

# Eva Tvrzicka

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

1,626  
citations

18  
h-index

39  
g-index

59  
ext. papers

1,810  
ext. citations

3.7  
avg, IF

3.94  
L-index

#	Paper	IF	Citations
56	The Effect of Partly Replacing Vegetable Fat with Bovine Milk Fat in Infant Formula on Postprandial Lipid and Energy Metabolism: A Proof-of-principle Study in Healthy Young Male Adults. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2000848	5.9	1
55	FADS1 gene polymorphism(s) and fatty acid composition of serum lipids in adolescents. <i>Lipids</i> , <b>2021</b> , 56, 499-508	1.6	0
54	Associations of Serum Uric Acid with Endogenous Cholesterol Synthesis Indices in Men with High Cardiometabolic Risk. <i>Metabolic Syndrome and Related Disorders</i> , <b>2020</b> , 18, 212-218	2.6	
53	Increased plasma levels of palmitoleic acid may contribute to beneficial effects of Krill oil on glucose homeostasis in dietary obese mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2020</b> , 1865, 158732	5	4
52	Comprehensive sterol and fatty acid analysis in nineteen nuts, seeds, and kernel. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	9
51	Fatty Acid Composition of Plasma Phosphatidylcholine Determines Body Fat Parameters in Subjects with Metabolic Syndrome-Related Traits. <i>Metabolic Syndrome and Related Disorders</i> , <b>2017</b> , 15, 371-378	2.6	2
50	Corn oil versus lard: Metabolic effects of omega-3 fatty acids in mice fed obesogenic diets with different fatty acid composition. <i>Biochimie</i> , <b>2016</b> , 124, 150-162	4.6	18
49	Pleiotropic effects of niacin: Current possibilities for its clinical use. <i>Acta Pharmaceutica</i> , <b>2016</b> , 66, 449-462	4.9	11
48	Chronic pancreatitis and the composition of plasma phosphatidylcholine fatty acids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2016</b> , 108, 38-44	2.8	6
47	System model network for adipose tissue signatures related to weight changes in response to calorie restriction and subsequent weight maintenance. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004047	5	28
46	Niacin in the Treatment of Hyperlipidemias in Light of New Clinical Trials: Has Niacin Lost its Place?. <i>Medical Science Monitor</i> , <b>2015</b> , 21, 2156-62	3.2	15
45	Omega-3 phospholipids from fish suppress hepatic steatosis by integrated inhibition of biosynthetic pathways in dietary obese mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1841, 267-78	5	57
44	Serum adiponectin relates to shortened overall survival in men with squamous cell esophageal cancer treated with preoperative concurrent chemoradiotherapy: a pilot study. <i>Medical Science Monitor</i> , <b>2014</b> , 20, 2351-7	3.2	8
43	Altered activities of antioxidant enzymes in patients with metabolic syndrome. <i>Obesity Facts</i> , <b>2013</b> , 6, 39-47	5.1	31
42	Quercetin induces hepatic lipid omega-oxidation and lowers serum lipid levels in mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e51588	3.7	55
41	Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. <i>PLoS ONE</i> , <b>2012</b> , 7, e38834	3.7	169
40	Fatty acids as biocompounds: their role in human metabolism, health and disease--a review. Part 1: classification, dietary sources and biological functions. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , <b>2011</b> , 155, 117-30	1.7	167

39	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. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , <b>2011</b> , 155, 195-218	1.7	112
38	Antioxidative enzymes and increased oxidative stress in depressive women. <i>Clinical Biochemistry</i> , <b>2009</b> , 42, 1368-74	3.5	136
37	n-3 PUFA: bioavailability and modulation of adipose tissue function. <i>Proceedings of the Nutrition Society</i> , <b>2009</b> , 68, 361-9	2.9	102
36	Fatty acid CoA ligase-4 gene polymorphism influences fatty acid metabolism in metabolic syndrome, but not in depression. <i>Tohoku Journal of Experimental Medicine</i> , <b>2009</b> , 217, 287-93	2.4	13
35	The influence of polymorphism of -493G/T MTP gene promoter and metabolic syndrome on lipids, fatty acids and oxidative stress. <i>Journal of Nutritional Biochemistry</i> , <b>2008</b> , 19, 634-41	6.3	18
34	Severity of metabolic syndrome unfavorably influences oxidative stress and fatty acid metabolism in men. <i>Tohoku Journal of Experimental Medicine</i> , <b>2007</b> , 212, 359-71	2.4	19
33	N-3 fatty acid supplementation decreases plasma homocysteine in diabetic dyslipidemia treated with statin-fibrate combination. <i>Journal of Nutritional Biochemistry</i> , <b>2006</b> , 17, 379-84	6.3	46
32	Postnatal development of phospholipids and their fatty acid profile in rat heart. <i>Molecular and Cellular Biochemistry</i> , <b>2006</b> , 293, 23-33	4.2	10
31	Protein kinase C activity and isoform expression during early postnatal development of rat myocardium. <i>Cell Biochemistry and Biophysics</i> , <b>2005</b> , 43, 105-17	3.2	8
30	Omega-3 PUFA of marine origin limit diet-induced obesity in mice by reducing cellularity of adipose tissue. <i>Lipids</i> , <b>2004</b> , 39, 1177-85	1.6	233
29	Hypolipidemic drugs can change the composition of rat brain lipids. <i>Tohoku Journal of Experimental Medicine</i> , <b>2004</b> , 204, 299-308	2.4	15
28	Phospholipid Composition of Immature Rat Myocardium Exposed to Chronic Hypoxia and the Effect of Normoxic Recovery. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2004</b> , 69, 674-688		2
27	Effect of hypo- and hyperthyroid states on phospholipid composition in developing rat heart. <i>Molecular and Cellular Biochemistry</i> , <b>2003</b> , 252, 295-303	4.2	4
26	Corticosteroid effect on Caco-2 cell lipids depends on cell differentiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2003</b> , 87, 157-65	5.1	11
25	Higher content of 18:1 trans fatty acids in subcutaneous fat of persons with coronarographically documented atherosclerosis of the coronary arteries. <i>Annals of Nutrition and Metabolism</i> , <b>2003</b> , 47, 302-5	4.5	11
24	Effects of selected anthropometric parameters on plasma lipoproteins, fatty acid composition, and lipoperoxidation. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 967, 522-7	6.5	1
23	Trans fatty acids in subcutaneous fat of pregnant women and in human milk in the Czech Republic. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 967, 544-7	6.5	8
22	Assessment of dietary and genetic factors influencing serum and adipose fatty acid composition in obese female identical twins. <i>Lipids</i> , <b>2002</b> , 37, 27-32	1.6	37

21	Effect of column and software on gas chromatographic determination of fatty acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2002</b> , 770, 91-9	3.2	4
20	Analysis of fatty acids in plasma lipoproteins by gas chromatography-flame ionization detection. <i>Analytica Chimica Acta</i> , <b>2002</b> , 465, 337-350	6.6	56
19	Simple and rapid procedure for the determination of individual free fatty acids in serum. <i>Analytica Chimica Acta</i> , <b>2002</b> , 465, 433-439	6.6	24
18	Chronic hypoxia alters fatty acid composition of phospholipids in right and left ventricular myocardium. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 232, 49-56	4.2	27
17	Divergent changes in serum sterols during a strict uncooked vegan diet in patients with rheumatoid arthritis. <i>British Journal of Nutrition</i> , <b>2001</b> , 85, 137-9	3.6	15
16	Aldosterone alters the phospholipid composition of rat colonocytes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2000</b> , 73, 11-7	5.1	6
15	Relationships between fatty acid composition and insulin-induced oxidizability of low-density lipoproteins in healthy men. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 827, 269-78	6.5	1
14	Capillary Gas-Chromatographic Retention Behavior and Physico-Chemical Properties of Underivatized Equine Estrogens. <i>Collection of Czechoslovak Chemical Communications</i> , <b>1995</b> , 60, 813-819		2
13	High-performance liquid chromatographic determination of equine estrogens with ultraviolet absorbance and electrochemical detection. <i>Journal of Chromatography A</i> , <b>1994</b> , 678, 359-363	4.5	8
12	Changes in the liver, kidney and heart fatty acid composition following administration of ibuprofen to mice. <i>Biomedical Applications</i> , <b>1994</b> , 656, 51-7		7
11	Simultaneous Capillary Gas Chromatographic Determination of Cyproterone Acetate and 15 $\beta$ -Hydroxycyproterone Acetate in Urine. <i>Analytical Letters</i> , <b>1993</b> , 26, 1657-1667	2.2	1
10	Simplified gas chromatographic method for the simultaneous determination of phytosterols and cholesterol. <i>Biomedical Applications</i> , <b>1991</b> , 563, 188-92		12
9	Capillary gas chromatographic determination of underivatized equine estrogens in pharmaceuticals. <i>Journal of High Resolution Chromatography</i> , <b>1991</b> , 14, 495-498		5
8	Simultaneous Capillary Gas Chromatographic Determination of Cyproterone Acetate and Ethynylestradiol in Pharmaceuticals. <i>Analytical Letters</i> , <b>1991</b> , 24, 1559-1569	2.2	8
7	Some limitations of plasma lipid analysis in clinical research by thin-layer chromatography with flame-ionization detection. <i>Biomedical Applications</i> , <b>1990</b> , 530, 424-31		8
6	Identification of very-long-chain fatty acids in rat and mouse harderian gland lipids by capillary gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , <b>1988</b> , 431, 231-8		18
5	Gas-liquid chromatographic analysis of intact long-chain triglycerides. <i>Biomedical Applications</i> , <b>1983</b> , 273, 172-179		7
4	Automated quantitative gas-liquid chromatography of intact lipids. <i>Biomedical Applications</i> , <b>1979</b> , 164, 331-343		11

- 3 Automated quantitative gas-liquid chromatography of intact lipids. *Biomedical Applications*, **1978**, 146, 241-251 20
- 2 Gas Chromatographic Study of Cholesterol Esterification during Postheparin Lipolysis in Vitro in Hypertriglyceridemia. *Scandinavian Journal of Clinical and Laboratory Investigation*, **1978**, 38, 134-137 2 14
- 1 Oxidation of organic compounds with electrolytically generated oxidant. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1972**, 34, 515-519 4