

Ikushiro Shinichi

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

640
citations

567281

15
h-index

677142

22
g-index

52
all docs

52
docs citations

52
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroconjugates of quercetin with 4-sulfate selectively accumulate in rat plasma due to limited urinary excretion. <i>Food and Function</i> , 2022, 13, 1459-1471.	4.6	7
2	Comparison of the stability of CYP105A1 and its variants engineered for production of active forms of vitamin D. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 444-454.	1.3	3
3	Metabolism of non-steroidal anti-inflammatory drugs (NSAIDs) by <i>Streptomyces griseolus</i> CYP105A1 and its variants. <i>Drug Metabolism and Pharmacokinetics</i> , 2022, 45, 100455.	2.2	1
4	Isoliquiritigenin Attenuates Adipose Tissue Inflammation and Metabolic Syndrome by Modifying Gut Bacteria Composition in Mice. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101119.	3.3	13
5	Genetic variants of UDP-glucuronosyltransferases 1A1, 1A6, and 1A9 in cynomolgus and rhesus macaques. <i>Xenobiotica</i> , 2021, 51, 115-121.	1.1	1
6	Elucidation of metabolic pathways of 25-hydroxyvitamin D3 mediated by CYP24A1 and CYP3A using Cyp24a1 knockout rats generated by CRISPR/Cas9 system. <i>Journal of Biological Chemistry</i> , 2021, 296, 100668.	3.4	16
7	Pharmacokinetics and metabolism of cinnamic acid derivatives and flavonoids after oral administration of Brazilian green propolis in humans. <i>Food and Function</i> , 2021, 12, 2520-2530.	4.6	6
8	Epicatechin gallate and epigallocatechin gallate are potent inhibitors of human arylacetamide deacetylase. <i>Drug Metabolism and Pharmacokinetics</i> , 2021, 39, 100397.	2.2	4
9	Food phytochemicals, epigallocatechin gallate and myricetin, covalently bind to the active site of the coronavirus main protease in vitro. <i>Advances in Redox Research</i> , 2021, 3, 100021.	2.1	12
10	Development of In Vitro and In Vivo Evaluation Systems for Vitamin D Derivatives and Their Application to Drug Discovery. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11839.	4.1	2
11	Molecular characterization of functional UDP-glucuronosyltransferases 1A and 2B in common marmosets. <i>Biochemical Pharmacology</i> , 2020, 172, 113748.	4.4	9
12	Identification and in silico prediction of metabolites of tebufenozide derivatives by major human cytochrome P450 isoforms. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115429.	3.0	0
13	Whole-cell dependent biosynthesis of N- and S-oxides using human flavin containing monooxygenases expressing budding yeast. <i>Drug Metabolism and Pharmacokinetics</i> , 2020, 35, 274-280.	2.2	1
14	Generation of novel genetically modified rats to reveal the molecular mechanisms of vitamin D actions. <i>Scientific Reports</i> , 2020, 10, 5677.	3.3	14
15	Two Different UGT1A1 Mutations causing Crigler-Najjar Syndrome types I and II in an Iranian Family. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2020, 24, 523-526.	0.9	4
16	Limited expression of functional cytochrome p450 2c subtypes in the liver and small intestine of domestic cats. <i>Xenobiotica</i> , 2019, 49, 627-635.	1.1	13
17	Generation of 1,25-dihydroxyvitamin D3 in Cyp27b1 knockout mice by treatment with 25-hydroxyvitamin D3 rescued their rachitic phenotypes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 185, 71-79.	2.5	19
18	Kanechlor 500-mediated changes in serum and hepatic thyroxine levels primarily occur in a transthyretin-unrelated manner. <i>Journal of Applied Toxicology</i> , 2019, 39, 1701-1709.	2.8	1

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19	Dynamics of the Cellular Metabolism of Leptosperin Found in Manuka Honey. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10853-10862.	5.2	5
20	Comprehensive Analyses of Quercetin Conjugates by LC/MS/MS Revealed That Isorhamnetin-7-O-glucuronide-4-sulfate Is a Major Metabolite in Plasma of Rats Fed with Quercetin Glucosides. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4240-4249.	5.2	21
21	Functional and molecular characterization of UDP-glucuronosyltransferase 2 family in cynomolgus macaques. <i>Biochemical Pharmacology</i> , 2019, 163, 335-344.	4.4	12
22	Sulfate conjugates are the major metabolites in rats administered with sesamin. <i>Drug Metabolism and Pharmacokinetics</i> , 2019, 34, 134-140.	2.2	3
23	Metabolism of 2β -[2-(tetrazol-2-yl)ethyl]- 1β ,25-dihydroxyvitamin D ₃ by CYP24A1 and biological activity of its 24R-hydroxylated metabolite. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 333-339.	2.5	5
24	Lymphatic metabolites of quercetin after intestinal administration of quercetin-3-glucoside and its aglycone in rats. <i>Archives of Biochemistry and Biophysics</i> , 2018, 645, 126-136.	3.0	25
25	Protein engineering of CYP105s for their industrial uses. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 23-31.	2.3	16
26	Development of a highly sensitive in vitro system to detect and discriminate between vitamin D receptor agonists and antagonists based on split-luciferase technique. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 55-59.	2.5	14
27	Whole-cell-dependent biosynthesis of sulfo-conjugate using human sulfotransferase expressing budding yeast. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 723-732.	3.6	19
28	Novel biosensor using split-luciferase for detecting vitamin D receptor ligands based on the interaction between vitamin D receptor and coactivator. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 460-465.	2.1	4
29	Simultaneous collection of the portal and superior vena cava blood in conscious rats defined that intestinal epithelium is the major site of glucuronidation, but not sulfation and methylation, of quercetin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 2118-2129.	1.3	12
30	Microbial production of novel sulphated alkaloids for drug discovery. <i>Scientific Reports</i> , 2018, 8, 7980.	3.3	44
31	Molecular and functional characterization of UDP-glucuronosyltransferase 1A in cynomolgus macaques. <i>Biochemical Pharmacology</i> , 2018, 155, 172-181.	4.4	10
32	Novel split luciferase-based biosensors for evaluation of vitamin D receptor ligands and their application to estimate CYP27B1 activity in living cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 183, 221-227.	2.5	2
33	In vivo absorption and metabolism of leptosperin and methyl syringate, abundantly present in manuka honey. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700122.	3.3	7
34	Production of an active form of vitamin D ₂ by genetically engineered CYP105A1. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 336-341.	2.1	13
35	S-Equal Activates cAMP Signaling at the Plasma Membrane of INS-1 Pancreatic β -Cells and Protects against Streptozotocin-Induced Hyperglycemia by Increasing β -Cell Function in Male Mice. <i>Journal of Nutrition</i> , 2017, 147, 1631-1639.	2.9	26
36	Novel screening system for high-affinity ligand of hereditary vitamin D-resistant rickets-associated vitamin D receptor mutant R274L using bioluminescent sensor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 167, 61-66.	2.5	11

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37	Expression of UGT1A subfamily in rat brain. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 314-319.	1.9	7
38	Sequential hydroxylation of vitamin D 2 by a genetically engineered CYP105A1. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 853-858.	2.1	11
39	Biosynthesis of Drug Glucuronide Metabolites in the Budding Yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Pharmaceutics</i> , 2016, 13, 2274-2282.	4.6	23
40	Activation of transient receptor potential ankyrin 1 by quercetin and its analogs. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 949-954.	1.3	15
41	Human hepatic metabolism of the anti-osteoporosis drug eldecacitol involves sterol C4-methyl oxidase. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00120.	2.4	6
42	Influence of sesamin on CYP2C-mediated diclofenac metabolism: in vitro and in vivo analysis. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00174.	2.4	13
43	Identification and in silico prediction of metabolites of the model compound, tebufenozide by human CYP3A4 and CYP2C19. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6594-6601.	3.0	2
44	Development of Novel Bioluminescent Sensor to Detect and Discriminate between Vitamin D Receptor Agonists and Antagonists in Living Cells. <i>Bioconjugate Chemistry</i> , 2015, 26, 2038-2045.	3.6	11
45	Mammalian Cytochrome P450-Dependent Metabolism of Polychlorinated Dibenzo-p-dioxins and Coplanar Polychlorinated Biphenyls. <i>International Journal of Molecular Sciences</i> , 2014, 15, 14044-14057.	4.1	37
46	Anti-proliferative activity of 25-hydroxyvitamin D3 in human prostate cells. <i>Molecular and Cellular Endocrinology</i> , 2014, 382, 960-970.	3.2	42
47	Human cytochrome P450-dependent differential metabolism among three 21-substituted-1,25-dihydroxyvitamin D3 analogs. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 133, 84-92.	2.5	23
48	Metabolism of the c-Fos/Activator Protein-1 Inhibitor T-5224 by Multiple Human UDP-Glucuronosyltransferase Isoforms. <i>Drug Metabolism and Disposition</i> , 2011, 39, 803-813.	3.3	21
49	Takashi Iyanagi: UGT1 gene complex: from Gunn rat to human. <i>Drug Metabolism Reviews</i> , 2010, 42, 14-22.	3.6	4
50	Kinetic Studies of 25-Hydroxy-19-nor-vitamin D3 and 1,25-Dihydroxy-19-nor-vitamin D3 Hydroxylation by CYP27B1 and CYP24A1. <i>Drug Metabolism and Disposition</i> , 2007, 35, 1482-1488.	3.3	16
51	Monospecific Antipeptide Antibodies Against Human Hepatic UDP-Glucuronosyltransferase 1A Subfamily (UGT1A) Isoforms. <i>Drug Metabolism and Pharmacokinetics</i> , 2006, 21, 70-74.	2.2	25