

# Jens Lykkesfeldt

## List of Publications by Year in descending order

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Version: 2024-02-01

238  
papers

10,667  
citations

34105

52  
h-index

38395

95  
g-index

249  
all docs

249  
docs citations

249  
times ranked

13705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of hepatic lipid accumulation in non-alcoholic fatty liver disease. Cellular and Molecular Life Sciences, 2018, 75, 3313-3327.	5.4	777
2	Oxidants and antioxidants in disease: Oxidative stress in farm animals. Veterinary Journal, 2007, 173, 502-511.	1.7	554
3	Malondialdehyde as biomarker of oxidative damage to lipids caused by smoking. Clinica Chimica Acta, 2007, 380, 50-58.	1.1	321
4	Feeding acetyl-L-carnitine and lipoic acid to old rats significantly improves metabolic function while decreasing oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1870-1875.	7.1	295
5	(Lipoic acid) supplemented old rats have improved mitochondrial function, decreased oxidative damage, and increased metabolic rate. FASEB Journal, 1999, 13, 411-418.	0.5	273
6	In vivo toxicity of cationic micelles and liposomes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 467-477.	3.3	271
7	Basic & Clinical Pharmacology & Toxicology Policy for Experimental and Clinical studies. Basic and Clinical Pharmacology and Toxicology, 2018, 123, 233-235.	2.5	256
8	Acetyl-L-carnitine fed to old rats partially restores mitochondrial function and ambulatory activity. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9562-9566.	7.1	253
9	BCPT policy for experimental and clinical studies. Basic and Clinical Pharmacology and Toxicology, 2021, 128, 4-8.	2.5	248
10	Determination of Ascorbic Acid and Dehydroascorbic Acid in Biological Samples by High-Performance Liquid Chromatography Using Subtraction Methods: Reliable Reduction with Tris[2-carboxyethyl]phosphine Hydrochloride. Analytical Biochemistry, 2000, 282, 89-93.	2.4	223
11	Ascorbate is depleted by smoking and repleted by moderate supplementation: a study in male smokers and nonsmokers with matched dietary antioxidant intakes. American Journal of Clinical Nutrition, 2000, 71, 530-536.	4.7	199
12	Determination of Malondialdehyde as Dithiobarbituric Acid Adduct in Biological Samples by HPLC with Fluorescence Detection: Comparison with Ultraviolet-Visible Spectrophotometry. Clinical Chemistry, 2001, 47, 1725-1727.	3.2	198
13	The Pharmacokinetics of Vitamin C. Nutrients, 2019, 11, 2412.	4.1	186
14	Determination of Ascorbic Acid and Dehydroascorbic Acid in Plasma by High-Performance Liquid Chromatography with Coulometric Detection - Are They Reliable Biomarkers of Oxidative Stress?. Analytical Biochemistry, 1995, 229, 329-335.	2.4	178
15	Is vitamin C supplementation beneficial? Lessons learned from randomised controlled trials. British Journal of Nutrition, 2010, 103, 1251-1259.	2.3	153
16	Antioxidant Supplementation Does Not Alter Endurance Training Adaptation. Medicine and Science in Sports and Exercise, 2010, 42, 1388-1395.	0.4	150
17	Age-associated decline in ascorbic acid concentration, recycling, and biosynthesis in rat hepatocytes reversal with (Lipoic acid) supplementation. FASEB Journal, 1998, 12, 1183-1189.	0.5	140
18	Long-term high copper intake: effects on indexes of copper status, antioxidant status, and immune function in young men. American Journal of Clinical Nutrition, 2004, 79, 1037-1044.	4.7	140

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19	Selective serotonin reuptake inhibitors and theophylline metabolism in human liver microsomes: potent inhibition by fluvoxamine.. <i>British Journal of Clinical Pharmacology</i> , 1995, 39, 151-159.	2.4	138
20	Ascorbic acid and dehydroascorbic acid as biomarkers of oxidative stress caused by smoking. <i>American Journal of Clinical Nutrition</i> , 1997, 65, 959-963.	4.7	138
21	Authors' Perspective: What is the Optimum Intake of Vitamin C in Humans?. <i>Critical Reviews in Food Science and Nutrition</i> , 2012, 52, 815-829.	10.3	127
22	Vitamin C. <i>Advances in Nutrition</i> , 2014, 5, 16-18.	6.4	125
23	A role of peroxisome proliferator-activated receptor $\beta$ in non-alcoholic fatty liver disease. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 124, 528-537.	2.5	117
24	$\beta$ -tocopherol supplementation inhibits protein nitration and ascorbate oxidation in rats with inflammation. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1534-1542.	2.9	116
25	Regulation of Vitamin C Homeostasis during Deficiency. <i>Nutrients</i> , 2013, 5, 2860-2879.	4.1	107
26	Factors Affecting the Absorption of Subcutaneously Administered Insulin: Effect on Variability. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-17.	2.3	102
27	Oxidative DNA damage <i>in vivo</i> : Relationship to age, plasma antioxidants, drug metabolism, glutathione-S-transferase activity and urinary creatinine excretion. <i>Free Radical Research</i> , 1998, 29, 565-571.	3.3	94
28	Oxidative stress precedes peak systemic inflammatory response in pediatric patients undergoing cardiopulmonary bypass operation. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1323-1332.	2.9	94
29	Vitamin C supplementation decreases oxidative DNA damage in mononuclear blood cells of smokers. <i>European Journal of Nutrition</i> , 2004, 43, 267-274.	3.9	86
30	Artemisinin induces omeprazole metabolism in human beings*. <i>Clinical Pharmacology and Therapeutics</i> , 1998, 64, 160-167.	4.7	83
31	Vitamin C deficiency in early postnatal life impairs spatial memory and reduces the number of hippocampal neurons in guinea pigs. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 540-546.	4.7	82
32	Does Vitamin C Deficiency Affect Cognitive Development and Function?. <i>Nutrients</i> , 2014, 6, 3818-3846.	4.1	79
33	Ascorbate and Dehydroascorbic Acid as Reliable Biomarkers of Oxidative Stress: Analytical Reproducibility and Long-term Stability of Plasma Samples Subjected to Acidic Deproteinization. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 2513-2516.	2.5	77
34	The effects of oral and intramuscular administration and dose escalation of enrofloxacin on the selection of quinolone resistance among <i>Salmonella</i> and coliforms in pigs. <i>Research in Veterinary Science</i> , 2003, 75, 185-193.	1.9	76
35	Effect of vitamin C and iron chelation on diesel exhaust particle and carbon black induced oxidative damage and cell adhesion molecule expression in human endothelial cells. <i>Toxicology Letters</i> , 2011, 203, 181-189.	0.8	75
36	Increased systemic oxidatively generated DNA and RNA damage in schizophrenia. <i>Psychiatry Research</i> , 2013, 209, 417-423.	3.3	75

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37	Simvastatin and oxidative stress in humans: A randomized, double-blinded, placebo-controlled clinical trial. <i>Redox Biology</i> , 2016, 9, 32-38.	9.0	71
38	Discrepancies in global vitamin C recommendations: a review of RDA criteria and underlying health perspectives. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 742-755.	10.3	71
39	Effect of antioxidant supplementation on insulin sensitivity in response to endurance exercise training. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E761-E770.	3.5	70
40	Determination of malondialdehyde as dithiobarbituric acid adduct in biological samples by HPLC with fluorescence detection: comparison with ultraviolet-visible spectrophotometry. <i>Clinical Chemistry</i> , 2001, 47, 1725-7.	3.2	69
41	Involvement of cytochrome P450 in oxime production in glucosinolate biosynthesis as demonstrated by an in vitro microsomal enzyme system isolated from jasmonic acid-induced seedlings of <i>Sinapis alba</i> L.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 12505-12509.	7.1	68
42	Effect of smoking cessation on plasma ascorbic acid concentration. <i>BMJ: British Medical Journal</i> , 1996, 313, 91-91.	2.3	68
43	Maternal Vitamin C Deficiency during Pregnancy Persistently Impairs Hippocampal Neurogenesis in Offspring of Guinea Pigs. <i>PLoS ONE</i> , 2012, 7, e48488.	2.5	65
44	Oxidative stress in brain during experimental bacterial meningitis: differential effects of Î±-phenyl-tert-butyl nitron and N-acetylcysteine treatment. <i>Free Radical Biology and Medicine</i> , 2001, 31, 754-762.	2.9	63
45	Synthesis of Benzylglucosinolate in <i>Tropaeolum majus</i> L. (Isothiocyanates as Potent Enzyme) Tj ETQq1 1 0.784314,rgBT /Overlock 10	4.8	60
46	Role of vitamin C and E supplementation on IL-6 in response to training. <i>Journal of Applied Physiology</i> , 2012, 112, 990-1000.	2.5	60
47	Putative biomarkers for evaluating antibiotic treatment: an experimental model of porcine <i>Actinobacillus pleuropneumoniae</i> infection. <i>Research in Veterinary Science</i> , 2003, 74, 261-270.	1.9	58
48	Does Vitamin C Deficiency Promote Fatty Liver Disease Development?. <i>Nutrients</i> , 2014, 6, 5473-5499.	4.1	58
49	Does vitamin C enhance nitric oxide bioavailability in a tetrahydrobiopterin-dependent manner? In vitro, in vivo and clinical studies. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 36, 51-57.	2.7	58
50	Dietary fat stimulates development of NAFLD more potently than dietary fructose in Spragueâ€™Dawley rats. <i>Diabetology and Metabolic Syndrome</i> , 2018, 10, 4.	2.7	58
51	Vitamin C deficiency in weanling guinea pigs: differential expression of oxidative stress and DNA repair in liver and brain. <i>British Journal of Nutrition</i> , 2007, 98, 1116-1119.	2.3	56
52	Simultaneous determination of urinary free cortisol and 6Î²-hydroxycortisol by high-performance liquid chromatography to measure human CYP3A activity. <i>Biomedical Applications</i> , 1994, 660, 23-29.	1.7	55
53	Oral vitamin C supplementation to patients with myeloid cancer on azacitidine treatment: Normalization of plasma vitamin C induces epigenetic changes. <i>Clinical Epigenetics</i> , 2019, 11, 143.	4.1	55
54	Antioxidant supplementation enhances the exercise-induced increase in mitochondrial uncoupling protein 3 and endothelial nitric oxide synthase mRNA content in human skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2007, 43, 353-361.	2.9	54

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55	Elimination of Ascorbic Acid After High-Dose Infusion in Prostate Cancer Patients: A Pharmacokinetic Evaluation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 116, 343-348.	2.5	53
56	Distribution of enrofloxacin in intestinal tissue and contents of healthy pigs after oral and intramuscular administrations. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2002, 25, 335-342.	1.3	52
57	On the effect of vitamin C intake on human health: How to (mis)interpret the clinical evidence. <i>Redox Biology</i> , 2020, 34, 101532.	9.0	51
58	Ascorbic acid recycling in human erythrocytes is induced by smoking in vivo. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1439-1447.	2.9	50
59	Pasteurization Procedures for Donor Human Milk Affect Body Growth, Intestinal Structure, and Resistance against Bacterial Infections in Preterm Pigs. <i>Journal of Nutrition</i> , 2017, 147, 1121-1130.	2.9	49
60	Role of Marginal Vitamin C Deficiency in Atherogenesis: <i>In Vivo</i> Models and Clinical Studies. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 104, 419-433.	2.5	48
61	Controlled exposure to particulate matter from urban street air is associated with decreased vasodilation and heart rate variability in overweight and older adults. <i>Particle and Fibre Toxicology</i> , 2015, 12, 6.	6.2	46
62	Distribution of vitamin C is tissue specific with early saturation of the brain and adrenal glands following differential oral dose regimens in guinea pigs. <i>British Journal of Nutrition</i> , 2015, 113, 1539-1549.	2.3	45
63	Modulating the Gut Microbiota Improves Glucose Tolerance, Lipoprotein Profile and Atherosclerotic Plaque Development in ApoE-Deficient Mice. <i>PLoS ONE</i> , 2016, 11, e0146439.	2.5	44
64	Utility of melatonin to treat surgical stress after major vascular surgery – a safety study. <i>Journal of Pineal Research</i> , 2008, 44, 426-431.	7.4	43
65	Does Vitamin C Deficiency Increase Lifestyle-Associated Vascular Disease Progression? Evidence Based on Experimental and Clinical Studies. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 2084-2104.	5.4	42
66	In vitro toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines. <i>Toxicology in Vitro</i> , 2016, 36, 164-171.	2.4	42
67	Melatonin suppresses markers of inflammation and oxidative damage in a human daytime endotoxemia model. <i>Journal of Critical Care</i> , 2014, 29, 184.e9-184.e13.	2.2	41
68	A sensitive venous bleeding model in haemophilia A mice: effects of two recombinant FVIII products (N8) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	40
69	Normal weight dyslipidemia: Is it all about the liver?. <i>Obesity</i> , 2016, 24, 556-567.	3.0	40
70	Liraglutide Decreases Hepatic Inflammation and Injury in Advanced Lean Non-Alcoholic Steatohepatitis. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 123, 704-713.	2.5	40
71	Whey Protein Reduces Early Life Weight Gain in Mice Fed a High-Fat Diet. <i>PLoS ONE</i> , 2013, 8, e71439.	2.5	40
72	Plasma malondialdehyde is induced by smoking: a study with balanced antioxidant profiles. <i>British Journal of Nutrition</i> , 2004, 92, 203-206.	2.3	39

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73	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. <i>Toxicology</i> , 2016, 371, 29-40.	4.2	39
74	Diet-induced dyslipidemia leads to nonalcoholic fatty liver disease and oxidative stress in guinea pigs. <i>Translational Research</i> , 2016, 168, 146-160.	5.0	39
75	Ascorbate and dehydroascorbic acid as biomarkers of oxidative stress: validity of clinical data depends on vacutainer system used. <i>Nutrition Research</i> , 2012, 32, 66-69.	2.9	38
76	Differential toxicological response to positively and negatively charged nanoparticles in the rat brain. <i>Nanotoxicology</i> , 2014, 8, 1-33.	3.0	38
77	Increased Oxidative Damage in Vitamin C Deficiency is Accompanied by Induction of Ascorbic Acid Recycling Capacity in Young But Not Mature Guinea Pigs. <i>Free Radical Research</i> , 2002, 36, 567-574.	3.3	37
78	Cerebral Vasculature Is the Major Target of Oxidative Protein Alterations in Bacterial Meningitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2002, 61, 605-613.	1.7	36
79	Clindamycin is neuroprotective in experimental <i>Streptococcus pneumoniae</i> meningitis compared with ceftriaxone. <i>Journal of Neurochemistry</i> , 2004, 91, 1450-1460.	3.9	36
80	Antioxidant supplementation for lung disease in cystic fibrosis. <i>The Cochrane Library</i> , 2014, , CD007020.	2.8	36
81	Weekly ascorbic acid infusion in castration-resistant prostate cancer patients: a single-arm phase II trial. <i>Translational Andrology and Urology</i> , 2017, 6, 517-528.	1.4	36
82	Animal Models of Fibrosis in Nonalcoholic Steatohepatitis: Do They Reflect Human Disease?. <i>Advances in Nutrition</i> , 2020, 11, 1696-1711.	6.4	36
83	2-nitro-3-(p-hydroxyphenyl)propionate and aci-1-nitro-2-(p-hydroxyphenyl)ethane, two intermediates in the biosynthesis of the cyanogenic glucoside dhurrin in <i>Sorghum bicolor</i> (L.) Moench.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 487-491.	7.1	35
84	Dyslipidemia: Obese or Not Obeseâ€”That Is Not the Question. <i>Current Obesity Reports</i> , 2016, 5, 405-412.	8.4	33
85	Age-dependent change in Vitamin C status: A phenomenon of maturation rather than of ageing. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 892-898.	4.6	32
86	Endothelial dysfunction in the early postoperative period after major colon cancer surgery. <i>British Journal of Anaesthesia</i> , 2017, 118, 200-206.	3.4	32
87	High dietary fat and cholesterol exacerbates chronic vitamin C deficiency in guinea pigs. <i>British Journal of Nutrition</i> , 2011, 105, 54-61.	2.3	31
88	The effect of short-term, high-dose oral N-acetylcysteine treatment on oxidative stress markers in cystic fibrosis patients with chronic <i>P. aeruginosa</i> infection â€” A pilot study. <i>Journal of Cystic Fibrosis</i> , 2015, 14, 211-218.	0.7	31
89	Telomere length and genotoxicity in the lung of rats following intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. <i>Mutagenesis</i> , 2019, 34, 203-214.	2.6	31
90	Evaluation of a single dose versus a divided dose regimen of danofloxacin in treatment of <i>Actinobacillus pleuropneumoniae</i> infection in pigs. <i>Research in Veterinary Science</i> , 2003, 74, 271-277.	1.9	30

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91	Storage-induced increase in biomarkers of oxidative stress and inflammation in red blood cell components. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2011, 71, 299-303.	1.2	30
92	Long-term Western diet fed apolipoprotein E-deficient rats exhibit only modest early atherosclerotic characteristics. <i>Scientific Reports</i> , 2018, 8, 5416.	3.3	30
93	Pronounced Inflammatory Response to Endotoxaemia during Nighttime: A Randomised Cross-Over Trial. <i>PLoS ONE</i> , 2014, 9, e87413.	2.5	30
94	High-fat but not sucrose intake is essential for induction of dyslipidemia and non-alcoholic steatohepatitis in guinea pigs. <i>Nutrition and Metabolism</i> , 2016, 13, 51.	3.0	29
95	No Effect of Melatonin to Modify Surgical-Stress Response after Major Vascular Surgery: A Randomised Placebo-controlled trial. <i>European Journal of Vascular and Endovascular Surgery</i> , 2010, 40, 461-467.	1.5	28
96	Effect of Insulin-Induced Hypoglycaemia on the Central Nervous System: Evidence from Experimental Studies. <i>Journal of Neuroendocrinology</i> , 2014, 26, 123-150.	2.6	28
97	Göttingen minipig model of diet-induced atherosclerosis: influence of mild streptozotocin-induced diabetes on lesion severity and markers of inflammation evaluated in obese, obese and diabetic, and lean control animals. <i>Journal of Translational Medicine</i> , 2015, 13, 312.	4.4	27
98	Does Glucagon-like Peptide-1 Ameliorate Oxidative Stress in Diabetes? Evidence Based on Experimental and Clinical Studies. <i>Current Diabetes Reviews</i> , 2016, 12, 331-358.	1.3	27
99	Does vitamin C deficiency result in impaired brain development in infants?. <i>Redox Report</i> , 2009, 14, 2-6.	4.5	26
100	Poor vitamin C status is associated with increased carotid intima-media thickness, decreased microvascular function, and delayed myocardial repolarization in young patients with type 1 diabetes. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 447-452.	4.7	26
101	Chronic Vitamin C Deficiency does not Accelerate Oxidative Stress in Ageing Brains of Guinea Pigs. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 524-529.	2.5	24
102	Ampicillin-Improved Glucose Tolerance in Diet-Induced Obese C57BL/6NTac Mice Is Age Dependent. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-13.	2.3	24
103	Cyanogenic Glycosides in Cassava, <i>Manihot esculenta</i> Crantz.. <i>Acta Chemica Scandinavica</i> , 1994, 48, 178-180.	0.7	24
104	Guinea pig ascorbate status predicts tetrahydrobiopterin plasma concentration and oxidation ratio in vivo. <i>Nutrition Research</i> , 2013, 33, 859-867.	2.9	23
105	l-dehydroascorbic acid can substitute l-ascorbic acid as dietary vitamin C source in guinea pigs. <i>Redox Biology</i> , 2016, 7, 8-13.	9.0	23
106	Salmon calcitonin distributes into the arcuate nucleus to a subset of NPY neurons in mice. <i>Neuropharmacology</i> , 2020, 167, 107987.	4.1	23
107	The role of vitamin C in epigenetic cancer therapy. <i>Free Radical Biology and Medicine</i> , 2021, 170, 179-193.	2.9	23
108	Prenatal vitamin C deficiency results in differential levels of oxidative stress during late gestation in foetal guinea pig brains. <i>Redox Biology</i> , 2014, 2, 361-367.	9.0	22

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109	Effect of Insulin-Induced Hypoglycaemia on the Peripheral Nervous System: Focus on Adaptive Mechanisms, Pathogenesis and Histopathological Changes. <i>Journal of Neuroendocrinology</i> , 2014, 26, 482-496.	2.6	22
110	Vitamin C pharmacokinetics of plain and slow release formulations in smokers. <i>Clinical Nutrition</i> , 2004, 23, 1043-1050.	5.0	21
111	Keeping the intracellular vitamin C at a physiologically relevant level in endothelial cell culture. <i>Analytical Biochemistry</i> , 2010, 397, 135-137.	2.4	21
112	Maternal vitamin C deficiency during pregnancy results in transient fetal and placental growth retardation in guinea pigs. <i>European Journal of Nutrition</i> , 2015, 54, 667-676.	3.9	21
113	Variation in diagnostic NAFLD/NASH read-outs in paired liver samples from rodent models. <i>Journal of Pharmacological and Toxicological Methods</i> , 2020, 101, 106651.	0.7	21
114	Markers of Oxidative Stress in Dogs with Myxomatous Mitral Valve Disease are Influenced by Sex, Neuter Status, and Serum Cholesterol Concentration. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 295-302.	1.6	20
115	Measurement of Ascorbic Acid and Dehydroascorbic Acid in Biological Samples. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , 2002, 12, Unit 7.6.1-15.	1.1	19
116	Electroencephalographic Changes after Pediatric Cardiac Surgery with Cardiopulmonary Bypass: Is Slow Wave Activity Unfavorable?. <i>Pediatric Research</i> , 2005, 58, 771-778.	2.3	19
117	No effect of melatonin on oxidative stress after laparoscopic cholecystectomy: a randomized placebo-controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2010, 54, 1121-1127.	1.6	19
118	Biopterin Status in Dogs with Myxomatous Mitral Valve Disease is Associated with Disease Severity and Cardiovascular Risk Factors. <i>Journal of Veterinary Internal Medicine</i> , 2014, 28, 1520-1526.	1.6	19
119	Antioxidant supplementation for lung disease in cystic fibrosis. <i>The Cochrane Library</i> , 2019, 2019, CD007020.	2.8	19
120	Determination of the disappearance rate of iodine-125 labelled oils from the injection site after intramuscular and subcutaneous administration to pigs. <i>International Journal of Pharmaceutics</i> , 2001, 230, 67-75.	5.2	18
121	Prolonged maternal vitamin C deficiency overrides preferential fetal ascorbate transport but does not influence perinatal survival in guinea pigs. <i>British Journal of Nutrition</i> , 2013, 110, 1573-1579.	2.3	18
122	In vivo vitamin C deficiency in guinea pigs increases ascorbate transporters in liver but not kidney and brain. <i>Nutrition Research</i> , 2014, 34, 639-645.	2.9	18
123	Rodent model choice has major impact on variability of standard preclinical readouts associated with diabetes and obesity research. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 3574-84.	0.0	18
124	Poor Vitamin C Status Late in Pregnancy Is Associated with Increased Risk of Complications in Type 1 Diabetic Women: A Cross-Sectional Study. <i>Nutrients</i> , 2017, 9, 186.	4.1	17
125	Circadian Variation in the Response to Experimental Endotoxemia and Modulatory Effects of Exogenous Melatonin. <i>Chronobiology International</i> , 2013, 30, 1174-1180.	2.0	16
126	Oxidative costs of reproduction in mouse strains selected for different levels of food intake and which differ in reproductive performance. <i>Scientific Reports</i> , 2016, 6, 36353.	3.3	16



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127	Strategies for Using Plagiarism Software in the Screening of Incoming Journal Manuscripts: Recommendations Based on a Recent Literature Survey. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 161-164.	2.5	16
128	Atorvastatin and Vitamin E Accelerates NASH Resolution by Dietary Intervention in a Preclinical Guinea Pig Model. <i>Nutrients</i> , 2019, 11, 2834.	4.1	16
129	Smoking Depletes Vitamin C: Should Smokers Be Recommended to Take Supplements?. , 2006, , 237-260.		16
130	Poor Antioxidant Status Exacerbates Oxidative Stress and Inflammatory Response to <i>Pseudomonas aeruginosa</i> Lung Infection in Guinea Pigs. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 353-358.	2.5	15
131	Translational aspects of rectal evoked potentials: a comparative study in rats and humans. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G119-G128.	3.4	15
132	Non-Terminal Blood Sampling Techniques in Guinea Pigs. <i>Journal of Visualized Experiments</i> , 2014, , e51982.	0.3	15
133	Simultaneous quantification of monoamine neurotransmitters and their biogenic metabolites intracellularly and extracellularly in primary neuronal cell cultures and in sub-regions of guinea pig brain. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1028, 222-230.	2.3	15
134	A convenient synthesis of homochiral $\beta$ -alkylated $\beta$ -unsaturated $\beta$ -lactones. <i>Collection of Czechoslovak Chemical Communications</i> , 1991, 56, 1042-1051.	1.0	14
135	Ascorbate status modulates reticuloendothelial iron stores and response to deferasirox iron chelation in ascorbate-deficient rats. <i>Experimental Hematology</i> , 2012, 40, 820-827.	0.4	14
136	Biodistribution of rhodamine B fluorescence-labeled cationic nanoparticles in rats. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	14
137	Lower limb ischaemia and reperfusion injury in healthy volunteers measured by oxidative and inflammatory biomarkers. <i>Perfusion (United Kingdom)</i> , 2015, 30, 64-70.	1.0	14
138	Long term Westernized diet leads to region-specific changes in brain signaling mechanisms. <i>Neuroscience Letters</i> , 2018, 676, 85-91.	2.1	14
139	Vasomotor function in rat arteries after ex vivo and intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. <i>Particle and Fibre Toxicology</i> , 2018, 15, 12.	6.2	14
140	Determination of Reduced and Oxidized Coenzyme Q10 in Canine Plasma and Heart Tissue by HPLC-ECD: Comparison with LC-MS/MS Quantification. <i>Antioxidants</i> , 2019, 8, 253.	5.1	14
141	Histopathological nerve and skeletal muscle changes in rats subjected to persistent insulin-induced hypoglycemia. <i>Journal of Toxicologic Pathology</i> , 2016, 29, 17-30.	0.7	13
142	Molecular drivers of non-alcoholic steatohepatitis are sustained in mild-to-late fibrosis progression in a guinea pig model. <i>Molecular Genetics and Genomics</i> , 2019, 294, 649-661.	2.1	13
143	Endothelial dysfunction and myocardial injury after major emergency abdominal surgery: a prospective cohort study. <i>BMC Anesthesiology</i> , 2020, 20, 67.	1.8	13
144	Oxidative stress and damage in liver, but not in brain, of fischer 344 rats subjected to dietary iron supplementation with lipid-soluble [(3,5,5-trimethylhexanoyl)ferrocene]. <i>Journal of Biochemical and Molecular Toxicology</i> , 2007, 21, 145-155.	3.0	12

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145	Peri-operative endothelial dysfunction in patients undergoing minor abdominal surgery. <i>European Journal of Anaesthesiology</i> , 2019, 36, 130-134.	1.7	12
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