016, 81, 256-268.	2.4	13
58	A Novel Somatostatin-Dopamine Chimera (BIM23B065) Reduced GH Secretion in a First-in-Human Clinical Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 883-891.	3.6	13
59	Novel SGLT2 inhibitor: first-in-man studies of antisense compound is associated with unexpected renal effects. <i>Pharmacology Research and Perspectives</i> , 2017, 5, e00292.	2.4	12
60	Developing and validating the Cutaneous WARTS (CWARTS) diagnostic tool: a novel clinical assessment and classification system for cutaneous warts. <i>British Journal of Dermatology</i> , 2018, 178, 527-534.	1.5	12
61	Immunomonitoring of Tacrolimus in Healthy Volunteers: The First Step from PK- to PD-Based Therapeutic Drug Monitoring?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4710.	4.1	12
62	Absence of tolerance and toxicity to high-dose continuous intravenous furosemide in haemodynamically unstable infants after cardiac surgery. <i>British Journal of Clinical Pharmacology</i> , 2007, 64, 070621084156041-???	2.4	11
63	Metabolic profile of a continuous versus a cyclic low-dose combined oral contraceptive after one year of use. <i>European Journal of Contraception and Reproductive Health Care</i> , 2011, 16, 85-94.	1.5	11
64	Comprehensive evaluation of microneedle-based intradermal adalimumab delivery vs subcutaneous administration: results of a randomized controlled clinical trial. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 3162-3176.	2.4	11
65	Sorbitol as a marker for drug-induced decreases of variable duration in liver blood flow in healthy volunteers. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 12, 133-139.	4.0	10
66	Administration of an adeno-associated viral vector expressing interferon- β in patients with inflammatory hand arthritis, results of a phase I/II study. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 52-60.	1.3	10
67	Results of phase 2 trials exploring the safety and efficacy of omiganan in patients with human papillomavirus-induced genital lesions. <i>British Journal of Clinical Pharmacology</i> , 2020, 86, 2133-2143.	2.4	9
68	Clinical Pharmacology of Radiotheranostics in Oncology. <i>Clinical Pharmacology and Therapeutics</i> , 2023, 113, 260-274.	4.7	9
69	Pharmacokinetics of fosfomycin in patients with prophylactic treatment for recurrent <i>Escherichia coli</i> urinary tract infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 3278-3285.	3.0	8
70	Overview and Future Perspectives on Tumor-Targeted Positron Emission Tomography and Fluorescence Imaging of Pancreatic Cancer in the Era of Neoadjuvant Therapy. <i>Cancers</i> , 2021, 13, 6088.	3.7	8
71	Highlighting the Undetectable β Fluorescence Molecular Imaging in Gastrointestinal Endoscopy. <i>Molecular Imaging and Biology</i> , 2023, 25, 18-35.	2.6	8
72	Retinal microcirculation imaging in sickle cell disease patients. <i>Microvascular Research</i> , 2018, 116, 1-5.	2.5	7

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73	Challenges and opportunities of pharmacological interventions for osteoarthritis: A review of current clinical trials and developments. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100212.	2.0	7
74	Estimation of growth hormone secretion rate: impact of kinetic assumptions intrinsic to the analytical approach. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 280, R225-R232.	1.8	6
75	Recombinant human erythropoietin does not affect several microvascular parameters in well-trained cyclists. <i>Physiological Reports</i> , 2018, 6, e13924.	1.7	6
76	The Effect of a 13-Valent Conjugate Pneumococcal Vaccine on Circulating Antibodies Against Oxidized LDL and Phosphorylcholine in Man, A Randomized Placebo-Controlled Clinical Trial. <i>Biology</i> , 2020, 9, 345.	2.8	6
77	Potential targets for tumor-specific imaging of vulvar squamous cell carcinoma: A systematic review of candidate biomarkers. <i>Gynecologic Oncology</i> , 2020, 156, 734-743.	1.4	6
78	Side-by-Side Comparison of uPAR-Targeting Optical Imaging Antibodies and Antibody Fragments for Fluorescence-Guided Surgery of Solid Tumors. <i>Molecular Imaging and Biology</i> , 2021, , 1.	2.6	6
79	A two-step deconvolution-analysis-informed population pharmacodynamic modeling approach for drugs targeting pulsatile endogenous compounds. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2017, 44, 389-400.	1.8	5
80	Cardiac age detected by machine learning applied to the surface ECG of healthy subjects: Creation of a benchmark. <i>Journal of Electrocardiology</i> , 2022, 72, 49-55.	0.9	5
81	Clinically Important Interaction Between Tedisamil and Verapamil. <i>Journal of Clinical Pharmacology</i> , 2009, 49, 560-567.	2.0	4
82	Characterization of a Standardized Glucagon Challenge Test as a Pharmacodynamic Tool in Pharmacological Research. <i>Hormone and Metabolic Research</i> , 2014, 46, 269-273.	1.5	4
83	The Pharmacodynamic Effects of a Dopamine-Somatostatin Chimera Agonist on the Cardiovascular System. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 128-136.	1.9	4
84	The use of machine learning improves the assessment of drug-induced driving behaviour. <i>Accident Analysis and Prevention</i> , 2020, 148, 105822.	5.7	4
85	Changes in body fat and lipid metabolism in testicular cancer patients undergoing curative chemotherapy.. <i>Journal of Clinical Oncology</i> , 2012, 30, 337-337.	1.6	4
86	Increased impact of a contraceptive vaginal ring with ethinyl estradiol and nesterone on C-reactive protein. <i>Steroids</i> , 2012, 77, 1483-1486.	1.8	3
87	Quantitative dynamic near-infrared fluorescence imaging using indocyanine green for analysis of bowel perfusion after mesenteric resection. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	3
88	Detection of cutaneous oxygen saturation using a novel snapshot hyperspectral camera: a feasibility study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3966-3977.	2.0	3
89	Clinical, Cellular, and Molecular Effects of Corticosteroids on the Response to Intradermal Lipopolysaccharide Administration in Healthy Volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 111, 964-971.	4.7	3
90	Effect of short-term fasting on electrocardiographic parameters. <i>Annals of Noninvasive Electrocardiology</i> , 2019, 24, e12643.	1.1	2

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91	No effect of topical digoxin and furosemide gel for patients with external anogenital warts. Journal of the European Academy of Dermatology and Venereology, 2020, 34, e45-e46.	2.4	2
92	Quantification of the endogenous growth hormone and prolactin lowering effects of a somatostatin-dopamine chimera using population PK/PD modeling. Journal of Pharmacokinetics and Pharmacodynamics, 2020, 47, 229-239.	1.8	2
93	Model informed quantification of the feed-forward stimulation of growth hormone by growth hormone-releasing hormone. British Journal of Clinical Pharmacology, 2020, 86, 1575-1584.	2.4	2
94	An exploratory first-in-man study to investigate the pharmacokinetics and safety of liposomal dexamethasone at a 2- and 1-week interval in patients with metastatic castration resistant prostate cancer. Pharmacology Research and Perspectives, 2021, 9, e00845.	2.4	2
95	Image guided surgery using near-infrared fluorescence: road to clinical translation of novel probes for real time tumor visualization. Proceedings of SPIE, 2017, , .	0.8	1
96	PK/PD modeling of 5-hydroxytryptophan (5-HTP) challenge test with cortisol measurement in serum and saliva. Pharmacology Research and Perspectives, 2020, 8, e00574.	2.4	1
97	Additive effect of erythropoietin use on exercise-induced endothelial activation and hypercoagulability in athletes. European Journal of Applied Physiology, 2020, 120, 1893-1904.	2.5	1
98	Integrin $\alpha_6\beta_1$ as a Target for Tumor-Specific Imaging of Vulvar Squamous Cell Carcinoma and Adjacent Premalignant Lesions. Cancers, 2021, 13, 6006.	3.7	1
99	Response to "Time of the Day and Magnitude of the Effect of a Drug on the QTc Interval". CPT: Pharmacometrics and Systems Pharmacology, 2017, 6, 284-284.	2.5	0