

# Wonku Kang

## List of Publications by Year in descending order

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84  
papers

1,146  
citations

430874

18  
h-index

477307

29  
g-index

84  
all docs

84  
docs citations

84  
times ranked

1814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfisoxazole inhibits the secretion of small extracellular vesicles by targeting the endothelin receptor A. <i>Nature Communications</i> , 2019, 10, 1387.	12.8	130
2	Role of Intestinal Microbiota in Baicalin-Induced Drug Interaction and Its Pharmacokinetics. <i>Molecules</i> , 2016, 21, 337.	3.8	78
3	Role of metabolism by intestinal microbiota in pharmacokinetics of oral baicalin. <i>Archives of Pharmacal Research</i> , 2014, 37, 371-378.	6.3	61
4	Impact of gut microbiota on drug metabolism: an update for safe and effective use of drugs. <i>Archives of Pharmacal Research</i> , 2017, 40, 1345-1355.	6.3	56
5	Simultaneous determination of aceclofenac and its three metabolites in plasma using liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 587-591.	2.8	36
6	P-Glycoprotein Inhibitors Enhance Saturable Uptake of Idarubicin in Rat Heart: Pharmacokinetic/Pharmacodynamic Modeling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 688-694.	2.5	32
7	Effect of parity on bone mineral density: A systematic review and meta-analysis. <i>Bone</i> , 2017, 101, 70-76.	2.9	32
8	Pharmacokinetic evaluation and modeling of formulated levodopa intranasal delivery systems. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 525-532.	4.0	30
9	<i>In Vitro</i> antioxidative and anti-inflammatory activities of the ethanol extract of eggplant ( <i>Solanum melongena</i> ) stalks in macrophage RAW 264.7 cells. <i>Food and Agricultural Immunology</i> , 2016, 27, 758-771.	1.4	28
10	The significance of the trial outcome was associated with publication rate and time to publication. <i>Journal of Clinical Epidemiology</i> , 2017, 84, 78-84.	5.0	27
11	ERK1/2 antagonize AMPK-dependent regulation of Fc $\mu$ RI-mediated mast cell activation and anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 714-721.e7.	2.9	25
12	Pharmacokinetic Interaction of Chrysin with Caffeine in Rats. <i>Biomolecules and Therapeutics</i> , 2016, 24, 446-452.	2.4	25
13	The Effects of Food on the Bioavailability of Fenofibrate Administered Orally in Healthy Volunteers via Sustained-Release Capsule. <i>Clinical Pharmacokinetics</i> , 2006, 45, 425-432.	3.5	22
14	Extremely low-frequency electromagnetic field exposure enhances inflammatory response and inhibits effect of antioxidant in RAW 264.7 cells. <i>Bioelectromagnetics</i> , 2017, 38, 374-385.	1.6	21
15	C1q/TNF-Related Protein 1 (CTRP1) Maintains Blood Pressure Under Dehydration Conditions. <i>Circulation Research</i> , 2018, 123, e5-e19.	4.5	21
16	Role of metabolism by intestinal bacteria in arbutin-induced toxicity in vitro. <i>Archives of Pharmacal Research</i> , 2011, 34, 687-693.	6.3	20
17	Protective role of intestinal bacterial metabolism against baicalin-induced toxicity in HepG2 cell cultures. <i>Journal of Toxicological Sciences</i> , 2012, 37, 363-371.	1.5	20
18	Analysis of benidipine enantiomers in human plasma by liquid chromatography-mass spectrometry using a macrocyclic antibiotic (Vancomycin) chiral stationary phase column. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 814, 75-81.	2.3	19

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19	Effects of Baicalin on Oral Pharmacokinetics of Caffeine in Rats. <i>Biomolecules and Therapeutics</i> , 2015, 23, 201-206.	2.4	19
20	Influence of P-glycoprotein modulators on cardiac uptake, metabolism, and effects of idarubicin. <i>Pharmaceutical Research</i> , 2001, 18, 1535-1541.	3.5	17
21	Inhibitory Effects of Standardized <i>Boesenbergia pandurata</i> Extract and Its Active Compound Panduratin A on Lipopolysaccharide-Induced Periodontal Inflammation and Alveolar Bone Loss in Rats. <i>Journal of Medicinal Food</i> , 2018, 21, 961-970.	1.5	17
22	Modeling the Metabolism of Idarubicin to Idarubicinol in Rat Heart: Effect of Rutin and Phenobarbital. <i>Drug Metabolism and Disposition</i> , 2003, 31, 462-468.	3.3	16
23	Protective Effects of Diallyl Sulfide against Thioacetamide-Induced Toxicity: A Possible Role of Cytochrome P450 2E1. <i>Biomolecules and Therapeutics</i> , 2014, 22, 149-154.	2.4	16
24	Leptin induces CYP1B1 expression in MCF-7 cells through ligand-independent activation of the ER $\alpha$ pathway. <i>Toxicology and Applied Pharmacology</i> , 2014, 277, 39-48.	2.8	15
25	Effects of Verapamil and Diltiazem on the Pharmacokinetics and Pharmacodynamics of Rivaroxaban. <i>Pharmaceutics</i> , 2019, 11, 133.	4.5	15
26	Inhibitory Effect of Standardized <i>Curcuma xanthorrhiza</i> Supercritical Extract on LPS-Induced Periodontitis in Rats. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1614-1625.	2.1	15
27	Enantioselective determination of sibutramine and its active metabolites in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 264-267.	2.8	14
28	Effect of Korean Red Ginseng extracts on drug-drug interactions. <i>Journal of Ginseng Research</i> , 2018, 42, 370-378.	5.7	14
29	Absolute bioavailability and metabolism of aceclofenac in rats. <i>Archives of Pharmacal Research</i> , 2015, 38, 68-72.	6.3	13
30	Effect of food on systemic exposure to niflumic acid following postprandial administration of talniflumate. <i>European Journal of Clinical Pharmacology</i> , 2008, 64, 1027-1030.	1.9	12
31	Quantitative determination of amisulpride in rat plasma by HPLC-MS/MS. <i>Archives of Pharmacal Research</i> , 2015, 38, 63-67.	6.3	12
32	Simultaneous determination of 3-O-acetyloleanolic acid and oleanolic acid in rat plasma using liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 96-100.	2.8	12
33	Quantitative determination of xanthorrhizol in rat plasma by HPLC-MS/MS and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 132, 56-59.	2.8	12
34	Cytotoxic activity of broussonchalcone against colon and liver cancer cells by promoting destruction complex-independent $\beta$ -catenin degradation. <i>Food and Chemical Toxicology</i> , 2019, 131, 110550.	3.6	12
35	Simple and sensitive determination of menatetrenone and its epoxide metabolite in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 1178-1182.	2.8	11
36	Quantitative determination of daumone in rat plasma by liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 114-117.	2.8	11

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37	Simultaneous determination of 7-O-succinyl macrolactin A and its metabolite macrolactin A in rat plasma using liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 85-89.	2.8	11
38	HPLC-MS/MS analysis of ilimaquinone and its application in a pharmacokinetic study in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 291-294.	2.8	11
39	SG-SP1 Suppresses Mast Cell-Mediated Allergic Inflammation via Inhibition of Fc $\mu$ RI Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 50.	4.8	10
40	Differences between Drug-Induced and Contrast Media-Induced Adverse Reactions Based on Spontaneously Reported Adverse Drug Reactions. <i>PLoS ONE</i> , 2015, 10, e0142418.	2.5	9
41	<i>In Vitro</i> Anti-Inflammatory Activity of <i>Ilex cornuta</i> Extract Mediated by Inhibition of Extracellular Signal-Regulated Kinase Phosphorylation. <i>Journal of Medicinal Food</i> , 2017, 20, 981-988.	1.5	9
42	Characterization and pharmacokinetic study of itraconazole solid dispersions prepared by solvent-controlled precipitation and spray-dry methods. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 1707-1715.	2.4	9
43	A mechanism-based pharmacokinetic model of fenofibrate for explaining increased drug absorption after food consumption. <i>BMC Pharmacology &amp; Toxicology</i> , 2018, 19, 4.	2.4	9
44	Kinetic analysis of saturable myocardial uptake of idarubicin in rat heart: effect of doxorubicin and hypothermia. <i>Pharmaceutical Research</i> , 2003, 20, 58-63.	3.5	8
45	Simple and Sensitive Determination of Nisoldipine in Plasma Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Sciences</i> , 2006, 22, 1597-1599.	1.6	7
46	Determination of a novel low-voltage-activated calcium channel blocker (HYP-10) in rat plasma by liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 568-571.	2.8	7
47	HPLC-MS/MS analysis of mesupron and its application to a pharmacokinetic study in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 39-42.	2.8	7
48	Caffeine enhances myocardial uptake of idarubicin but reverses its negative inotropic effect. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 367, 151-155.	3.0	6
49	Quantitative determination of sulfoxazole and its three N-acetylated metabolites using HPLC-MS/MS, and the saturable pharmacokinetics of sulfoxazole in mice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 332-338.	2.8	6
50	Is gender still a predisposing factor in contrast-media associated adverse drug reactions? A systematic review and meta-analysis of randomized trials and observational studies. <i>European Journal of Radiology</i> , 2017, 89, 81-89.	2.6	6
51	Estimation of an Appropriate Human Dose of Boesenbergia pandurata Extracts Based on Allometric Scaling Data of Panduratin A in Mice, Rats, and Dogs. <i>Journal of Medicinal Food</i> , 2020, 23, 453-458.	1.5	6
52	Determination of Talniflumate and Niflumic Acid in Human Plasma by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Sciences</i> , 2009, 25, 571-574.	1.6	5
53	Quantitative determination of aceclofenac and its three major metabolites in rat plasma by HPLC-MS/MS. <i>Journal of Separation Science</i> , 2012, 35, 2219-2222.	2.5	5
54	Quantitative determination of uridine in rabbit plasma and urine by liquid chromatography coupled to a tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2012, 26, 541-544.	1.7	5

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55	DOSAGE AND DURATION OF ETANERCEPT THERAPY FOR ANKYLOSING SPONDYLITIS: A META-ANALYSIS. <i>International Journal of Technology Assessment in Health Care</i> , 2017, 33, 69-75.	0.5	5
56	Quantitative Determination of Octylonium in Human Plasma by LC-MS. <i>Chromatographia</i> , 2007, 66, 257-260.	1.3	4
57	Determination of daumone in mouse plasma by HPLC/MS-MS. <i>Biomedical Chromatography</i> , 2012, 26, 152-155.	1.7	4
58	Stereo-Selective Pharmacokinetics of Ilimaquinone Epimers Extracted from a Marine Sponge in Rats. <i>Marine Drugs</i> , 2019, 17, 171.	4.6	4
59	Quantitative determination of bilobetin in rat plasma by HPLC-MS/MS and its application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2020, 34, e4784.	1.7	4
60	Ilimaquinone inhibits neovascular age-related macular degeneration through modulation of Wnt/ $\beta$ -catenin and p53 pathways. <i>Pharmacological Research</i> , 2020, 161, 105146.	7.1	4
61	Characterization of CGK012 in rat plasma by high performance liquid chromatography and mass spectrometry (HPLC-MS/MS): Application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113458.	2.8	4
62	Pharmacokinetics of Shikimic Acid Following Intragastric and Intravenous Administrations in Rats. <i>Pharmaceutics</i> , 2020, 12, 824.	4.5	4
63	Protein microbeadification to achieve highly concentrated protein formulation with reversible properties and in vivo pharmacokinetics after reconstitution. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 935-948.	7.5	4
64	A sensitive analytical method for the determination of SG-SP1 in rat plasma by HPLC-MS/MS and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 202, 114151.	2.8	4
65	Anti-inflammatory role of <i>Prunus persica</i> L. Batsch methanol extract on lipopolysaccharide-stimulated glial cells. <i>Molecular Medicine Reports</i> , 2020, 21, 2030-2040.	2.4	4
66	Hepatotoxicity and Immunotoxicity of 1-Bromohexane and Its Glutathione Conjugation in Female BALB/c Mice. <i>Journal of Health Science</i> , 2010, 56, 434-441.	0.9	3
67	Simultaneous determination of zolazepam and tiletamine in dog plasma by liquid chromatography coupled to a tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2012, 26, 1133-1136.	1.7	3
68	Quantitative determination of a synthetic amide derivative of gallic acid, SG-HQ2, using liquid chromatography tandem mass spectrometry, and its pharmacokinetics in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 103-106.	2.8	3
69	Determination of panduratin A in rat plasma by HPLC-MS/MS and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 151-154.	2.8	3
70	T-Cell Differentiation to T Helper 9 Phenotype is Elevated by Extremely Low-Frequency Electromagnetic Fields Via Induction of IL-2 Signaling. <i>Bioelectromagnetics</i> , 2019, 40, 588-601.	1.6	3
71	Analysis of Trends in Regulatory Science and Regulatory Science Experts Training Projects: US, Japan, Singapore, and Korea. <i>Korean Journal of Clinical Pharmacy</i> , 2021, 31, 257-267.	0.3	3
72	Modeling of aceclofenac metabolism to major metabolites in healthy volunteers. <i>Drug Metabolism and Pharmacokinetics</i> , 2016, 31, 458-463.	2.2	2

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73	Application of an Inter-Species Extrapolation Method for the Prediction of Drug Interactions between Propolis and Duloxetine in Humans. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1862.	4.1	2
74	Quantitative determination of ICG-001 in rat plasma using HPLC-MS/MS: A pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 219, 114949.	2.8	2
75	Contribution of pH to systemic exposure of niflumic acid following oral administration of talniflumate. <i>European Journal of Clinical Pharmacology</i> , 2011, 67, 425-428.	1.9	1
76	Simultaneous determination of 7-O-succinyl macrolactin A and its active major metabolite, macrolactin A in dog plasma using high-performance liquid chromatography with UV detection. <i>Journal of Separation Science</i> , 2014, 37, 2833-2836.	2.5	1
77	Simultaneous determination of N 1 -acetyl sulfisoxazole and its metabolites, and relative bioavailability compare to sulfisoxazole in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 117-120.	2.8	1
78	European Regulatory Science and Regulatory Science Expert Training Project. <i>Korean Journal of Clinical Pharmacy</i> , 2021, 31, 171-179.	0.3	1
79	Absolute oral and subcutaneous bioavailability of ortho-topolin riboside in mice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114363.	2.8	1
80	Effect of terpinyl acetate on the percutaneous absorption of caffeine in rats. <i>Experimental Dermatology</i> , 2017, 26, 439-441.	2.9	0
81	Prediction of fluoxetine and norfluoxetine pharmacokinetic profiles using physiologically based pharmacokinetic modeling. <i>Journal of Clinical Pharmacology</i> , 2021, 61, 1505-1513.	2.0	0
82	A Study on Current Status of Clinical Trial Pharmacy in Domestic Clinical Trial Institution. <i>Journal of the Korean Society for Clinical Pharmacology and Therapeutics</i> , 2013, 21, 71.	0.1	0
83	Population Pharmacokinetics of Cyclosporine after Hematopoietic Stem Cell Transplantation in Pediatric Patients. <i>Korean Journal of Clinical Pharmacy</i> , 2018, 28, 24-29.	0.3	0
84	Anticancer activity and metabolic profile alterations by ortho-topolin riboside in in vitro and in vivo models of non-small cell lung cancer. <i>FASEB Journal</i> , 2022, 36, e22127.	0.5	0