

Zeljka Korade

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

3,273
citations

172386
29
h-index

149623
56
g-index

82
all docs

82
docs citations

82
times ranked

4111
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Enrichment Reduces A β Levels and Amyloid Deposition in Transgenic Mice. <i>Cell</i> , 2005, 120, 701-713.	13.5	821
2	Lipid rafts, cholesterol, and the brain. <i>Neuropharmacology</i> , 2008, 55, 1265-1273.	2.0	263
3	Oxysterols from Free Radical Chain Oxidation of 7-Dehydrocholesterol: Product and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2010, 132, 2222-2232.	6.6	120
4	Biological activities of 7-dehydrocholesterol-derived oxysterols: implications for Smith-Lemli-Opitz syndrome. <i>Journal of Lipid Research</i> , 2010, 51, 3259-3269.	2.0	114
5	p75 Neurotrophin Receptor-mediated Apoptosis in Sympathetic Neurons Involves a Biphasic Activation of JNK and Up-regulation of Tumor Necrosis Factor- α -converting Enzyme/ADAM17. <i>Journal of Biological Chemistry</i> , 2010, 285, 20358-20368.	1.6	112
6	An oxysterol biomarker for 7-dehydrocholesterol oxidation in cell/mouse models for Smith-Lemli-Opitz syndrome. <i>Journal of Lipid Research</i> , 2011, 52, 1222-1233.	2.0	92
7	Late-migrating neuroepithelial cells from the spinal cord differentiate into sensory ganglion cells and melanocytes. <i>Neuron</i> , 1995, 14, 143-152.	3.8	79
8	Novel CLCN1 mutations with unique clinical and electrophysiological consequences. <i>Brain</i> , 2002, 125, 2392-2407.	3.7	78
9	Protein Kinase A-Induced Phosphorylation of the p65 Subunit of Nuclear Factor- κ B Promotes Schwann Cell Differentiation into a Myelinating Phenotype. <i>Journal of Neuroscience</i> , 2008, 28, 3738-3746.	1.7	76
10	DHCEO accumulation is a critical mediator of pathophysiology in a Smith-Lemli-Opitz syndrome model. <i>Neurobiology of Disease</i> , 2012, 45, 923-929.	2.1	65
11	Oxidative stress and glutathione response in tissue cultures from persons with major depression. <i>Journal of Psychiatric Research</i> , 2012, 46, 1326-1332.	1.5	60
12	Myotonic dystrophy: Molecular windows on a complex etiology. <i>Nucleic Acids Research</i> , 1998, 26, 1363-1368.	6.5	59
13	Coordinated Messenger RNA/MicroRNA Changes in Fibroblasts of Patients with Major Depression. <i>Biological Psychiatry</i> , 2015, 77, 256-265.	0.7	57
14	Cholesterol Biosynthesis and Uptake in Developing Neurons. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3671-3681.	1.7	57
15	Lipid biomarkers of oxidative stress in a genetic mouse model of Smith-Lemli-Opitz syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 113-122.	1.7	52
16	Metabolism of oxysterols derived from nonenzymatic oxidation of 7-dehydrocholesterol in cells. <i>Journal of Lipid Research</i> , 2013, 54, 1135-1143.	2.0	48
17	The Effect of Small Molecules on Sterol Homeostasis: Measuring 7-Dehydrocholesterol in Dhcr7-Deficient Neuro2a Cells and Human Fibroblasts. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1102-1115.	2.9	48
18	Antioxidant Supplementation Ameliorates Molecular Deficits in Smith-Lemli-Opitz Syndrome. <i>Biological Psychiatry</i> , 2014, 75, 215-222.	0.7	44

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19	Profiling and Imaging Ion Mobility-Mass Spectrometry Analysis of Cholesterol and 7-Dehydrocholesterol in Cells Via Sputtered Silver MALDI. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 924-933.	1.2	43
20	Presenilin-1-Dependent Transcriptome Changes. <i>Journal of Neuroscience</i> , 2005, 25, 1571-1578.	1.7	42
21	Expression and p75 neurotrophin receptor dependence of cholesterol synthetic enzymes in adult mouse brain. <i>Neurobiology of Aging</i> , 2007, 28, 1522-1531.	1.5	41
22	A highly sensitive method for analysis of 7-dehydrocholesterol for the study of Smith-Lemli-Opitz syndrome. <i>Journal of Lipid Research</i> , 2014, 55, 329-337.	2.0	39
23	Myotonic dystrophy: tissue-specific effect of somatic CTG expansions on allele-specific DMAHP/SIX5 expression. <i>Human Molecular Genetics</i> , 1999, 8, 1017-1023.	1.4	38
24	Visualizing Cholesterol in the Brain by On-Tissue Derivatization and Quantitative Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 4932-4943.	3.2	38
25	Molecular consequences of altered neuronal cholesterol biosynthesis. <i>Journal of Neuroscience Research</i> , 2009, 87, 866-875.	1.3	37
26	Inhibitors of 7-Dehydrocholesterol Reductase: Screening of a Collection of Pharmacologically Active Compounds in Neuro2a Cells. <i>Chemical Research in Toxicology</i> , 2016, 29, 892-900.	1.7	37
27	Restriction in Cell Fates of Developing Spinal Cord Cells Transplanted to Neural Crest Pathways. <i>Journal of Neuroscience</i> , 1996, 16, 7638-7648.	1.7	32
28	Probing lipid-protein adduction with alkynyl surrogates: application to Smith-Lemli-Opitz syndrome. <i>Journal of Lipid Research</i> , 2013, 54, 2842-2850.	2.0	31
29	Effect of psychotropic drug treatment on sterol metabolism. <i>Schizophrenia Research</i> , 2017, 187, 74-81.	1.1	31
30	Metabolic stress-induced microRNA and mRNA expression profiles of human fibroblasts. <i>Experimental Cell Research</i> , 2014, 320, 343-353.	1.2	30
31	DNA microarray profiling of developing PS1-deficient mouse brain reveals complex and coregulated expression changes. <i>Molecular Psychiatry</i> , 2003, 8, 863-878.	4.1	29
32	Cholesterol biosynthesis and the pro-apoptotic effects of the p75 nerve growth factor receptor in PC12 pheochromocytoma cells. <i>Molecular Brain Research</i> , 2005, 139, 225-234.	2.5	29
33	The intracellular domain of p75NTR as a determinant of cellular reducing potential and response to oxidant stress. <i>Aging Cell</i> , 2005, 4, 187-196.	3.0	28
34	Identification and characterization of prescription drugs that change levels of 7-dehydrocholesterol and desmosterol. <i>Journal of Lipid Research</i> , 2018, 59, 1916-1926.	2.0	28
35	Identification of the Presenilins in Hematopoietic Cells with Localization of Presenilin 1 to Neutrophil and Platelet Granules. <i>Blood Cells, Molecules, and Diseases</i> , 2002, 28, 28-38.	0.6	27
36	Bcl-2 mediates induction of neural differentiation. <i>Oncogene</i> , 2003, 22, 5515-5518.	2.6	27

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37	Fibroblasts from patients with major depressive disorder show distinct transcriptional response to metabolic stressors. <i>Translational Psychiatry</i> , 2015, 5, e523-e523.	2.4	25
38	Dichlorophenyl piperazines, including a recently-approved atypical antipsychotic, are potent inhibitors of DHCR7, the last enzyme in cholesterol biosynthesis. <i>Toxicology and Applied Pharmacology</i> , 2018, 349, 21-28.	1.3	24
39	An altered peripheral IL6 response in major depressive disorder. <i>Neurobiology of Disease</i> , 2016, 89, 46-54.	2.1	23
40	Probes for protein adduction in cholesterol biosynthesis disorders: Alkynyl lanosterol as a viable sterol precursor. <i>Redox Biology</i> , 2017, 12, 182-190.	3.9	23
41	p75NTR-dependent modulation of cellular handling of reactive oxygen species. <i>Journal of Neurochemistry</i> , 2009, 110, 295-306.	2.1	22
42	Maternal aripiprazole exposure interacts with 7-dehydrocholesterol reductase mutations and alters embryonic neurodevelopment. <i>Molecular Psychiatry</i> , 2019, 24, 491-500.	4.1	20
43	Microarray Analysis of Lyn-Deficient B Cells Reveals Germinal Center-Associated Nuclear Protein and Other Genes Associated with the Lymphoid Germinal Center. <i>Journal of Immunology</i> , 2004, 172, 4133-4141.	0.4	18
44	Amiodarone Alters Cholesterol Biosynthesis through Tissue-Dependent Inhibition of Emopamil Binding Protein and Dehydrocholesterol Reductase 24. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1413-1423.	1.7	18
45	Elevated autophagy and mitochondrial dysfunction in the Smith-Lemli-Opitz Syndrome. <i>Molecular Genetics and Metabolism Reports</i> , 2014, 1, 431-442.	0.4	17
46	Desmosterolosis and desmosterol homeostasis in the developing mouse brain. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 934-943.	1.7	17
47	Transcriptome Differences Between the Frontal Cortex and Hippocampus of Wild-Type and Humanized Presenilin-1 Transgenic Mice. <i>American Journal of Geriatric Psychiatry</i> , 2005, 13, 1041-1051.	0.6	16
48	Vulnerability of DHCR7+/Δ ⁺ mutation carriers to aripiprazole and trazodone exposure. <i>Journal of Lipid Research</i> , 2017, 58, 2139-2146.	2.0	16
49	Prescription Medications Alter Neuronal and Glial Cholesterol Synthesis. <i>ACS Chemical Neuroscience</i> , 2021, 12, 735-745.	1.7	16
50	Wnt Signaling as a Potential Therapeutic Target for Frontotemporal Dementia. <i>Neuron</i> , 2011, 71, 955-957.	3.8	14
51	Behavioral and serotonergic response changes in the Dhcr7-HET mouse model of Smith-Lemli-Opitz syndrome. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 106, 101-108.	1.3	13
52	Maternal cariprazine exposure inhibits embryonic and postnatal brain cholesterol biosynthesis. <i>Molecular Psychiatry</i> , 2020, 25, 2685-2694.	4.1	13
53	Trazodone effects on developing brain. <i>Translational Psychiatry</i> , 2021, 11, 85.	2.4	13
54	True and false discovery in DNA microarray experiments: Transcriptome changes in the hippocampus of presenilin 1 mutant mice. <i>Methods</i> , 2005, 37, 261-273.	1.9	12

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55	Medication effects on developmental sterol biosynthesis. <i>Molecular Psychiatry</i> , 2022, 27, 490-501.	4.1	11
56	NRIF is a Regulator of Neuronal Cholesterol Biosynthesis Genes. <i>Journal of Molecular Neuroscience</i> , 2009, 38, 152-158.	1.1	10
57	Subcellular localization of sterol biosynthesis enzymes. <i>Journal of Molecular Histology</i> , 2019, 50, 63-73.	1.0	10
58	Ubiquitous Aberration in Cholesterol Metabolism across Pancreatic Ductal Adenocarcinoma. <i>Metabolites</i> , 2022, 12, 47.	1.3	7
59	Transcriptome differences between the frontal cortex and hippocampus of wild-type and humanized presenilin-1 transgenic mice. <i>American Journal of Geriatric Psychiatry</i> , 2005, 13, 1041-51.	0.6	7
60	The autism disconnect. <i>Nature</i> , 2011, 474, 294-295.	13.7	6
61	Programmed to be Human?. <i>Neuron</i> , 2014, 81, 224-226.	3.8	6
62	Oxidative stress, serotonergic changes and decreased ultrasonic vocalizations in a mouse model of Smith-Lemli-Opitz syndrome. <i>Genes, Brain and Behavior</i> , 2017, 16, 619-626.	1.1	6
63	Sterol Biosynthesis Inhibition in Pregnant Women Taking Prescription Medications. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 848-857.	2.5	6
64	p75NTR enhances PC12 cell tumor growth by a non-receptor mechanism involving downregulation of cyclin D2. <i>Experimental Cell Research</i> , 2006, 312, 3287-3297.	1.2	5
65	Individual and simultaneous treatment with antipsychotic aripiprazole and antidepressant trazodone inhibit sterol biosynthesis in the adult brain. <i>Journal of Lipid Research</i> , 2022, 63, 100249.	2.0	5
66	DNA self-polymers as microarray probes improve assay sensitivity. <i>Journal of Neuroscience Methods</i> , 2006, 151, 216-223.	1.3	4
67	Bcl-2 overexpression disrupts the morphology of PC12 cells through reduced ERK activation. <i>Brain Research</i> , 2006, 1112, 46-55.	1.1	4
68	Interaction of maternal immune activation and genetic interneuronal inhibition. <i>Brain Research</i> , 2021, 1759, 147370.	1.1	4
69	Neonatal Hypoxic-Ischemic Brain Injury Alters Brain Acylcarnitine Levels in a Mouse Model. <i>Metabolites</i> , 2022, 12, 467.	1.3	4
70	Plasma Concentrations and Maternal-Umbilical Cord Plasma Ratios of the Six Most Prevalent Carotenoids across Five Groups of Birth Gestational Age. <i>Antioxidants</i> , 2021, 10, 1409.	2.2	3
71	Biochemical and Clinical Effects of Vitamin E Supplementation in Hungarian Smith-Lemli-Opitz Syndrome Patients. <i>Biomolecules</i> , 2021, 11, 1228.	1.8	2
72	Altered Cholesterol Biosynthesis Affects Drug Metabolism. <i>ACS Omega</i> , 2021, 6, 5490-5498.	1.6	1