Ikushiro Shinichi

List of Publications by Year
in descending order

51	640	567281 15	677142 22
papers	citations	h-index	g-index

52	52	52	784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microbial production of novel sulphated alkaloids for drug discovery. Scientific Reports, 2018, 8, 7980.	3.3	44
2	Anti-proliferative activity of 25-hydroxyvitamin D3 in human prostate cells. Molecular and Cellular Endocrinology, 2014, 382, 960-970.	3.2	42
3	Mammalian Cytochrome P450-Dependent Metabolism of Polychlorinated Dibenzo-p-dioxins and Coplanar Polychlorinated Biphenyls. International Journal of Molecular Sciences, 2014, 15, 14044-14057.	4.1	37
4	S-Equol Activates cAMP Signaling at the Plasma Membrane of INS-1 Pancreatic Î²-Cells and Protects against Streptozotocin-Induced Hyperglycemia by Increasing Î²-Cell Function in Male Mice. Journal of Nutrition, 2017, 147, 1631-1639.	2.9	26
5	Monospecific Antipeptide Antibodies Against Human Hepatic UDP-Glucuronosyltransferase 1A Subfamily (UGT1A) Isoforms. Drug Metabolism and Pharmacokinetics, 2006, 21, 70-74.	2.2	25
6	Lymphatic metabolites of quercetin after intestinal administration of quercetin-3-glucoside and its aglycone in rats. Archives of Biochemistry and Biophysics, 2018, 645, 126-136.	3.0	25
7	Human cytochrome P450-dependent differential metabolism among three 2Î±-substituted-1Î±,25-dihydroxyvitamin D3 analogs. Journal of Steroid Biochemistry and Molecular Biology, 2013, 133, 84-92.	2.5	23
8	Biosynthesis of Drug Glucuronide Metabolites in the Budding Yeast Saccharomyces cerevisiae. Molecular Pharmaceutics, 2016, 13, 2274-2282.	4.6	23
9	Metabolism of the c-Fos/Activator Protein-1 Inhibitor T-5224 by Multiple Human UDP-Glucuronosyltransferase Isoforms. Drug Metabolism and Disposition, 2011, 39, 803-813.	3.3	21
10	Comprehensive Analyses of Quercetin Conjugates by LC/MS/MS Revealed That Isorhamnetin-7-O-glucuronide-4â€²-O-sulfate Is a Major Metabolite in Plasma of Rats Fed with Quercetin Glucosides. Journal of Agricultural and Food Chemistry, 2019, 67, 4240-4249.	5.2	21
11	Whole-cell-dependent biosynthesis of sulfo-conjugate using human sulfotransferase expressing budding yeast. Applied Microbiology and Biotechnology, 2018, 102, 723-732.	3.6	19
12	Generation of 1,25-dihydroxyvitamin D3 in Cyp27b1 knockout mice by treatment with 25-hydroxyvitamin D3 rescued their rachitic phenotypes. Journal of Steroid Biochemistry and Molecular Biology, 2019, 185, 71-79.	2.5	19
13	Kinetic Studies of 25-Hydroxy-19-nor-vitamin D3 and 1Î±,25-Dihydroxy-19-nor-vitamin D3 Hydroxylation by CYP27B1 and CYP24A1. Drug Metabolism and Disposition, 2007, 35, 1482-1488.	3.3	16
14	Protein engineering of CYP105s for their industrial uses. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 23-31.	2.3	16
15	Elucidation of metabolic pathways of 25-hydroxyvitamin D3 mediated by CYP24A1 and CYP3A using Cyp24a1 knockout rats generated by CRISPR/Cas9 system. Journal of Biological Chemistry, 2021, 296, 100668.	3.4	16
16	Activation of transient receptor potential ankyrin 1 by quercetin and its analogs. Bioscience, Biotechnology and Biochemistry, 2016, 80, 949-954.	1.3	15
17	Development of a highly sensitive in vitro system to detect and discriminate between vitamin D receptor agonists and antagonists based on split-luciferase technique. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 55-59.	2.5	14
18	Generation of novel genetically modified rats to reveal the molecular mechanisms of vitamin D actions. Scientific Reports, 2020, 10, 5677.	3.3	14

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19	Influence of sesamin on <scp>CYP</scp>2Câ€mediated diclofenac metabolism: inÂvitro and inÂvivo analysis. Pharmacology Research and Perspectives, 2015, 3, e00174.	2.4	13
20	Production of an active form of vitamin D 2 by genetically engineered CYP105A1. Biochemical and Biophysical Research Communications, 2017, 486, 336-341.	2.1	13
21	Limited expression of functional cytochrome p450 2c subtypes in the liver and small intestine of domestic cats. Xenobiotica, 2019, 49, 627-635.	1.1	13
22	Isoliquiritigenin Attenuates Adipose Tissue Inflammation and Metabolic Syndrome by Modifying Gut Bacteria Composition in Mice. Molecular Nutrition and Food Research, 2022, 66, e2101119.	3.3	13
23	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. Bioscience, Biotechnology and Biochemistry, 2018, 82, 2118-2129.	1.3	12
24	Functional and molecular characterization of UDP-glucuronosyltransferase 2 family in cynomolgus macaques. Biochemical Pharmacology, 2019, 163, 335-344.	4.4	12
25	Food phytochemicals, epigallocatechin gallate and myricetin, covalently bind to the active site of the coronavirus main protease in vitro. Advances in Redox Research, 2021, 3, 100021.	2.1	12
26	Development of Novel Bioluminescent Sensor to Detect and Discriminate between Vitamin D Receptor Agonists and Antagonists in Living Cells. Bioconjugate Chemistry, 2015, 26, 2038-2045.	3.6	11
27	Sequential hydroxylation of vitamin D 2 by a genetically engineered CYP105A1. Biochemical and Biophysical Research Communications, 2016, 473, 853-858.	2.1	11
28	Novel screening system for high-affinity ligand of heredity vitamin D-resistant rickets-associated vitamin D receptor mutant R274L using bioluminescent sensor. Journal of Steroid Biochemistry and Molecular Biology, 2017, 167, 61-66.	2.5	11
29	Molecular and functional characterization of UDP-glucuronosyltransferase 1A in cynomolgus macaques. Biochemical Pharmacology, 2018, 155, 172-181.	4.4	10
30	Molecular characterization of functional UDP-glucuronosyltransferases 1A and 2B in common marmosets. Biochemical Pharmacology, 2020, 172, 113748.	4.4	9
31	Expression of UGT1A subfamily in rat brain. Biopharmaceutics and Drug Disposition, 2016, 37, 314-319.	1.9	7
32	In vivo absorption and metabolism of leptosperin and methyl syringate, abundantly present in manuka honey. Molecular Nutrition and Food Research, 2017, 61, 1700122.	3.3	7
33	Heteroconjugates of quercetin with 4â€²-O-sulfate selectively accumulate in rat plasma due to limited urinary excretion. Food and Function, 2022, 13, 1459-1471.	4.6	7
34	Human hepatic metabolism of the antiâ€osteoporosis drug eldecalcitol involves sterol C4â€methyl oxidase. Pharmacology Research and Perspectives, 2015, 3, e00120.	2.4	6
35	Pharmacokinetics and metabolism of cinnamic acid derivatives and flavonoids after oral administration of Brazilian green propolis in humans. Food and Function, 2021, 12, 2520-2530.	4.6	6
36	Metabolism of 2Î±-[2-(tetrazol-2-yl)ethyl]-1Î±,25-dihydroxyvitamin D3 by CYP24A1 and biological activity of its 24R-hydroxylated metabolite. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 333-339.	2.5	5

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37	Dynamics of the Cellular Metabolism of Leptosperin Found in Manuka Honey. Journal of Agricultural and Food Chemistry, 2019, 67, 10853-10862.	5.2	5
38	Takashi Iyanagi: UGT1 gene complex: from Gunn rat to human. Drug Metabolism Reviews, 2010, 42, 14-22.	3.6	4
39	Novel biosensor using split-luciferase for detecting vitamin D receptor ligands based on the interaction between vitamin D receptor and coactivator. Biochemical and Biophysical Research Communications, 2018, 505, 460-465.	2.1	4
40	Epicatechin gallate and epigallocatechin gallate are potent inhibitors of human arylacetamide deacetylase. Drug Metabolism and Pharmacokinetics, 2021, 39, 100397.	2.2	4
41	Two Different UGT1A1 Mutations causing Criglerâ€“Najjar Syndrome types I and II in an Iranian Family. Journal of Gastrointestinal and Liver Diseases, 2020, 24, 523-526.	0.9	4
42	Sulfate conjugates are the major metabolites in rats administrated with sesamin. Drug Metabolism and Pharmacokinetics, 2019, 34, 134-140.	2.2	3
43	Comparison of the stability of CYP105A1 and its variants engineered for production of active forms of vitamin D. Bioscience, Biotechnology and Biochemistry, 2022, 86, 444-454.	1.3	3
44	Identification and in silico prediction of metabolites of the model compound, tebufenozide by human CYP3A4 and CYP2C19. Bioorganic and Medicinal Chemistry, 2015, 23, 6594-6601.	3.0	2
45	Novel split luciferase-based biosensors for evaluation of vitamin D receptor ligands and their application to estimate CYP27B1 activity in living cells. Journal of Steroid Biochemistry and Molecular Biology, 2018, 183, 221-227.	2.5	2
46	Development of In Vitro and In Vivo Evaluation Systems for Vitamin D Derivatives and Their Application to Drug Discovery. International Journal of Molecular Sciences, 2021, 22, 11839.	4.1	2
47	Kanechlor 500â€mediated changes in serum and hepatic thyroxine levels primarily occur in a transthyretinâ€unrelated manner. Journal of Applied Toxicology, 2019, 39, 1701-1709.	2.8	1
48	Whole-cell dependent biosynthesis of N- and S-oxides using human flavin containing monooxygenases expressing budding yeast. Drug Metabolism and Pharmacokinetics, 2020, 35, 274-280.	2.2	1
49	Genetic variants of UDP-glucuronosyltransferases 1A1, 1A6, and 1A9 in cynomolgus and rhesus macaques. Xenobiotica, 2021, 51, 115-121.	1.1	1
50	Metabolism of non-steroidal anti-inflammatory drugs (NSAIDs) by Streptomyces griseolus CYP105A1 and its variants. Drug Metabolism and Pharmacokinetics, 2022, 45, 100455.	2.2	1
51	Identification and in silico prediction of metabolites of tebufenozide derivatives by major human cytochrome P450 isoforms. Bioorganic and Medicinal Chemistry, 2020, 28, 115429.	3.0	0