

# David G Levitt

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,047  
citations

394421

19  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkaline Phosphatase Pathophysiology with Emphasis on the Seldom-Discussed Role of Defective Elimination in Unexplained Elevations of Serum ALP – A Case Report and Literature Review. <i>Clinical and Experimental Gastroenterology</i> , 2022, Volume 15, 41-49.	2.3	13
2	&lt;p&gt;Quantitative Evaluation of D-Lactate Pathophysiology: New Insights into the Mechanisms Involved and the Many Areas in Need of Further Investigation&lt;/p&gt;. <i>Clinical and Experimental Gastroenterology</i> , 2020, Volume 13, 321-337.	2.3	36
3	Quantitative Assessment of Blood Lactate in Shock: Measure of Hypoxia or Beneficial Energy Source. <i>BioMed Research International</i> , 2020, 2020, 1-24.	1.9	13
4	&lt;p&gt;Use Of Quantitative Modelling To Elucidate The Roles Of The Liver, Gut, Kidney, And Muscle In Ammonia Homeostasis And How Lactulose And Rifaximin Alter This Homeostasis&lt;/p&gt;. <i>International Journal of General Medicine</i> , 2019, Volume 12, 367-380.	1.8	8
5	PKQuest: PBPK modeling of highly lipid soluble and extracellular solutes. <i>ADMET and DMPK</i> , 2019, 7, 60-75.	2.1	1
6	Quantitation of small intestinal permeability during normal human drug absorption. <i>BMC Pharmacology &amp; Toxicology</i> , 2013, 14, 34.	2.4	27
7	Comparison of DXA and water measurements of body fat following gastric bypass surgery and a physiological model of body water, fat, and muscle composition. <i>Journal of Applied Physiology</i> , 2010, 109, 786-795.	2.5	44
8	Quantitative relationship between the octanol/water partition coefficient and the diffusion limitation of the exchange between adipose and blood. <i>BMC Clinical Pharmacology</i> , 2010, 10, 1.	2.5	42
9	Careers of an elite cohort of U.S. basic life science postdoctoral fellows and the influence of their mentor's citation record. <i>BMC Medical Education</i> , 2010, 10, 80.	2.4	16
10	PKQuest_Java: free, interactive physiologically based pharmacokinetic software package and tutorial. <i>BMC Research Notes</i> , 2009, 2, 158.	1.4	20
11	Physiological models of body composition and human obesity. <i>Nutrition and Metabolism</i> , 2007, 4, 19.	3.0	21
12	Heterogeneity of human adipose blood flow. <i>BMC Clinical Pharmacology</i> , 2007, 7, 1.	2.5	25
13	Human physiologically based pharmacokinetic model for ACE inhibitors: ramipril and ramiprilat. <i>BMC Clinical Pharmacology</i> , 2006, 6, 1.	2.5	30
14	Human physiologically based pharmacokinetic model for propofol. <i>BMC Anesthesiology</i> , 2005, 5, 4.	1.8	62
15	Physiologically based pharmacokinetic modeling of arterial – antecubital vein concentration difference. <i>BMC Clinical Pharmacology</i> , 2004, 4, 2.	2.5	26
16	The pharmacokinetics of the interstitial space in humans. <i>BMC Clinical Pharmacology</i> , 2003, 3, 3.	2.5	81
17	PKQuest: volatile solutes – application to enflurane, nitrous oxide, halothane, methoxyflurane and toluene pharmacokinetics. <i>BMC Anesthesiology</i> , 2002, 2, 5.	1.8	17
18	PKQuest: capillary permeability limitation and plasma protein binding – application to human inulin, dicloxacillin and ceftriaxone pharmacokinetics. <i>BMC Clinical Pharmacology</i> , 2002, 2, 7.	2.5	22

#	ARTICLE	IF	CITATIONS
19	Modeling of Ion Channels. <i>Journal of General Physiology</i> , 1999, 113, 789-794.	1.9	75
20	Use of a Two-Compartment Model to Assess the Pharmacokinetics of Human Ethanol Metabolism. <i>Alcoholism: Clinical and Experimental Research</i> , 1998, 22, 1680-1688.	2.4	29
21	Use of measurements of ethanol absorption from stomach and intestine to assess human ethanol metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, G951-G957.	3.4	52
22	Crystal structure of a trapped phosphoenzyme during a catalytic reaction. <i>Nature Structural Biology</i> , 1997, 4, 615-618.	9.7	33
23	Crystallization of ADP-ribosyl cyclase from <i>Aplysia californica</i> . , 1996, 24, 138-140.		21
24	Crystal structure of <i>Aplysia</i> ADP ribosyl cyclase, a homologue of the bifunctional ectozyme CD38. <i>Nature Structural Biology</i> , 1996, 3, 957-964.	9.7	142
25	Crystallization of ADP-ribosyl cyclase from <i>Aplysia californica</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 1996, 24, 138-140.	2.6	2
26	The crystal structure of cyclic ADP-ribose. <i>Nature Structural Biology</i> , 1994, 1, 143-144.	9.7	131
27	An experimental model for measuring middle ear antimicrobial drug penetration in otitis media. <i>Pharmaceutical Research</i> , 1990, 07, 1242-1247.	3.5	22
28	Streaming potential: Continuum expression applicable to very small nonuniform ion channels. <i>Journal of Chemical Physics</i> , 1990, 92, 6953-6957.	3.0	6
29	Evaluation of the Early Extraction Method of Determining Capillary Permeability by Theoretical Capillary and Organ Models. <i>Circulation Research</i> , 1970, 27, 81-95.	4.5	19