

Ales Zak

List of Publications by Year in descending order

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68
papers

1,783
citations

331670

21
h-index

276875

41
g-index

81
all docs

81
docs citations

81
times ranked

3215
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel biochemical markers for non-invasive detection of pancreatic cancer. <i>Neoplasma</i> , 2022, 69, 474-483.	1.6	5
2	FADS Polymorphisms Affect the Clinical and Biochemical Phenotypes of Metabolic Syndrome. <i>Metabolites</i> , 2022, 12, 568.	2.9	1
3	Altered Indices of Fatty Acid Elongases ELOVL6, ELOVL5, and ELOVL2 Activities in Patients with Impaired Fasting Glycemia. <i>Metabolic Syndrome and Related Disorders</i> , 2021, 19, 386-392.	1.3	3
4	A Matched Case-Control Study of Noncholesterol Sterols and Fatty Acids in Chronic Hemodialysis Patients. <i>Metabolites</i> , 2021, 11, 774.	2.9	2
5	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.	1.3	0
6	Diagnostic criteria for the determination of clinically significant internal carotid artery stenosis using duplex ultrasound. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2020, 164, 255-260.	0.6	4
7	Dyslipidemia in patients with chronic kidney disease: etiology and management. <i>Vnitřní Lekarství</i> , 2020, 66, 275-281.	0.2	6
8	Comprehensive sterol and fatty acid analysis in nineteen nuts, seeds, and kernel. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	23
9	Fish oil supplementation with various lipid emulsions suppresses in vitro cytokine release in home parenteral nutrition patients: a crossover study. <i>Nutrition Research</i> , 2019, 72, 70-79.	2.9	5
10	Polymeric bile acid sequestrants: Review of design, in vitro binding activities, and hypocholesterolemic effects. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 300-317.	5.5	27
11	Lipid Metabolism in Patients with End-Stage Renal Disease: A Five Year Follow-up Study. <i>Current Vascular Pharmacology</i> , 2018, 16, 298-305.	1.7	3
12	Plasma Phospholipid Fatty Acid Profile is Altered in Both Septic and Non-septic Critically Ill: A Correlation with Inflammatory Markers and Albumin. <i>Lipids</i> , 2017, 52, 245-254.	1.7	17
13	Polymorphisms of SCD-1 gene, increased oxidative stress and insulin resistance in persons with elevated concentrations of apolipoprotein B48. <i>Atherosclerosis</i> , 2017, 263, e66.	0.8	0
14	Is lipoprotein subfraction analysis in patients in chronic hemodialysis reasonable? - a pilot study. <i>Atherosclerosis</i> , 2017, 263, e274.	0.8	0
15	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.	1.3	5
16	Plasma Phosphatidylcholines Fatty Acids in Men with Squamous Cell Esophageal Cancer: Chemoradiotherapy Improves Abnormal Profile. <i>Medical Science Monitor</i> , 2016, 22, 4092-4099.	1.1	8
17	Osteopontin as a discriminating marker for pancreatic cancer and chronic pancreatitis. <i>Cancer Biomarkers</i> , 2016, 17, 55-65.	1.7	21
18	Chronic pancreatitis and the composition of plasma phosphatidylcholine fatty acids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 108, 38-44.	2.2	11

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19	The Synthesis and Characterization of the Poly[<i>N</i> -vinylpyrrolidone-co-ethylidenebis(<i>N</i> -vinylpyrrolidone)] Hydrogel Matrix for Drug Delivery to the Gastrointestinal Tract. <i>Macromolecular Symposia</i> , 2016, 366, 14-22.		1
20	Pleiotropic effects of niacin: Current possibilities for its clinical use. <i>Acta Pharmaceutica</i> , 2016, 66, 449-469.	2.0	21
21	Increased inflammatory markers with altered antioxidant status persist after clinical recovery from severe sepsis: a correlation with low HDL cholesterol and albumin. <i>Clinical and Experimental Medicine</i> , 2016, 16, 557-569.	3.6	33
22	Niacin in the Treatment of Hyperlipidemias in Light of New Clinical Trials: Has Niacin Lost its Place?. <i>Medical Science Monitor</i> , 2015, 21, 2156-2162.	1.1	24
23	The prevalence of nonalcoholic liver steatosis in patients with type 2 diabetes mellitus in the Czech Republic. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2015, 159, 442-448.	0.6	10
24	Xanthomas: Clinical and pathophysiological relations. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2014, 158, 181-188.	0.6	121
25	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, 267-278.	2.4	69
26	Altered Activities of Antioxidant Enzymes in Patients with Metabolic Syndrome. <i>Obesity Facts</i> , 2013, 6, 39-47.	3.4	41
27	Relationship between serum bilirubin and uric acid to oxidative stress markers in Italian and Czech populations. <i>Journal of Applied Biomedicine</i> , 2013, 11, 209-221.	1.7	9
28	Antioxidant Status and Oxidative Stress Markers in Pancreatic Cancer and Chronic Pancreatitis. <i>Pancreas</i> , 2013, 42, 614-621.	1.1	70
29	Fatty acid composition of commercially available nutrition supplements. <i>Czech Journal of Food Sciences</i> , 2013, 31, 241-248.	1.2	11
30	Ferritin as an independent mortality predictor in patients with pancreas cancer. Results of a pilot study. <i>Tumor Biology</i> , 2012, 33, 1695-1700.	1.8	41
31	Plasma Fatty Acid Composition in Patients with Pancreatic Cancer: Correlations to Clinical Parameters. <i>Nutrition and Cancer</i> , 2012, 64, 946-955.	2.0	43
32	Lipid-lowering effect of fluvastatin in relation to cytochrome P450 2C9 variant alleles frequently distributed in the Czech population. <i>Medical Science Monitor</i> , 2012, 18, CR512-CR517.	1.1	24
33	Improvements in colorectal cancer screening programmes - quantitative immunochemical faecal occult blood testing - how to set the cut-off for a particular population. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2012, 156, 143-150.	0.6	6
34	Statin use and serum bilirubin levels. <i>Atherosclerosis</i> , 2011, 219, 969.	0.8	5
35	Leptin and adiponectin in pancreatic cancer: connection with diabetes mellitus. <i>Neoplasma</i> , 2011, 58, 58-64.	1.6	30
36	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, 117-130.	0.6	252

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37	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.	0.6	139
38	Decreased paraoxonase activity in critically ill patients with sepsis. Clinical and Experimental Medicine, 2010, 10, 21-25.	3.6	75
39	Soluble receptor for advanced glycation end-products (sRAGE) and polymorphisms of RAGE and glyoxalase I genes in patients with pancreas cancer. Clinical Biochemistry, 2010, 43, 882-886.	1.9	47
40	Antioxidative enzymes and increased oxidative stress in depressive women. Clinical Biochemistry, 2009, 42, 1368-1374.	1.9	162
41	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.	1.2	17
42	Polymorphism -23HPHl in the promoter of insulin gene and pancreatic cancer: A pilot study. Neoplasma, 2009, 56, 26-32.	1.6	16
43	The influence of polymorphism of \sim 493G/T MTP gene promoter and metabolic syndrome on lipids, fatty acids and oxidative stress. Journal of Nutritional Biochemistry, 2008, 19, 634-641.	4.2	18
44	PLASMA HOMOCYSTEINE AND INDICES OF AN OXIDATIVE STRESS IN DEPRESSIVE DISORDER. Atherosclerosis Supplements, 2008, 9, 257.	1.2	0
45	Severity of Metabolic Syndrome Unfavorably Influences Oxidative Stress and Fatty Acid Metabolism in Men. Tohoku Journal of Experimental Medicine, 2007, 212, 359-371.	1.2	27
46	Resting energy expenditure and thermal balance during isothermic and thermoneutral haemodialysis heat production does not explain increased body temperature during haemodialysis. Nephrology Dialysis Transplantation, 2007, 22, 3553-3560.	0.7	16
47	A genomically/chemically complete module for synthesis of lipid membrane in a minimal cell. Biotechnology and Bioengineering, 2007, 97, 397-409.	3.3	15
48	Mo-P6:448 Fatty acid binding protein 2 gene polymorphisms: Connection with plasma and VLDL triglyceride levels. Atherosclerosis Supplements, 2006, 7, 144-145.	1.2	0
49	N-3 fatty acid supplementation decreases plasma homocysteine in diabetic dyslipidemia treated with statin-fibrate combination. Journal of Nutritional Biochemistry, 2006, 17, 379-384.	4.2	55
50	Hypolipidemic Drugs Can Change the Composition of Rat Brain Lipids. Tohoku Journal of Experimental Medicine, 2004, 204, 299-308.	1.2	15
51	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.	1.9	12
52	Assessment of dietary and genetic factors influencing serum and adipose fatty acid composition in obese female identical twins. Lipids, 2002, 37, 27-32.	1.7	45
53	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.	2.3	6
54	Analysis of fatty acids in plasma lipoproteins by gas chromatography-flame ionization detection. Analytica Chimica Acta, 2002, 465, 337-350.	5.4	66

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55	The Responses of Serum and Adipose Fatty Acids to a One-Year Weight Reduction Regimen in Female Obese Monozygotic Twins. <i>Annals of the New York Academy of Sciences</i> , 2002, 967, 311-323.	3.8	20
56	Treatment of Hypertriglyceridemia with Fenofibrate, Fatty Acid Composition of Plasma and LDL, and Their Relations to Parameters of Lipoperoxidation of LDL. <i>Annals of the New York Academy of Sciences</i> , 2002, 967, 336-341.	3.8	6
57	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, 522-527.	3.8	1
58	Significance of fat distribution for VLDL and LDL composition and parameters of lipoperoxidation. <i>Atherosclerosis</i> , 1999, 144, 62.	0.8	0
59	Relationships of insulinaemia and obesity to fatty acid composition and parameters of lipoperoxidation of VLDL and LDL. <i>Atherosclerosis</i> , 1999, 144, 62.	0.8	0
60	Chromium levels in patients with internal diseases. <i>IUBMB Life</i> , 1998, 46, 365-374.	3.4	15
61	4.P.108 Glucose tolerance and fatty acid composition of the major plasma lipid classes in hyperlipoproteinemic patients. <i>Atherosclerosis</i> , 1997, 134, 318.	0.8	0
62	4.P.71 Effect of aminoguanidine and vitamin E treatment on the oxidative modification of lipoproteins in diabetic rats. <i>Atherosclerosis</i> , 1997, 134, 310-311.	0.8	0
63	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, 269-278.	3.8	2
64	Increased Lipoprotein Oxidability and Aortic Lipid Peroxidation in an Experimental Model of Insulin Resistance Syndrome. <i>Annals of the New York Academy of Sciences</i> , 1997, 827, 521-525.	3.8	12
65	Effect of 4-wk treatment of obesity by very-low-calorie diet on anthropometric, metabolic, and hormonal indexes. <i>American Journal of Clinical Nutrition</i> , 1992, 56, 281S-282S.	4.7	16
66	Effects of dietary n-3 fatty acids on the composition of cholesteryl esters and triglycerides in plasma and liver perfusate of the rat. <i>Journal of Nutritional Biochemistry</i> , 1990, 1, 472-477.	4.2	1
67	Elevation of High Density Lipoproteins in Acromegalics after Lisuride Treatment. <i>Hormone and Metabolic Research</i> , 1985, 17, 220-221.	1.5	8
68	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.	1.2	14