

David G Levitt

List of Publications by Year in descending order

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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	Crystal structure of Aplysia ADP ribosyl cyclase, a homologue of the bifunctional ectozyme CD38. Nature Structural Biology, 1996, 3, 957-964.	9.7	142
2	The crystal structure of cyclic ADP-ribose. Nature Structural Biology, 1994, 1, 143-144.	9.7	131
3	The pharmacokinetics of the interstitial space in humans. BMC Clinical Pharmacology, 2003, 3, 3.	2.5	81
4	Modeling of Ion Channels. Journal of General Physiology, 1999, 113, 789-794.	1.9	75
5	Human physiologically based pharmacokinetic model for propofol. BMC Anesthesiology, 2005, 5, 4.	1.8	62
6	Use of measurements of ethanol absorption from stomach and intestine to assess human ethanol metabolism. American Journal of Physiology - Renal Physiology, 1997, 273, G951-G957.	3.4	52
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. Journal of Applied Physiology, 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. BMC Clinical Pharmacology, 2010, 10, 1.	2.5	42
9	<p>Quantitative Evaluation of D-Lactate Pathophysiology: New Insights into the Mechanisms Involved and the Many Areas in Need of Further Investigation</p>. Clinical and Experimental Gastroenterology, 2020, Volume 13, 321-337.	2.3	36
10	Crystal structure of a trapped phosphoenzyme during a catalytic reaction. Nature Structural Biology, 1997, 4, 615-618.	9.7	33
11	Human physiologically based pharmacokinetic model for ACE inhibitors: ramipril and ramiprilat. BMC Clinical Pharmacology, 2006, 6, 1.	2.5	30
12	Use of a Two-Compartment Model to Assess the Pharmacokinetics of Human Ethanol Metabolism. Alcoholism: Clinical and Experimental Research, 1998, 22, 1680-1688.	2.4	29
13	Quantitation of small intestinal permeability during normal human drug absorption. BMC Pharmacology & Toxicology, 2013, 14, 34.	2.4	27
14	Physiologically based pharmacokinetic modeling of arterial “ antecubital vein concentration difference. BMC Clinical Pharmacology, 2004, 4, 2.	2.5	26
15	Heterogeneity of human adipose blood flow. BMC Clinical Pharmacology, 2007, 7, 1.	2.5	25
16	An experimental model for measuring middle ear antimicrobial drug penetration in otitis media. Pharmaceutical Research, 1990, 07, 1242-1247.	3.5	22
17	PKQuest: capillary permeability limitation and plasma protein binding “ application to human inulin, dicloxacillin and ceftriaxone pharmacokinetics. BMC Clinical Pharmacology, 2002, 2, 7.	2.5	22
18	Crystallization of ADP-ribosyl cyclase from Aplysia californica. , 1996, 24, 138-140.		21

#	ARTICLE	IF	CITATIONS
19	Physiological models of body composition and human obesity. Nutrition and Metabolism, 2007, 4, 19.	3.0	21
20	PKQuest_Java: free, interactive physiologically based pharmacokinetic software package and tutorial. BMC Research Notes, 2009, 2, 158.	1.4	20
21	Evaluation of the Early Extraction Method of Determining Capillary Permeability by Theoretical Capillary and Organ Models. Circulation Research, 1970, 27, 81-95.	4.5	19
22	PKQuest: volatile solutes “ application to enflurane, nitrous oxide, halothane, methoxyflurane and toluene pharmacokinetics. BMC Anesthesiology, 2002, 2, 5.	1.8	17
23	Careers of an elite cohort of U.S. basic life science postdoctoral fellows and the influence of their mentor's citation record. BMC Medical Education, 2010, 10, 80.	2.4	16
24	Quantitative Assessment of Blood Lactate in Shock: Measure of Hypoxia or Beneficial Energy Source. BioMed Research International, 2020, 2020, 1-24.	1.9	13
25	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. Clinical and Experimental Gastroenterology, 2022, Volume 15, 41-49.	2.3	13
26	<p>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</p>. International Journal of General Medicine, 2019, Volume 12, 367-380.	1.8	8
27	Streaming potential: Continuum expression applicable to very small nonuniform ion channels. Journal of Chemical Physics, 1990, 92, 6953-6957.	3.0	6
28	Crystallization of ADP–ribosyl cyclase from Aplysia californica. Proteins: Structure, Function and Bioinformatics, 1996, 24, 138-140.	2.6	2
29	PKQuest: PBPK modeling of highly lipid soluble and extracellular solutes. ADMET and DMPK, 2019, 7, 60-75.	2.1	1