

# Leonid Kagan

## List of Publications by Year in descending order

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43  
papers

1,015  
citations

430874

18  
h-index

434195

31  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intradermal and transdermal drug delivery using microneedles – Fabrication, performance evaluation and application to lymphatic delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 153, 195-215.	13.7	102
2	The role of the lymphatic system in subcutaneous absorption of macromolecules in the rat model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 759-765.	4.3	89
3	Subcutaneous Absorption of Monoclonal Antibodies: Role of Dose, Site of Injection, and Injection Volume on Rituximab Pharmacokinetics in Rats. <i>Pharmaceutical Research</i> , 2012, 29, 490-499.	3.5	82
4	Gastroretentive Accordion Pill: Enhancement of riboflavin bioavailability in humans. <i>Journal of Controlled Release</i> , 2006, 113, 208-215.	9.9	69
5	High-Dose Bupivacaine Remotely Loaded into Multivesicular Liposomes Demonstrates Slow Drug Release Without Systemic Toxic Plasma Concentrations After Subcutaneous Administration in Humans. <i>Anesthesia and Analgesia</i> , 2010, 110, 1018-1023.	2.2	68
6	Pharmacokinetic Modeling of the Subcutaneous Absorption of Therapeutic Proteins. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1890-1905.	3.3	67
7	Quantitative analysis of lab-to-lab variability in Caco-2 permeability assays. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 38-42.	4.3	61
8	Interspecies Scaling of Receptor-Mediated Pharmacokinetics and Pharmacodynamics of Type I Interferons. <i>Pharmaceutical Research</i> , 2010, 27, 920-932.	3.5	42
9	Mechanisms of Subcutaneous Absorption of Rituximab in Rats. <i>Drug Metabolism and Disposition</i> , 2013, 41, 248-255.	3.3	41
10	Lipophilic activated ester prodrug approach for drug delivery to the intestinal lymphatic system. <i>Journal of Controlled Release</i> , 2018, 286, 10-19.	9.9	41
11	Dual Physiologically Based Pharmacokinetic Model of Liposomal and Nonliposomal Amphotericin B Disposition. <i>Pharmaceutical Research</i> , 2014, 31, 35-45.	3.5	37
12	Cardiac glycoside cerberin exerts anticancer activity through PI3K/AKT/mTOR signal transduction inhibition. <i>Cancer Letters</i> , 2019, 453, 57-73.	7.2	37
13	Somatosensory predictors of response to pregabalin in painful chemotherapy-induced peripheral neuropathy: a randomized, placebo-controlled, crossover study. <i>Pain</i> , 2019, 160, 1835-1846.	4.2	30
14	Interspecies Modeling and Prediction of Human Exenatide Pharmacokinetics. <i>Pharmaceutical Research</i> , 2013, 30, 751-760.	3.5	29
15	Prevention of paclitaxel-induced neuropathy by formulation approach. <i>Journal of Controlled Release</i> , 2019, 303, 109-116.	9.9	28
16	Interspecies Pharmacokinetic Modeling of Subcutaneous Absorption of Rituximab in Mice and Rats. <i>Pharmaceutical Research</i> , 2014, 31, 3265-3273.	3.5	24
17	Physiologically Based Pharmacokinetic Model of Amphotericin B Disposition in Rats Following Administration of Deoxycholate Formulation (Fungizone®): Pooled Analysis of Published Data. <i>AAPS Journal</i> , 2011, 13, 255-64.	4.4	23
18	Effect of mode of administration on guaifenesin pharmacokinetics and expectorant action in the rat model. <i>Pulmonary Pharmacology and Therapeutics</i> , 2009, 22, 260-265.	2.6	20

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19	A novel nucleoside rescue metabolic pathway may be responsible for therapeutic effect of orally administered cordycepin. <i>Scientific Reports</i> , 2019, 9, 15760.	3.3	17
20	Physiologically-based modeling and interspecies prediction of paclitaxel pharmacokinetics. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2018, 45, 577-592.	1.8	12
21	Evaluation of the chromogenic anti-factor IIa assay to assess dabigatran exposure in geriatric patients with atrial fibrillation in an outpatient setting. <i>Thrombosis Journal</i> , 2016, 14, 10.	2.1	11
22	Interspecies prediction of pharmacokinetics and tissue distribution of doxorubicin by physiologically-based pharmacokinetic modeling. <i>Biopharmaceutics and Drug Disposition</i> , 2020, 41, 192-205.	1.9	9
23	Population Pharmacokinetics and Significant Under-Dosing of Anti-Tuberculosis Medications in People with HIV and Critical Illness. <i>Antibiotics</i> , 2021, 10, 739.	3.7	9
24	Cefoxitin Plasma and Subcutaneous Adipose Tissue Concentration in Patients Undergoing Sleeve Gastrectomy. <i>Clinical Therapeutics</i> , 2016, 38, 204-210.	2.5	7
25	Attainment of target rifampicin concentrations in cerebrospinal fluid during treatment of tuberculous meningitis. <i>International Journal of Infectious Diseases</i> , 2019, 84, 15-21.	3.3	7
26	Osteoarthritis disease progression model using six year follow-up data from the osteoarthritis initiative. <i>Journal of Clinical Pharmacology</i> , 2015, 55, 269-278.	2.0	6
27	<p>Evaluation of treatment options for methicillin-resistant <em>Staphylococcus aureus</em> infections in the obese patient</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 877-891.	2.7	6
28	Simultaneous quantification of ondansetron and tariquidar in rat and human plasma using a high performance liquid chromatography-ultraviolet method. <i>Biomedical Chromatography</i> , 2019, 33, e4653.	1.7	5
29	Is rat a good model for assessment of particulate-based taste-masked formulations?. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 146, 1-9.	4.3	5
30	Lymphatic Distribution of Etanercept Following Intravenous and Subcutaneous Delivery to Rats. <i>Pharmaceutical Research</i> , 2020, 37, 155.	3.5	5
31	Predicting Intestinal and Hepatic First-Pass Metabolism of Orally Administered Testosterone Undecanoate. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7283.	2.5	5
32	Plasma and cerebrospinal fluid pharmacokinetics of ondansetron in humans. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 516-526.	2.4	4
33	Prediction of Individual Analgesic Response to Intravenous Lidocaine in Painful Diabetic Peripheral Neuropathy. <i>Clinical Journal of Pain</i> , 2022, 38, 65-76.	1.9	4
34	Evaluation and enhancement of standard equations for renal function estimation in individuals with components of metabolic disease. <i>BMC Nephrology</i> , 2021, 22, 389.	1.8	3
35	A validated LC-MS/MS method for the quantitation of cefazolin in human adipose tissue: Application of EMR-Lipid sorbent as an efficient sample clean-up before mass spectrometric analyses. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 213, 114696.	2.8	3
36	Evaluation of the Effects of Animal Growth and Previous Exposure on the Pharmacokinetics of Rituximab in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1987-1994.	3.3	2

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37	Vitamin D Metabolism Gene Polymorphisms and Their Associated Disorders: A Literature Review. <i>Current Drug Metabolism</i> , 2022, 23, 630-651.	1.2	2
38	Redox Imbalance and Oxidative DNA Damage During Isoniazid Treatment of HIV-Associated Tuberculosis: A Clinical and Translational Pharmacokinetic Study. <i>Frontiers in Pharmacology</i> , 2020, 11, 1103.	3.5	1
39	Pharmacokinetic Modeling of the Impact of P-glycoprotein on Ondansetron Disposition in the Central Nervous System. <i>Pharmaceutical Research</i> , 2020, 37, 205.	3.5	1
40	Mechanistic Modeling of the Effect of Recombinant Human Hyaluronidase (rHuPH20) on Subcutaneous Delivery of Cetuximab in Rats. <i>Pharmaceutical Research</i> , 2022, 39, 1867-1880.	3.5	1
41	Harnessing the Action of Fibroblast Growth Factor21 as a Therapeutic Agent. <i>Current Pharmacology Reports</i> , 2017, 3, 26-35.	3.0	0
42	Exposure-Response and Clinical Outcome Modeling of Inhaled Budesonide/Formoterol Combination in Asthma Patients. <i>Pharmaceutics</i> , 2020, 12, 336.	4.5	0
43	Administration in fed state but not controlled release in the colon increases oral bioavailability of DF030263, a promising drug candidate for chronic lymphocytic leukemia. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 165, 106-112.	4.3	0