

Eva Tvrzicka

List of Publications by Citations

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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 | Omega-3 PUFA of marine origin limit diet-induced obesity in mice by reducing cellularity of adipose tissue. <i>Lipids</i> , 2004 , 39, 1177-85 | 1.6 | 233 |
| 55 | 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> , 2012 , 7, e38834 | 3.7 | 169 |
| 54 | 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&#x0301;, Olomouc, Czechoslovakia</i> , 2011 , 155, 117-30 | 1.7 | 167 |
| 53 | Antioxidative enzymes and increased oxidative stress in depressive women. <i>Clinical Biochemistry</i> , 2009 , 42, 1368-74 | 3.5 | 136 |
| 52 | 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&#x0301;, Olomouc, Czechoslovakia</i> , 2011 , 155, 195-218 | 1.7 | 112 |
| 51 | n-3 PUFA: bioavailability and modulation of adipose tissue function. <i>Proceedings of the Nutrition Society</i> , 2009 , 68, 361-9 | 2.9 | 102 |
| 50 | 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> , 2014 , 1841, 267-78 | 5 | 57 |
| 49 | Analysis of fatty acids in plasma lipoproteins by gas chromatography-flame ionization detection. <i>Analytica Chimica Acta</i> , 2002 , 465, 337-350 | 6.6 | 56 |
| 48 | Quercetin induces hepatic lipid omega-oxidation and lowers serum lipid levels in mice. <i>PLoS ONE</i> , 2013 , 8, e51588 | 3.7 | 55 |
| 47 | N-3 fatty acid supplementation decreases plasma homocysteine in diabetic dyslipidemia treated with statin-fibrate combination. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 379-84 | 6.3 | 46 |
| 46 | Assessment of dietary and genetic factors influencing serum and adipose fatty acid composition in obese female identical twins. <i>Lipids</i> , 2002 , 37, 27-32 | 1.6 | 37 |
| 45 | Altered activities of antioxidant enzymes in patients with metabolic syndrome. <i>Obesity Facts</i> , 2013 , 6, 39-47 | 5.1 | 31 |
| 44 | 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> , 2015 , 11, e1004047 | 5 | 28 |
| 43 | Chronic hypoxia alters fatty acid composition of phospholipids in right and left ventricular myocardium. <i>Molecular and Cellular Biochemistry</i> , 2002 , 232, 49-56 | 4.2 | 27 |
| 42 | Simple and rapid procedure for the determination of individual free fatty acids in serum. <i>Analytica Chimica Acta</i> , 2002 , 465, 433-439 | 6.6 | 24 |
| 41 | Automated quantitative gas-liquid chromatography of intact lipids. <i>Biomedical Applications</i> , 1978 , 146, 241-251 | | 20 |
| 40 | Severity of metabolic syndrome unfavorably influences oxidative stress and fatty acid metabolism in men. <i>Tohoku Journal of Experimental Medicine</i> , 2007 , 212, 359-71 | 2.4 | 19 |

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|----|---|-----|----|
| 39 | Corn oil versus lard: Metabolic effects of omega-3 fatty acids in mice fed obesogenic diets with different fatty acid composition. <i>Biochimie</i> , 2016 , 124, 150-162 | 4.6 | 18 |
| 38 | 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> , 2008 , 19, 634-41 | 6.3 | 18 |
| 37 | Identification of very-long-chain fatty acids in rat and mouse harderian gland lipids by capillary gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1988 , 431, 231-8 | | 18 |
| 36 | Niacin in the Treatment of Hyperlipidemias in Light of New Clinical Trials: Has Niacin Lost its Place?. <i>Medical Science Monitor</i> , 2015 , 21, 2156-62 | 3.2 | 15 |
| 35 | Hypolipidemic drugs can change the composition of rat brain lipids. <i>Tohoku Journal of Experimental Medicine</i> , 2004 , 204, 299-308 | 2.4 | 15 |
| 34 | Divergent changes in serum sterols during a strict uncooked vegan diet in patients with rheumatoid arthritis. <i>British Journal of Nutrition</i> , 2001 , 85, 137-9 | 3.6 | 15 |
| 33 | Gas Chromatographic Study of Cholesterol Esterification during Postheparin Lipolysis in Vitro in Hypertriglyceridemia. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1978 , 38, 134-137 | 2 | 14 |
| 32 | 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> , 2009 , 217, 287-93 | 2.4 | 13 |
| 31 | Simplified gas chromatographic method for the simultaneous determination of phytosterols and cholesterol. <i>Biomedical Applications</i> , 1991 , 563, 188-92 | | 12 |
| 30 | Pleiotropic effects of niacin: Current possibilities for its clinical use. <i>Acta Pharmaceutica</i> , 2016 , 66, 449-462 | | 11 |
| 29 | Corticosteroid effect on Caco-2 cell lipids depends on cell differentiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 87, 157-65 | 5.1 | 11 |
| 28 | 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> , 2003 , 47, 302-4.5 | 4.5 | 11 |
| 27 | Automated quantitative gas/liquid chromatography of intact lipids. <i>Biomedical Applications</i> , 1979 , 164, 331-343 | | 11 |
| 26 | Postnatal development of phospholipids and their fatty acid profile in rat heart. <i>Molecular and Cellular Biochemistry</i> , 2006 , 293, 23-33 | 4.2 | 10 |
| 25 | Comprehensive sterol and fatty acid analysis in nineteen nuts, seeds, and kernel. <i>SN Applied Sciences</i> , 2019 , 1, 1 | 1.8 | 9 |
| 24 | 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> , 2002 , 967, 544-7 | 6.5 | 8 |
| 23 | Protein kinase C activity and isoform expression during early postnatal development of rat myocardium. <i>Cell Biochemistry and Biophysics</i> , 2005 , 43, 105-17 | 3.2 | 8 |
| 22 | High-performance liquid chromatographic determination of equine estrogens with ultraviolet absorbance and electrochemical detection. <i>Journal of Chromatography A</i> , 1994 , 678, 359-363 | 4.5 | 8 |

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| 21 | Some limitations of plasma lipid analysis in clinical research by thin-layer chromatography with flame-ionization detection. <i>Biomedical Applications</i> , 1990 , 530, 424-31 | | 8 |
| 20 | Simultaneous Capillary Gas Chromatographic Determination of Cyproterone Acetate and Ethynylestradiol in Pharmaceuticals. <i>Analytical Letters</i> , 1991 , 24, 1559-1569 | 2.2 | 8 |
| 19 | 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> , 2014 , 20, 2351-7 | 3.2 | 8 |
| 18 | Changes in the liver, kidney and heart fatty acid composition following administration of ibuprofen to mice. <i>Biomedical Applications</i> , 1994 , 656, 51-7 | | 7 |
| 17 | Gas-liquid chromatographic analysis of intact long-chain triglycerides. <i>Biomedical Applications</i> , 1983 , 273, 172-179 | | 7 |
| 16 | Aldosterone alters the phospholipid composition of rat colonocytes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000 , 73, 11-7 | 5.1 | 6 |
| 15 | Chronic pancreatitis and the composition of plasma phosphatidylcholine fatty acids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 108, 38-44 | 2.8 | 6 |
| 14 | Capillary gas chromatographic determination of underivatized equine estrogens in pharmaceuticals. <i>Journal of High Resolution Chromatography</i> , 1991 , 14, 495-498 | | 5 |
| 13 | 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> , 2002 , 770, 91-9 | 3.2 | 4 |
| 12 | Effect of hypo- and hyperthyroid states on phospholipid composition in developing rat heart. <i>Molecular and Cellular Biochemistry</i> , 2003 , 252, 295-303 | 4.2 | 4 |
| 11 | Oxidation of organic compounds with electrolytically generated oxidant. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1972 , 34, 515-519 | | 4 |
| 10 | 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> , 2020 , 1865, 158732 | 5 | 4 |
| 9 | Fatty Acid Composition of Plasma Phosphatidylcholine Determines Body Fat Parameters in Subjects with Metabolic Syndrome-Related Traits. <i>Metabolic Syndrome and Related Disorders</i> , 2017 , 15, 371-378 | 2.6 | 2 |
| 8 | Capillary Gas-Chromatographic Retention Behavior and Physico-Chemical Properties of Underivatized Equine Estrogens. <i>Collection of Czechoslovak Chemical Communications</i> , 1995 , 60, 813-819 | | 2 |
| 7 | Phospholipid Composition of Immature Rat Myocardium Exposed to Chronic Hypoxia and the Effect of Normoxic Recovery. <i>Collection of Czechoslovak Chemical Communications</i> , 2004 , 69, 674-688 | | 2 |
| 6 | 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> , 1997 , 827, 269-78 | 6.5 | 1 |
| 5 | Effects of selected anthropometric parameters on plasma lipoproteins, fatty acid composition, and lipoperoxidation. <i>Annals of the New York Academy of Sciences</i> , 2002 , 967, 522-7 | 6.5 | 1 |
| 4 | Simultaneous Capillary Gas Chromatographic Determination of Cyproterone Acetate and 15 β -Hydroxycyproterone Acetate in Urine. <i>Analytical Letters</i> , 1993 , 26, 1657-1667 | 2.2 | 1 |

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| 3 | 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> , 2021 , 65, e2000848 | 5.9 | 1 |
| 2 | FADS1 gene polymorphism(s) and fatty acid composition of serum lipids in adolescents. <i>Lipids</i> , 2021 , 56, 499-508 | 1.6 | 0 |
| 1 | Associations of Serum Uric Acid with Endogenous Cholesterol Synthesis Indices in Men with High Cardiometabolic Risk. <i>Metabolic Syndrome and Related Disorders</i> , 2020 , 18, 212-218 | 2.6 | |