

Damjana Rozman

List of Publications by Year in descending order

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102
papers

3,755
citations

117453

34
h-index

149479

56
g-index

106
all docs

106
docs citations

106
times ranked

5599
citing authors

#	ARTICLE	IF	CITATIONS
1	Matching mouse models to specific human liver disease states by comparative functional genomics of mouse and human datasets. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2022, 1865, 194785.	0.9	1
2	Detecting gene-gene interactions from GWAS using diffusion kernel principal components. <i>BMC Bioinformatics</i> , 2022, 23, 57.	1.2	3
3	Integration of omics data to generate and analyse COVID-19 specific genome-scale metabolic models. <i>Computers in Biology and Medicine</i> , 2022, 145, 105428.	3.9	5
4	The role of bile acids in carcinogenesis. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 243.	2.4	73
5	Cholesterol, lipoproteins, and COVID-19: Basic concepts and clinical applications. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158849.	1.2	88
6	Pyridylethanol(phenylethyl)amines are non-azole, highly selective <i>Candida albicans</i> sterol 14 α -demethylase inhibitors. <i>Bioorganic Chemistry</i> , 2021, 106, 104472.	2.0	4
7	Guided extraction of genome-scale metabolic models for the integration and analysis of omics data. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3521-3530.	1.9	11
8	Common Transcriptional Program of Liver Fibrosis in Mouse Genetic Models and Humans. <i>International Journal of Molecular Sciences</i> , 2021, 22, 832.	1.8	4
9	An Early Stage Researcher's Primer on Systems Medicine Terminology. <i>Network and Systems Medicine</i> , 2021, 4, 2-50.	2.7	9
10	<i>Escherichia coli</i> Affects Expression of Circadian Clock Genes in Human Hepatoma Cells. <i>Microorganisms</i> , 2021, 9, 869.	1.6	8
11	Sex-dependent dynamics of metabolism in primary mouse hepatocytes. <i>Archives of Toxicology</i> , 2021, 95, 3001-3013.	1.9	9
12	Identification of Variants Associated With Rare Hematological Disorder Erythrocytosis Using Targeted Next-Generation Sequencing Analysis. <i>Frontiers in Genetics</i> , 2021, 12, 689868.	1.1	5
13	Identification of Novel RNA Binding Proteins Influencing Circular RNA Expression in Hepatocellular Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7477.	1.8	5
14	From Whole Liver to Single Cell Transcriptomics in Sex-Dependent Liver Pathologies. , 2021, , 234-243.		0
15	Chronic Disruption of the Late Cholesterol Synthesis Leads to Female-Prevalent Liver Cancer. <i>Cancers</i> , 2020, 12, 3302.	1.7	8
16	Network and Systems Medicine: Position Paper of the European Collaboration on Science and Technology Action on Open Multiscale Systems Medicine. <i>Network and Systems Medicine</i> , 2020, 3, 67-90.	2.7	18
17	Simplified LC-MS Method for Analysis of Sterols in Biological Samples. <i>Molecules</i> , 2020, 25, 4116.	1.7	12
18	Regulation of cytochrome P450 enzyme activity and expression by nitric oxide in the context of inflammatory disease. <i>Drug Metabolism Reviews</i> , 2020, 52, 455-471.	1.5	19

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19	Novel insights into biological roles of inducible cAMP early repressor ICER. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 396-401.	1.0	3
20	Recent Advances in Systems and Network Medicine: Meeting Report from the First International Conference in Systems and Network Medicine. <i>Systems Medicine (New Rochelle, N Y)</i> , 2020, 3, 22-35.	1.4	7
21	Sterols from the Post-Lanosterol Part of Cholesterol Synthesis: Novel Signaling Players. , 2020, , 1-22.		3
22	Oxysterols and Gastrointestinal Cancers Around the Clock. <i>Frontiers in Endocrinology</i> , 2019, 10, 483.	1.5	23
23	Tick-tock hedgehog-mutual crosstalk with liver circadian clock promotes liver steatosis. <i>Journal of Hepatology</i> , 2019, 70, 1192-1202.	1.8	18
24	The Association of Polymorphisms in Circadian Clock and Lipid Metabolism Genes With 2nd Trimester Lipid Levels and Preterm Birth. <i>Frontiers in Genetics</i> , 2019, 10, 540.	1.1	11
25	Community effort endorsing multiscale modelling, multiscale data science and multiscale computing for systems medicine. <i>Briefings in Bioinformatics</i> , 2019, 20, 1057-1062.	3.2	15
26	Personalized therapy when tackling nonalcoholic fatty liver disease: a focus on sex, genes, and drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018, 14, 831-841.	1.5	20
27	LiverSex Computational Model: Sexual Aspects in Hepatic Metabolism and Abnormalities. <i>Frontiers in Physiology</i> , 2018, 9, 360.	1.3	49
28	Meta-Analysis and Experimental Validation Identified <i>FREM2</i> and <i>SPRY1</i> as New Glioblastoma Marker Candidates. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1369.	1.8	11
29	Disrupting Hepatocyte <i>Cyp51</i> from Cholesterol Synthesis Leads to Progressive Liver Injury in the Developing Mouse and Decreases RORC Signalling. <i>Scientific Reports</i> , 2017, 7, 40775.	1.6	26
30	Differential lactate and cholesterol synthetic activities in XY and XX Sertoli cells. <i>Scientific Reports</i> , 2017, 7, 41912.	1.6	4
31	Large-scale computational models of liver metabolism: How far from the clinics?. <i>Hepatology</i> , 2017, 66, 1323-1334.	3.6	21
32	Rosuvastatin and Atorvastatin Are Ligands of the Human Constitutive Androstane Receptor/Retinoid X Receptor Complex. <i>Drug Metabolism and Disposition</i> , 2017, 45, 974-976.	1.7	11
33	Computational modelling of genome-scale metabolic networks and its application to CHO cell cultures. <i>Computers in Biology and Medicine</i> , 2017, 88, 150-160.	3.9	24
34	Evaluation of Selected <i>CYP51A1</i> Polymorphisms in View of Interactions with Substrate and Redox Partner. <i>Frontiers in Pharmacology</i> , 2017, 8, 417.	1.6	7
35	Pharmacogenomic and personalized approaches to tackle nonalcoholic fatty liver disease. <i>Pharmacogenomics</i> , 2016, 17, 1273-1288.	0.6	13
36	Cytochrome P450 metabolism of the post-lanosterol intermediates explains enigmas of cholesterol synthesis. <i>Scientific Reports</i> , 2016, 6, 28462.	1.6	31

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37	Mouse genotypes drive the liver and adrenal gland clocks. <i>Scientific Reports</i> , 2016, 6, 31955.	1.6	4
38	Training in Systems Approaches for the Next Generation of Life Scientists and Medical Doctors. <i>Methods in Molecular Biology</i> , 2016, 1386, 73-86.	0.4	6
39	Targeting Signalling Pathways in Hepatocellular carcinoma. <i>Current Pharmaceutical Design</i> , 2016, 22, 1-1.	0.9	21
40	Effects of Flavonoids from Food and Dietary Supplements on Glial and Glioblastoma Multiforme Cells. <i>Molecules</i> , 2015, 20, 19406-19432.	1.7	41
41	Identification of Natural ROR β Ligands that Regulate the Development of Lymphoid Cells. <i>Cell Metabolism</i> , 2015, 21, 286-298.	7.2	193
42	Lessons from Hepatocyte-Specific Cyp51 Knockout Mice: Impaired Cholesterol Synthesis Leads to Oval Cell-Driven Liver Injury. <i>Scientific Reports</i> , 2015, 5, 8777.	1.6	30
43	SteatoNet: The First Integrated Human Metabolic Model with Multi-layered Regulation to Investigate Liver-Associated Pathologies. <i>PLoS Computational Biology</i> , 2014, 10, e1003993.	1.5	17
44	From Nonalcoholic Fatty Liver Disease to Hepatocellular Carcinoma: A Systems Understanding. <i>Digestive Diseases and Sciences</i> , 2014, 59, 238-241.	1.1	21
45	Timing of circadian genes in mammalian tissues. <i>Scientific Reports</i> , 2014, 4, 5782.	1.6	97
46	Hidden Disease Susceptibility and Sexual Dimorphism in the Heterozygous Knockout of Cyp51 from Cholesterol Synthesis. <i>PLoS ONE</i> , 2014, 9, e112787.	1.1	9
47	Genomic aspects of NAFLD pathogenesis. <i>Genomics</i> , 2013, 102, 84-95.	1.3	80
48	Circadian events in human diseases and in cytochrome P450-related drug metabolism and therapy. <i>IUBMB Life</i> , 2013, 65, 487-496.	1.5	35
49	An algorithm for rapid computational construction of metabolic networks: A cholesterol biosynthesis example. <i>Computers in Biology and Medicine</i> , 2013, 43, 471-480.	3.9	11
50	Sterols in spermatogenesis and sperm maturation. <i>Journal of Lipid Research</i> , 2013, 54, 20-33.	2.0	92
51	The Interplay between Circadian System, Cholesterol Synthesis, and Steroidogenesis Affects Various Aspects of Female Reproduction. <i>Frontiers in Endocrinology</i> , 2013, 4, 111.	1.5	30
52	Inducible cAMP Early Repressor Regulates the Period 1 Gene of the Hepatic and Adrenal Clocks. <i>Journal of Biological Chemistry</i> , 2013, 288, 10318-10327.	1.6	10
53	Male germ cell-specific knockout of cholesterologenic cytochrome P450 lanosterol 14 α -demethylase (Cyp51). <i>Journal of Lipid Research</i> , 2013, 54, 1653-1661.	2.0	19
54	Molecular Interactions between NAFLD and Xenobiotic Metabolism. <i>Frontiers in Genetics</i> , 2013, 4, 2.	1.1	55

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55	Steroidal Triterpenes of Cholesterol Synthesis. <i>Molecules</i> , 2013, 18, 4002-4017.	1.7	49
56	Sex Differences in the Hepatic Cholesterol Sensing Mechanisms in Mice. <i>Molecules</i> , 2013, 18, 11067-11085.	1.7	37
57	Polymorphisms of CYP51A1 from Cholesterol Synthesis: Associations with Birth Weight and Maternal Lipid Levels and Impact on CYP51 Protein Structure. <i>PLoS ONE</i> , 2013, 8, e82554.	1.1	24
58	Low nucleotide variability of CYP51A1 in humans: meta-analysis of cholesterol and bile acid synthesis and xenobiotic metabolism pathways. <i>Acta Chimica Slovenica</i> , 2013, 60, 875-83.	0.2	4
59	Circadian Regulation of the Hepatic Endobiotic and Xenobiotic Detoxification Pathways: The Time Matters. <i>Chemical Research in Toxicology</i> , 2012, 25, 811-824.	1.7	79
60	Circadian expression of steroidogenic cytochromes P450 in the mouse adrenal gland: involvement of cAMP-responsive element modulator in epigenetic regulation of <i>Cyp17a1</i> . <i>FEBS Journal</i> , 2012, 279, 1584-1593.	2.2	26
61	Cytochrome P450s in the synthesis of cholesterol and bile acids – from mouse models to human diseases. <i>FEBS Journal</i> , 2012, 279, 1516-1533.	2.2	165
62	Novel Insights into the Downstream Pathways and Targets Controlled by Transcription Factors CREM in the Testis. <i>PLoS ONE</i> , 2012, 7, e31798.	1.1	42
63	The Interplay of cis-Regulatory Elements Rules Circadian Rhythms in Mouse Liver. <i>PLoS ONE</i> , 2012, 7, e46835.	1.1	68
64	Defects in cholesterol synthesis genes in mouse and in humans: lessons for drug development and safer treatments. <i>Drug Metabolism Reviews</i> , 2011, 43, 69-90.	1.5	62
65	Circadian rhythm of cholesterol synthesis in mouse liver: A statistical analysis of the post-squalene metabolites in wild-type and CreM-knock-out mice. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 635-641.	1.0	9
66	The human primary hepatocyte transcriptome reveals novel insights into atorvastatin and rosuvastatin action. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 741-750.	0.7	28
67	Interplay between cholesterol and drug metabolism. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 146-160.	1.1	58
68	Mouse Knockout of the Cholesterologenic Cytochrome P450 Lanosterol 14 α -Demethylase (Cyp51) Resembles Antley-Bixler Syndrome. <i>Journal of Biological Chemistry</i> , 2011, 286, 29086-29097.	1.6	83
69	Inhibition of Human Sterol 7 α -Reductase and Other Postlanosterol Enzymes by LK-980, a Novel Inhibitor of Cholesterol Synthesis. <i>Drug Metabolism and Disposition</i> , 2011, 39, 39-46.	1.7	11
70	Nonalcoholic Fatty Liver Disease: Focus on Lipoprotein and Lipid Deregulation. <i>Journal of Lipids</i> , 2011, 2011, 1-14.	1.9	164
71	Perspectives of the non-statin hypolipidemic agents. <i>Journal of Lipids</i> , 2010, 127, 19-40.		80
72	Acrolein consumption induces systemic dyslipidemia and lipoprotein modification. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 1-12.	1.3	74

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73	Determination of reference genes for circadian studies in different tissues and mouse strains. <i>BMC Molecular Biology</i> , 2010, 11, 60.	3.0	88
74	Adaptation of cholesterol synthesis to fasting and TNF- α : Profiling cholesterol intermediates in the liver, brain, and testis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 121, 619-625.	1.2	19
75	Drug Interaction Potential of 2-((3,4-Dichlorophenethyl)(propyl)amino)-1-(pyridin-3-yl)ethanol (LK-935), the Novel Nonstatin-Type Cholesterol-Lowering Agent. <i>Drug Metabolism and Disposition</i> , 2009, 37, 375-385.	1.7	21
76	Effect of CAR activation on selected metabolic pathways in normal and hyperlipidemic mouse livers. <i>BMC Genomics</i> , 2009, 10, 384.	1.2	49
77	Combined gas chromatographic/mass spectrometric analysis of cholesterol precursors and plant sterols in cultured cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2081-2086.	1.2	75
78	Novel cholesterol biosynthesis inhibitors targeting human lanosterol 14 α -demethylase (CYP51). <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 209-221.	1.4	40
79	Expression of microsomal lanosterol 14 α -demethylase (CYP51) in an engineered soluble monomeric form. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 855-859.	1.0	5
80	CREM modulates the circadian expression of CYP51, HMGCR and cholesterologenesis in the liver. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 206-210.	1.0	35
81	TNF- α interferes with lipid homeostasis and activates acute and proatherogenic processes. <i>Physiological Genomics</i> , 2007, 31, 216-227.	1.0	51
82	Mammalian cytochromes P450: Importance of tissue specificity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 458-466.	1.1	123
83	Cholesterogenic Lanosterol 14 α -Demethylase (CYP51) Is an Immediate Early Response Gene. <i>Endocrinology</i> , 2005, 146, 5321-5331.	1.4	28
84	Pre-cholesterol precursors in gametogenesis. <i>Molecular and Cellular Endocrinology</i> , 2005, 234, 47-56.	1.6	26
85	New Aspects on Lanosterol 14 α -Demethylase and Cytochrome P450 Evolution: Lanosterol/Cycloartenol Diversification and Lateral Transfer. <i>Journal of Molecular Evolution</i> , 2004, 59, 51-58.	0.8	45
86	Many facets of mammalian lanosterol 14 α -demethylase from the evolutionarily conserved cytochrome P450 family CYP51. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 159-171.	1.4	97
87	Lanosterol metabolism and sterol regulatory element binding protein (SREBP) expression in male germ cell maturation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 85, 429-438.	1.2	19
88	A cAMP-Responsive Element Binding Site Is Essential for Sterol Regulation of the Human Lanosterol 14 α -Demethylase Gene (CYP51). <i>Molecular Endocrinology</i> , 2002, 16, 1853-1863.	3.7	51
89	Tissue-specific transcriptional regulation of the cholesterol biosynthetic pathway leads to accumulation of testis meiosis-activating sterol (T-MAS). <i>Journal of Lipid Research</i> , 2002, 43, 82-9.	2.0	32
90	Localisation of lanosterol 14 α -demethylase in round and elongated spermatids of the mouse testis: an immunoelectron microscopic and stereological study. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 442, r167-r168.	1.3	7

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91	New steroid 5 α -reductase type I (SRD5A1) homologous sequences on human chromosomes 6 and 8. Pflugers Archiv European Journal of Physiology, 2001, 442, r187-r189.	1.3	3
92	Molecular cloning and partial characterisation of the mouse Cyp51 cDNA. Pflugers Archiv European Journal of Physiology, 2000, 439, r007-r008.	1.3	1
93	Characterization of the Mouse Lanosterol 14 α -Demethylase (CYP51), a New Member of the Evolutionarily Most Conserved Cytochrome P450 Family. Archives of Biochemistry and Biophysics, 2000, 379, 37-45.	1.4	29
94	Molecular cloning and partial characterisation of the mouse Cyp51 cDNA. Pflugers Archiv European Journal of Physiology, 2000, 439, R7-R8.	1.3	0
95	Cyclic Adenosine 3',5'-Monophosphate(cAMP)/cAMP-Responsive Element Modulator (CREM)-Dependent Regulation of Cholesterogenic Lanosterol 14 α -Demethylase (CYP51) in Spermatids. Molecular Endocrinology, 1999, 13, 1951-1962.	3.7	68
96	Characteristics of the heterologously expressed human lanosterol 14 α -demethylase (other names: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 antifungal agents. , 1999, 15, 755-763.		72
97	Elevated Expression of Lanosterol 14 α -Demethylase (CYP51) and the Synthesis of Oocyte Meiosis-Activating Sterols in Postmeiotic Germ Cells of Male Rats1. Endocrinology, 1998, 139, 2314-2321.	1.4	51
98	Structure and Mapping of the Human Lanosterol 14 α - Demethylase Gene (CYP51) Encoding the Cytochrome P450 Involved in Cholesterol Biosynthesis; Comparison of Exon/Intron Organization with other Mammalian and Fungal CYP Genes. Genomics, 1996, 38, 371-381.	1.3	86
99	The Ubiquitously Expressed Human CYP51 Encodes Lanosterol 14 α -Demethylase, a Cytochrome P450 Whose Expression Is Regulated by Oxysterols. Archives of Biochemistry and Biophysics, 1996, 329, 73-81.	1.4	162
100	The Three Human Cytochrome P450 Lanosterol 14 α -Demethylase (CYP51) Genes Reside on Chromosomes 3, 7, and 13: Structure of the Two Retrotransposed Pseudogenes, Association with a Line-1 Element, and Evolution of the Human CYP51 Family. Archives of Biochemistry and Biophysics, 1996, 333, 466-474.	1.4	33
101	Ultrastructure and genotypic characterization of the filamentous fungus Cochliobolus lunatus in comparison to the anamorphic strain Curvularia lunata. FEMS Microbiology Letters, 1994, 117, 35-40.	0.7	3
102	Morphological changes and induced sporulation in HmBR transformants of Cochliobolus lunatus. Current Microbiology, 1991, 23, 303-306.	1.0	2