

# Ho-Leung Fung

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/10886009/ho-leung-fung-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109  
papers

2,977  
citations

29  
h-index

51  
g-index

110  
ext. papers

3,095  
ext. citations

4.2  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
109	Cellular interactions between L-arginine and asymmetric dimethylarginine: Transport and metabolism. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178710	3.7	12
108	Estimation of nitric oxide synthase activity via liquid chromatography/tandem mass spectrometric assay determination of <sup>15</sup> N <sub>3</sub> -citrulline in biological samples. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 447-55	2.2	1
107	In vitro organic nitrate bioactivation to nitric oxide by recombinant aldehyde dehydrogenase 3A1. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2013</b> , 35, 137-43	5	10
106	Organic nitrate metabolism and action: toward a unifying hypothesis and the future-a dedication to Professor Leslie Z. Benet. <i>Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 102, 3070-81	3.9	10
105	Continuous exposure to L-arginine induces oxidative stress and physiological tolerance in cultured human endothelial cells. <i>Amino Acids</i> , <b>2012</b> , 43, 1179-88	3.5	28
104	Mechanism of cellular oxidation stress induced by asymmetric dimethylarginine. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 7521-31	6.3	14
103	Intracellular L-arginine concentration does not determine NO production in endothelial cells: implications on the "L-arginine paradox". <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 414, 660-3	3.4	39
102	Nitroglycerin alters matrix remodeling proteins in THP-1 human macrophages and plasma metalloproteinase activity in rats. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2011</b> , 24, 66-76	5	7
101	Evaluation of an LC-MS/MS assay for <sup>15</sup> N-nitrite for cellular studies of L-arginine action. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 56, 1127-31	3.5	14
100	Identification of nitroglycerin-induced cysteine modifications of pro-matrix metalloproteinase-9. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 2291-8	2.2	8
99	Simultaneous bioanalysis of L-arginine, L-citrulline, and dimethylarginines by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 467-74	3.2	53
98	Pharmacology of Nitrovasodilators <b>2011</b> , 207-224		
97	Broad regulation of matrix and adhesion molecules in THP-1 human macrophages by nitroglycerin. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2010</b> , 22, 11-7	5	12
96	Role of glutaredoxin-mediated protein S-glutathionylation in cellular nitroglycerin tolerance. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 329, 649-56	4.7	17
95	Dissociation between superoxide accumulation and nitroglycerin-induced tolerance. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2008</b> , 327, 97-104	4.7	10
94	Pharmacokinetics of 1,4-butanediol in rats: bioactivation to gamma-hydroxybutyric acid, interaction with ethanol, and oral bioavailability. <i>AAPS Journal</i> , <b>2008</b> , 10, 56-69	3.7	10
93	An interactive lesson in acid/base and pro-drug chemistry using sodium gamma-hydroxybutyrate and commercial test coasters. <i>American Journal of Pharmaceutical Education</i> , <b>2007</b> , 71, 54	2.5	

92	Effects of inhalant nitrites on VEGF expression: a feasible link to Kaposi's sarcoma?. <i>Journal of NeuroImmune Pharmacology</i> , <b>2006</b> , 1, 317-22	6.9	7
91	Prazosin potentiates the acute hypotensive effects of nitroglycerin but does not attenuate nitrate tolerance in normal conscious rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 43, 341-6	3.1	2
90	Pharmacodynamics of in vivo nitroglycerin tolerance in normal conscious rats: effects of dose and dosing protocol. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 114-20	4.5	7
89	Liquid chromatographic-mass spectrometric determination of endogenous gamma-hydroxybutyrate concentrations in rat brain regions and plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 807, 287-91	3.2	25
88	Biochemical mechanism of nitroglycerin action and tolerance: is this old mystery solved?. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2004</b> , 44, 67-85	17.9	108
87	Beneficial effects of intraluminal nitroglycerin in intestinal ischemia-reperfusion injury in rats. <i>Journal of Surgical Research</i> , <b>2003</b> , 114, 15-24	2.5	23
86	eNOS-dependent vascular interaction between nitric oxide and calcitonin gene-related peptide in mice: gender selectivity and effects on blood aggregation. <i>Regulatory Peptides</i> , <b>2003</b> , 110, 115-22		8
85	Mechanism-based partial inactivation of glutathione S-transferases by nitroglycerin: tyrosine nitration vs sulfhydryl oxidation. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2003</b> , 8, 103-10	5	24
84	Lack of critical involvement of endothelial nitric oxide synthase in vascular nitrate tolerance in mice. <i>British Journal of Pharmacology</i> , <b>2002</b> , 135, 299-302	8.6	29
83	Pharmacologic and pharmacokinetic profile of repifermin (KGF-2) in monkeys and comparative pharmacokinetics in humans. <i>AAPS PharmSci</i> , <b>2002</b> , 4, E8		23
82	cDNA microarray analysis of vascular gene expression after nitric oxide donor infusions in rats: implications for nitrate tolerance mechanisms. <i>AAPS PharmSci</i> , <b>2002</b> , 4, E10		24
81	Effects of obesity on the pharmacodynamics of nitroglycerin in conscious rats. <i>AAPS PharmSci</i> , <b>2002</b> , 4, E28		5
80	Nitroglycerin-induced relaxation of anorectal smooth muscle: evidence for apparent lack of tolerance development in the anaesthetized rat. <i>British Journal of Pharmacology</i> , <b>2001</b> , 134, 418-24	8.6	6
79	Intestinal and hemodynamic impairment following mesenteric ischemia/reperfusion. <i>Journal of Surgical Research</i> , <b>2001</b> , 99, 114-9	2.5	63
78	Calcitonin gene-related peptide-dependent vascular relaxation of rat aorta. An additional mechanism for nitroglycerin. <i>Biochemical Pharmacology</i> , <b>2000</b> , 59, 1603-9	6	52
77	Comparison of methods for analyzing kinetic data from mechanism-based enzyme inactivation: application to nitric oxide synthase. <i>AAPS PharmSci</i> , <b>2000</b> , 2, E8		32
76	Relationship between pharmacokinetics and hemodynamic effects of inhaled isobutyl nitrite in conscious rats. <i>AAPS PharmSci</i> , <b>2000</b> , 2, E11		5
75	Attenuated nitric oxide synthase activity and protein expression accompany intestinal ischemia/reperfusion injury in rats. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 269, 160-4	3.4	30

74	Nitrite inhalation in rats elevates tissue NOS III expression and alters tyrosine nitration and phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 275, 335-42	3.4	15
73	Nonlinear pharmacokinetics of L-N(G)-methyl-arginine in rats: characterization by an improved HPLC assay. <i>Biopharmaceutics and Drug Disposition</i> , <b>1999</b> , 20, 397-400	1.7	4
72	Effects of nitro-L-arginine on blood pressure and cardiac index in anesthetized rats: a pharmacokinetic-pharmacodynamic analysis. <i>Pharmaceutical Research</i> , <b>1998</b> , 15, 1063-8	4.5	3
71	Tolerance: An Historical Overview. <i>American Journal of Cardiology</i> , <b>1998</b> , 81, 3A-14A	3	21
70	Pharmacodynamics of In Vivo Nitrate Action. <i>American Journal of Cardiology</i> , <b>1998</b> , 81, 15A-20A	3	
69	Regulation of in vivo whole blood aggregation in rats by calcitonin gene related peptide. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1998</b> , 76, 811-813	2.4	4
68	Contribution of vascular tissue to the antiplatelet activity of sodium nitroprusside. <i>Journal of Cardiovascular Pharmacology</i> , <b>1998</b> , 32, 129-33	3.1	12
67	Nitroglycerin-inhibited whole blood aggregation is partially mediated by calcitonin gene-related peptide -- a neurogenic mechanism. <i>British Journal of Pharmacology</i> , <b>1997</b> , 122, 577-83	8.6	23
66	Application of pharmacodynamic modeling for designing time-variant dosing regimens to overcome nitroglycerin tolerance in experimental heart failure. <i>Pharmaceutical Research</i> , <b>1997</b> , 14, 1140-5	4.5	19
65	Specific binding of nitroglycerin to coronary artery microsomes. Evidence of a vascular nitrate binding site. <i>Biochemical Pharmacology</i> , <b>1996</b> , 52, 619-25	6	3
64	Reversed-phase high-performance liquid chromatography method for the analysis of nitro-arginine in rat plasma and urine. <i>Biomedical Applications</i> , <b>1996</b> , 679, 7-12		6
63	Arterial versus venous metabolism of nitroglycerin to nitric oxide: a possible explanation of organic nitrate venoselectivity. <i>Journal of Cardiovascular Pharmacology</i> , <b>1996</b> , 28, 371-4	3.1	23
62	Sustained antiplatelet properties of nitroglycerin during hemodynamic tolerance in rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>1996</b> , 28, 432-8	3.1	24
61	Nitric oxide donors: biochemical pharmacology and therapeutics. <i>Advances in Pharmacology</i> , <b>1995</b> , 34, 361-81	5.7	33
60	Mechanisms of nitrate tolerance. <i>Cardiovascular Drugs and Therapy</i> , <b>1994</b> , 8, 489-99	3.9	83
59	Pharmacodynamic models of nitroglycerin-induced hemodynamic tolerance in experimental heart failure. <i>Pharmaceutical Research</i> , <b>1994</b> , 11, 816-23	4.5	36
58	A modified product inhibition model describes the nonlinear pharmacokinetics of nicorandil in rats. <i>Pharmaceutical Research</i> , <b>1994</b> , 11, 1190-8	4.5	1
57	Pharmacokinetics, plasma protein binding and urinary excretion of N omega-nitro-L-arginine in rats. <i>British Journal of Pharmacology</i> , <b>1994</b> , 111, 394-6	8.6	29

56	Photochemical generation of nitric oxide from nitro-containing compounds: possible relation to vascular photorelaxation phenomena. <i>Life Sciences</i> , <b>1994</b> , 54, PL1-4	6.8	20
55	Continuous versus intermittent nitroglycerin administration in experimental heart failure: vascular relaxation and radioligand binding to adrenoceptors and ion channels. <i>Journal of Cardiovascular Pharmacology</i> , <b>1993</b> , 22, 600-8	3.1	8
54	Effect of apparent elimination half-life on nitroglycerin-induced hemodynamic rebound in experimental heart failure. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 1341-5	4.5	12
53	Clinical pharmacology of organic nitrates. <i>American Journal of Cardiology</i> , <b>1993</b> , 72, 9C-13C; discussion 14C-15C	3	48
52	Biochemical characterization of a membrane-bound enzyme responsible for generating nitric oxide from nitroglycerin in vascular smooth muscle cells. <i>Biochemical Pharmacology</i> , <b>1993</b> , 46, 1481-6	6	46
51	Removal of Ammonia Interference in the Redox Chemiluminescence Assay of Nitric Oxide. <i>Analytical Letters</i> , <b>1992</b> , 25, 2021-2036	2.2	9
50	A common enzyme may be responsible for the conversion of organic nitrates to nitric oxide in vascular microsomes. <i>Biochemical and Biophysical Research Communications</i> , <b>1992</b> , 185, 932-7	3.4	26
49	Pharmacodynamic modeling of the in vitro vasodilating effects of organic mononitrates. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>1992</b> , 20, 227-51		8
48	Biochemical mechanism of organic nitrate action. <i>American Journal of Cardiology</i> , <b>1992</b> , 70, 4B-10B	3	87
47	Chemical stabilization of a vasoactive S-nitrosothiol with cyclodextrins without loss of pharmacologic activity. <i>Pharmaceutical Research</i> , <b>1991</b> , 8, 1329-34	4.5	11
46	Use of refractometers to detect controlled-substance tampering. <i>American Journal of Health-System Pharmacy</i> , <b>1991</b> , 48, 1488-1492	2.2	2
45	Mechanisms of creatine kinase release from isolated rat skeletal muscles damaged by propylene glycol and ethanol. <i>Journal of Pharmaceutical Sciences</i> , <b>1990</b> , 79, 393-7	3.9	25
44	Effect of organic cosolvent-induced skeletal muscle damage on the bioavailability of intramuscular [14C]diazepam. <i>Journal of Pharmaceutical Sciences</i> , <b>1990</b> , 79, 773-7	3.9	17
43	Dissociation of nitrovasodilator-induced relaxation from cyclic GMP levels during in vitro nitrate tolerance. <i>European Journal of Pharmacology</i> , <b>1990</b> , 176, 91-5	5.3	25
42	An in vitro model to evaluate muscle damage following intramuscular injections. <i>Pharmaceutical Research</i> , <b>1989</b> , 6, 167-70	4.5	31
41	Use of an in vitro model for the assessment of muscle damage from intramuscular injections: in vitro-in vivo correlation and predictability with mixed solvent systems. <i>Pharmaceutical Research</i> , <b>1989</b> , 6, 766-71	4.5	36
40	Kinetic mechanisms for the concentration dependency of in vitro degradation of nitroglycerin and glyceryl dinitrates in human blood: metabolite inhibition or cosubstrate depletion?. <i>Journal of Pharmaceutical Sciences</i> , <b>1989</b> , 78, 295-302	3.9	12
39	Effect of intermittent exposure and drug-free intervals on the in vitro vascular tolerance to nitroglycerin. <i>Life Sciences</i> , <b>1989</b> , 44, 1157-63	6.8	10

38	Complexation of nifedipine with substituted phenolic ligands. <i>Pharmaceutical Research</i> , <b>1988</b> , 5, 655-9	4.5	23
37	Tolerance to relaxation in rat aorta: comparison of an S-nitrosothiol with nitroglycerin. <i>European Journal of Pharmacology</i> , <b>1987</b> , 144, 379-83	5.3	50
36	Pharmacokinetics and pharmacodynamics of organic nitrates. <i>American Journal of Cardiology</i> , <b>1987</b> , 60, 4H-9H	3	35
35	Dose-related Prolongation of the Bleeding Time by Intravenous Nitroglycerin. <i>Anesthesia and Analgesia</i> , <b>1985</b> , 64, 30??33	3.9	25
34	Pharmacokinetic-hemodynamic interactions between vasopressin and nitroglycerin: comparison between intravenous and cutaneous routes of nitrate delivery. <i>Hepatology</i> , <b>1985</b> , 5, 264-70	11.2	18
33	Pharmacokinetics and pharmacodynamics of isosorbide dinitrate. <i>American Heart Journal</i> , <b>1985</b> , 110, 213-6	4.9	19
32	Metabolites decrease the plasma clearance of isosorbide dinitrate in rats. <i>Biopharmaceutics and Drug Disposition</i> , <b>1984</b> , 5, 85-9	1.7	17
31	Pharmacokinetics of nitroglycerin after parenteral and oral dosing in the rat. <i>Journal of Pharmaceutical Sciences</i> , <b>1984</b> , 73, 873-9	3.9	13
30	Role of the liver in the disposition of intravenous nitroglycerin in the rat. <i>Biochemical Pharmacology</i> , <b>1984</b> , 33, 2681-6	6	15
29	Pharmacokinetic determinants of nitrate action. <i>American Journal of Medicine</i> , <b>1984</b> , 76, 22-6	2.4	76
28	Transdermal nitroglycerin in angina pectoris. <i>American Journal of Cardiology</i> , <b>1984</b> , 54, 471-6	3	254
27	Transdermal isosorbide dinitrate in angina pectoris: effect of acute and sustained therapy. <i>American Journal of Cardiology</i> , <b>1984</b> , 54, 8-13	3	109
26	Inhibition of oral lead absorption in rats by phosphate-containing products. <i>Journal of Pharmaceutical Sciences</i> , <b>1983</b> , 72, 345-8	3.9	3
25	Pharmacokinetics of nitroglycerin and long-acting nitrate esters. <i>American Journal of Medicine</i> , <b>1983</b> , 74, 13-20	2.4	43
24	Oral isosorbide dinitrate in angina pectoris: comparison of duration of action an dose-response relation during acute and sustained therapy. <i>American Journal of Cardiology</i> , <b>1982</b> , 49, 411-9	3	293
23	Rectal absorption of nitroglycerin in the rat: avoidance of first-pass metabolism as a function of rectal length exposure. <i>Journal of Pharmaceutical Sciences</i> , <b>1982</b> , 71, 621-4	3.9	17
22	Isosorbide dinitrate: pharmacokinetics after intravenous administration. <i>Journal of Pharmaceutical Sciences</i> , <b>1982</b> , 71, 721-3	3.9	13
21	Nitroglycerin pharmacokinetics after intravenous infusion in normal subjects. <i>Journal of Pharmaceutical Sciences</i> , <b>1981</b> , 70, 1054-8	3.9	98

20	Kinetic characterization of in vitro lead transport across the rat small intestine: mechanism of intestinal lead transport. <i>Toxicology and Applied Pharmacology</i> , <b>1981</b> , 61, 39-47	4.6	26
19	The effect of dose on the disposition of lead in rats after intravenous and oral administration. <i>Toxicology and Applied Pharmacology</i> , <b>1981</b> , 61, 48-57	4.6	45
18	Absorption of sodium gamma-hydroxybutyrate and its prodrug gamma-butyrolactone: relationship between in vitro transport and in vivo absorption. <i>Journal of Pharmaceutical Sciences</i> , <b>1980</b> , 69, 356-8	3.9	61
17	Solubilization Of Rat Whole Blood And Erythrocytes For Automated Determination Of Lead Using Atomic Absorption Spectrophotometry. <i>Analytical Letters</i> , <b>1980</b> , 13, 347-355	2.2	4
16	Relationship between in vivo nitroglycerin metabolism and in vitro organic nitrate reductase activity in rats. <i>Biochemical Pharmacology</i> , <b>1980</b> , 29, 646-8	6	17
15	Percutaneous nitroglycerin absorption in rats. <i>Journal of Pharmaceutical Sciences</i> , <b>1979</b> , 68, 608-12	3.9	17
14	Potency and stability of extemporaneous nitroglycerin infusions. <i>American Journal of Health-System Pharmacy</i> , <b>1979</b> , 36, 173-177	2.2	
13	Improved GLC determination of plasma nitroglycerin concentrations. <i>Journal of Pharmaceutical Sciences</i> , <b>1978</b> , 67, 582-4	3.9	63
12	Pharmacokinetics of nitroglycerin in rats. <i>Journal of Pharmaceutical Sciences</i> , <b>1978</b> , 67, 584-6	3.9	40
11	Site dependence for topical absorption of nitroglycerin in rats. <i>Journal of Pharmaceutical Sciences</i> , <b>1978</b> , 67, 1345-6	3.9	12
10	Evaluation and development of gas chromatographic procedures for the determination of gamma-hydroxybutyric acid and gamma-butyrolactone in plasma. <i>Biochemical Medicine</i> , <b>1978</b> , 20, 70-80		39
9	Potency and Stability of Extemporaneously Prepared Nitroglycerin Intravenous Solutions. <i>American Journal of Health-System Pharmacy</i> , <b>1978</b> , 35, 528-529	2.2	
8	Dose-dependent pharmacokinetics of laevodopa and its metabolites in the rat. <i>Xenobiotica</i> , <b>1976</b> , 6, 237-48	2	4
7	Comparative Pharmacological Evaluation of Different Sublingual Nitroglycerin Formulations. <i>Drug Development and Industrial Pharmacy</i> , <b>1976</b> , 2, 193-209		1
6	Effects of chronic oral administration on the disposition of laevodopa and its major metabolites in the plasma of the rat. <i>Xenobiotica</i> , <b>1975</b> , 5, 611-24	2	3
5	Factors Affecting the Kinetic Assay of Nitroglycerin in Dosage Forms. <i>American Journal of Health-System Pharmacy</i> , <b>1975</b> , 32, 1039-1042	2.2	
4	Kinetic assay of nitric esters. <i>Analytical Chemistry</i> , <b>1975</b> , 47, 1183-1185	7.8	6
3	In-Vitro Comparison of the Mucolytic Activity of Sodium Metabisulfite, N-Acetylcysteine and Dithiothreitol. <i>Drug Development and Industrial Pharmacy</i> , <b>1974</b> , 1, 507-516		2

2	Letter: Development of a stable sublingual nitroglycerin tablet I: interaction of nitroglycerin with selected macromolecules. <i>Journal of Pharmaceutical Sciences</i> , <b>1974</b> , 63, 1810-2	3.9	6
1	Kinetic assay of single nitroglycerin tablets. <i>Journal of Pharmaceutical Sciences</i> , <b>1973</b> , 62, 696-7	3.9	17