Eva Tvrzicka

List of Publications by Year
in descending order

58	2,023	331538 21	243529 44
papers	citations	h-index	g-index

59	59	59	3141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Omega-3 PUFA of marine origin limit diet-induced obesity in mice by reducing cellularity of adipose tissue. Lipids, 2004, 39, 1177-1185.	0.7	268
2	FATTY ACIDS AS BIOCOMPOUNDS: THEIR ROLE IN HUMAN METABOLISM, HEALTH AND DISEASE - A REVIEW. PART 1: CLASSIFICATION, DIETARY SOURCES AND BIOLOGICAL FUNCTIONS. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2011, 155, 117-130.	0.2	252
3	Metabolic Effects of n-3 PUFA as Phospholipids Are Superior to Triglycerides in Mice Fed a High-Fat Diet: Possible Role of Endocannabinoids. PLoS ONE, 2012, 7, e38834.	1.1	188
4	Antioxidative enzymes and increased oxidative stress in depressive women. Clinical Biochemistry, 2009, 42, 1368-1374.	0.8	162
5	FATTY ACIDS AS BIOCOMPOUNDS: THEIR ROLE IN HUMAN METABOLISM, HEALTH AND DISEASE - A REVIEW. PART 2: FATTY ACID PHYSIOLOGICAL ROLES AND APPLICATIONS IN HUMAN HEALTH AND DISEASE. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2011, 155, 195-218.	0.2	139
6	n-3 PUFA: bioavailability and modulation of adipose tissue function. Proceedings of the Nutrition Society, 2009, 68, 361-369.	0.4	118
7	Omega-3 phospholipids from fish suppress hepatic steatosis by integrated inhibition of biosynthetic pathways in dietary obese mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 267-278.	1.2	69
8	Analysis of fatty acids in plasma lipoproteins by gas chromatographyâ€“flame ionization detection. Analytica Chimica Acta, 2002, 465, 337-350.	2.6	66
9	Quercetin Induces Hepatic Lipid Omega-Oxidation and Lowers Serum Lipid Levels in Mice. PLoS ONE, 2013, 8, e51588.	1.1	66
10	N-3 fatty acid supplementation decreases plasma homocysteine in diabetic dyslipidemia treated with statinâ€“fibrate combination. Journal of Nutritional Biochemistry, 2006, 17, 379-384.	1.9	55
11	Assessment of dietary and genetic factors influencing serum and adipose fatty acid composition in obese female identical twins. Lipids, 2002, 37, 27-32.	0.7	45
12	Altered Activities of Antioxidant Enzymes in Patients with Metabolic Syndrome. Obesity Facts, 2013, 6, 39-47.	1.6	41
13	System Model Network for Adipose Tissue Signatures Related to Weight Changes in Response to Calorie Restriction and Subsequent Weight Maintenance. PLoS Computational Biology, 2015, 11, e1004047.	1.5	41
14	Chronic hypoxia alters fatty acid composition of phospholipids in right and left ventricular myocardium. Molecular and Cellular Biochemistry, 2002, 232, 49-56.	1.4	32
15	Simple and rapid procedure for the determination of individual free fatty acids in serum. Analytica Chimica Acta, 2002, 465, 433-439.	2.6	30
16	Severity of Metabolic Syndrome Unfavorably Influences Oxidative Stress and Fatty Acid Metabolism in Men. Tohoku Journal of Experimental Medicine, 2007, 212, 359-371.	0.5	27
17	Niacin in the Treatment of Hyperlipidemias in Light of New Clinical Trials: Has Niacin Lost its Place?. Medical Science Monitor, 2015, 21, 2156-2162.	0.5	24
18	Comprehensive sterol and fatty acid analysis in nineteen nuts, seeds, and kernel. SN Applied Sciences, 2019, 1, 1.	1.5	23

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19	Divergent changes in serum sterols during a strict uncooked vegan diet in patients with rheumatoid arthritis. British Journal of Nutrition, 2001, 85, 137-139.	1.2	22
20	Automated quantitative gasâ€"liquid chromatography of intact lipids. Biomedical Applications, 1978, 146, 241-251.	1.7	21
21	Pleiotropic effects of niacin: Current possibilities for its clinical use. Acta Pharmaceutica, 2016, 66, 449-469.	0.9	21
22	Corn oil versus lard: Metabolic effects of omega-3 fatty acids in mice fed obesogenic diets with different fatty acid composition. Biochimie, 2016, 124, 150-162.	1.3	21
23	Identification of very-long-chain fatty acids in rat and mouse Harderian gland lipids by capillary gas chromatographyâ€"mass spectrometry. Biomedical Applications, 1988, 431, 231-238.	1.7	20
24	The influence of polymorphism of â^'493G/T MTP gene promoter and metabolic syndrome on lipids, fatty acids and oxidative stress. Journal of Nutritional Biochemistry, 2008, 19, 634-641.	1.9	18
25	Fatty Acid CoA Ligase-4 Gene Polymorphism Influences Fatty Acid Metabolism in Metabolic Syndrome, but not in Depression. Tohoku Journal of Experimental Medicine, 2009, 217, 287-293.	0.5	17
26	Hypolipidemic Drugs Can Change the Composition of Rat Brain Lipids. Tohoku Journal of Experimental Medicine, 2004, 204, 299-308.	0.5	15
27	Gas Chromatographic Study of Cholesterol Esterification during Postheparin Lipolysis in Vitro in Hypertriglyceridemia. Scandinavian Journal of Clinical and Laboratory Investigation, 1978, 38, 134-137.	0.6	14
28	Simplified gas chromatographic method for the simultaneous determination of phytosterols and cholesterol. Biomedical Applications, 1991, 563, 188-192.	1.7	14
29	Postnatal development of phospholipids and their fatty acid profile in rat heart. Molecular and Cellular Biochemistry, 2006, 293, 23-33.	1.4	14
30	Automated quantitative gasâ€"liquid chromatography of intact lipids. Biomedical Applications, 1979, 164, 331-343.	1.7	13
31	Higher Content of 18:1 Trans Fatty Acids in Subcutaneous Fat of Persons with Coronarographically Documented Atherosclerosis of the Coronary Arteries. Annals of Nutrition and Metabolism, 2003, 47, 302-305.	1.0	12
32	Increased plasma levels of palmitoleic acid may contribute to beneficial effects of Krill oil on glucose homeostasis in dietary obese mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158732.	1.2	12
33	Corticosteroid effect on Caco-2 cell lipids depends on cell differentiation. Journal of Steroid Biochemistry and Molecular Biology, 2003, 87, 157-165.	1.2	11
34	Chronic pancreatitis and the composition of plasma phosphatidylcholine fatty acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2016, 108, 38-44.	1.0	11
35	Some limitations of plasma lipid analysis in clinical research by thin-layer chromatography with flame-ionization detection. Biomedical Applications, 1990, 530, 424-431.	1.7	10
36	Protein Kinase C Activity and Isoform Expression During Early Postnatal Development of Rat Myocardium. Cell Biochemistry and Biophysics, 2005, 43, 105-118.	0.9	10

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37	Serum Adiponectin Relates to Shortened Overall Survival in Men with Squamous Cell Esophageal Cancer Treated with Preoperative Concurrent Chemoradiotherapy: A Pilot Study. Medical Science Monitor, 2014, 20, 2351-2357.	0.5	10
38	Trans Fatty Acids in Subcutaneous Fat of Pregnant Women and in Human Milk in the Czech Republic. Annals of the New York Academy of Sciences, 2002, 967, 544-547.	1.8	9
39	Simultaneous Capillary Gas Chromatographic Determination of Cyproterone Acetate and Ethynylestradiol in Pharmaceuticals. Analytical Letters, 1991, 24, 1559-1569.	1.0	8
40	High-performance liquid chromatographic determination of equine estrogens with ultraviolet absorbance and electrochemical detection. Journal of Chromatography A, 1994, 678, 359-363.	1.8	8
41	Changes in the liver, kidney and heart fatty acid composition following administration of ibuprofen to mice. Biomedical Applications, 1994, 656, 51-57.	1.7	8
42	Gasâ€"liquid chromatographic analysis of intact long-chain triglycerides. Biomedical Applications, 1983, 273, 172-179.	1.7	7
43	Oxidation of organic compounds with electrolytically generated oxidant. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1972, 34, 515-519.	0.3	6
44	Aldosterone alters the phospholipid composition of rat colonocytes. Journal of Steroid Biochemistry and Molecular Biology, 2000, 73, 11-17.	1.2	6
45	Effect of column and software on gas chromatographic determination of fatty acids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 91-99.	1.2	6
46	Capillary gas chromatographic determination of underivatized equine estrogens in pharmaceuticals. Journal of High Resolution Chromatography, 1991, 14, 495-498.	2.0	5
47	Effect of hypo- and hyperthyroid states on phospholipid composition in developing rat heart. Molecular and Cellular Biochemistry, 2003, 252, 295-303.	1.4	5
48	Fatty Acid Composition of Plasma Phosphatidylcholine Determines Body Fat Parameters in Subjects with Metabolic Syndrome-Related Traits. Metabolic Syndrome and Related Disorders, 2017, 15, 371-378.	0.5	5
49	FADS1 gene polymorphism(s) and fatty acid composition of serum lipids in adolescents. Lipids, 2021, 56, 499-508.	0.7	5
50	Phospholipid Composition of Immature Rat Myocardium Exposed to Chronic Hypoxia and the Effect of Normoxic Recovery. Collection of Czechoslovak Chemical Communications, 2004, 69, 674-688.	1.0	3
51	Capillary Gas-Chromatographic Retention Behavior and Physico-Chemical Properties of Underivatized Equine Estrogens. Collection of Czechoslovak Chemical Communications, 1995, 60, 813-819.	1.0	2
52	Relationships between Fatty Acid Composition and Insulin?induced Oxidizability of Low?Density Lipoproteins in Healthy Men. Annals of the New York Academy of Sciences, 1997, 827, 269-278.	1.8	2
53	The Effect of Partly Replacing Vegetable Fat with Bovine Milk Fat in Infant Formula on Postprandial Lipid and Energy Metabolism: A Proofâ€ofâ€principle Study in Healthy Young Male Adults. Molecular Nutrition and Food Research, 2021, 65, 2000848.	1.5	2
54	Simultaneous Capillary Gas Chromatographic Determination of Cyproterone Acetate and 15Î²-Hydroxycyproterone Acetate in Urine. Analytical Letters, 1993, 26, 1657-1667.	1.0	1

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55	Phospholipid composition in mitochondria of pressure overloaded maturating rat heart. Journal of Molecular and Cellular Cardiology, 2002, 34, A87.	0.9	1
56	Effects of Selected Anthropometric Parameters on Plasma Lipoproteins, Fatty Acid Composition, and Lipoperoxidation. Annals of the New York Academy of Sciences, 2002, 967, 522-527.	1.8	1
57	Lipid fatty acid profile in the heart of chronically hypoxic rats: Effect of acute ischemia. Journal of Molecular and Cellular Cardiology, 2002, 34, A31.	0.9	0
58	Associations of Serum Uric Acid with Endogenous Cholesterol Synthesis Indices in Men with High Cardiometabolic Risk. Metabolic Syndrome and Related Disorders, 2020, 18, 212-218.	0.5	0