

Tomasz Sledzinski

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

2,112
citations

236612

25
h-index

288905

40
g-index

97
all docs

97
docs citations

97
times ranked

3432
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in lipids composition and metabolism in colorectal cancer: a review. <i>Lipids in Health and Disease</i> , 2019, 18, 29.	1.2	203
2	Role of abnormal lipid metabolism in development, progression, diagnosis and therapy of pancreatic cancer. <i>World Journal of Gastroenterology</i> , 2014, 20, 2279.	1.4	159
3	Effect of Exercise on Fatty Acid Metabolism and Adipokine Secretion in Adipose Tissue. <i>Frontiers in Physiology</i> , 2019, 10, 26.	1.3	96
4	Improved glucose metabolism following bariatric surgery is associated with increased circulating bile acid concentrations and remodeling of the gut microbiome. <i>World Journal of Gastroenterology</i> , 2016, 22, 8698.	1.4	84
5	A comprehensive study of serum odd- and branched-chain fatty acids in patients with excess weight. <i>Obesity</i> , 2016, 24, 1669-1676.	1.5	78
6	Biological Role of Unsaturated Fatty Acid Desaturases in Health and Disease. <i>Nutrients</i> , 2020, 12, 356.	1.7	72
7	Alterations of specific lipid groups in serum of obese humans: a review. <i>Obesity Reviews</i> , 2017, 18, 247-272.	3.1	68
8	Hyper-Elongation in Colorectal Cancer Tissue – Cerotic Acid is a Potential Novel Serum Metabolic Marker of Colorectal Malignancies. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 722-730.	1.1	52
9	Identification of Cyclopropanoic Acid Hexyl in Human Adipose Tissue and Serum. <i>Lipids</i> , 2013, 48, 839-848.	0.7	45
10	Preferential uptake of polyunsaturated fatty acids by colorectal cancer cells. <i>Scientific Reports</i> , 2020, 10, 1954.	1.6	45
11	The Pathophysiological Role of CoA. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9057.	1.8	43
12	Dominant <i>ELOVL1</i> mutation causes neurological disorder with ichthyotic keratoderma, spasticity, hypomyelination and dysmorphic features. <i>Journal of Medical Genetics</i> , 2018, 55, 408-414.	1.5	41
13	Modern Methods of Sample Preparation for the Analysis of Oxylipins in Biological Samples. <i>Molecules</i> , 2019, 24, 1639.	1.7	40
14	Serum Phenylalanine Concentration as a Marker of Liver Function in Obese Patients Before and After Bariatric Surgery. <i>Obesity Surgery</i> , 2009, 19, 883-889.	1.1	38
15	The Effect of One Anastomosis Gastric Bypass on Branched-Chain Fatty Acid and Branched-Chain Amino Acid Metabolism in Subjects with Morbid Obesity. <i>Obesity Surgery</i> , 2020, 30, 304-312.	1.1	35
16	Decreased Triacylglycerol Content and Elevated Contents of Cell Membrane Lipids in Colorectal Cancer Tissue: A Lipidomic Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1095.	1.0	35
17	Increased serum chemerin concentration in patients with chronic pancreatitis. <i>Digestive and Liver Disease</i> , 2012, 44, 393-397.	0.4	34
18	Increased Serum Nitric Oxide Concentration After Bariatric Surgery – A Potential Mechanism for Cardiovascular Benefit. <i>Obesity Surgery</i> , 2010, 20, 204-210.	1.1	33

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19	A Comparative Study on the Phenolic Composition and Biological Activities of <i>Morus alba</i> L. Commercial Samples. <i>Molecules</i> , 2019, 24, 3082.	1.7	32
20	The Role of Fatty Acids in Non-Alcoholic Fatty Liver Disease Progression: An Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6900.	1.8	32
21	Decrease in Serum Protein Carbonyl Groups Concentration and Maintained Hyperhomocysteinemia in Patients Undergoing Bariatric Surgery. <i>Obesity Surgery</i> , 2009, 19, 321-326.	1.1	31
22	Methods of the Analysis of Oxylipins in Biological Samples. <i>Molecules</i> , 2020, 25, 349.	1.7	31
23	Evidence That the Length of Bile Loop Determines Serum Bile Acid Concentration and Glycemic Control After Bariatric Surgery. <i>Obesity Surgery</i> , 2018, 28, 3405-3414.	1.1	30
24	The Relationship Between Specific Fatty Acids of Serum Lipids and Serum High Sensitivity C- Reactive Protein Levels in Morbidly Obese Women. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 1101-1108.	1.1	29
25	<i>In Vivo</i> Effectiveness of Orlistat in the Suppression of Human Colorectal Cancer Cell Proliferation. <i>Anticancer Research</i> , 2019, 39, 3815-3822.	0.5	29
26	Inhibitors of Protein Tyrosine Phosphatase PTP1B With Anticancer Potential. <i>Anticancer Research</i> , 2019, 39, 3379-3384.	0.5	27
27	The effect of western diet on mice brain lipid composition. <i>Nutrition and Metabolism</i> , 2019, 16, 81.	1.3	24
28	Inhibitors of Fatty Acid Synthesis and Oxidation as Potential Anticancer Agents in Colorectal Cancer Treatment. <i>Anticancer Research</i> , 2020, 40, 4843-4856.	0.5	24
29	Association Between Cytosolic Glycerol 3-Phosphate Dehydrogenase Gene Expression in Human Subcutaneous Adipose Tissue and BMI. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 300-309.	1.1	22
30	Acyl-Coenzyme A: Cholesterol Acyltransferase Inhibition in Cancer Treatment. <i>Anticancer Research</i> , 2019, 39, 3385-3394.	0.5	22
31	Increased Serum Level of Cyclopropanoic Acid Hexyl in Patients with Hypertriglyceridemia-Related Disorders. <i>Lipids</i> , 2016, 51, 867-873.	0.7	21
32	Increased expression of the gene encoding stearoyl-CoA desaturase 1 in human bladder cancer. <i>Molecular and Cellular Biochemistry</i> , 2018, 447, 217-224.	1.4	21
33	Chemerin gene expression is regulated by food restriction and food restriction "refeeding" in rat adipose tissue but not in liver. <i>Regulatory Peptides</i> , 2013, 181, 22-29.	1.9	20
34	Visceral and subcutaneous adipose tissue stearoyl-CoA desaturase-1 mRNA levels and fatty acid desaturation index positively correlate with BMI in morbidly obese women. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 926-932.	1.0	20
35	Disorders of serum omega-3 fatty acid composition in dialyzed patients, and their associations with fat mass. <i>Renal Failure</i> , 2017, 39, 406-412.	0.8	20
36	Decrease of serum chemerin concentration in patients with end stage renal disease after successful kidney transplantation. <i>Regulatory Peptides</i> , 2012, 173, 55-59.	1.9	19

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37	The increase of serum chemerin concentration is mainly associated with the increase of body mass index in obese, non-diabetic subjects. <i>Journal of Endocrinological Investigation</i> , 2013, 36, 428-34.	1.8	19
38	The Effect of a High-Fat Diet on the Fatty Acid Composition in the Hearts of Mice. <i>Nutrients</i> , 2020, 12, 824.	1.7	18
39	Potential Application of ¹ H NMR for Routine Serum Lipidome Analysis – Evaluation of Effects of Bariatric Surgery. <i>Scientific Reports</i> , 2017, 7, 15530.	1.6	17
40	Alterations of Fatty Acid Profile May Contribute to Dyslipidemia in Chronic Kidney Disease by Influencing Hepatocyte Metabolism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2470.	1.8	16
41	Potential contribution of monounsaturated fatty acids to cardiovascular risk in chronic kidney disease. <i>Polish Archives of Internal Medicine</i> , 2018, 128, 755-763.	0.3	16
42	Current Progress of Lipid Analysis in Metabolic Diseases by Mass Spectrometry Methods. <i>Current Medicinal Chemistry</i> , 2019, 26, 60-103.	1.2	16
43	Orlistat Reduces Proliferation and Enhances Apoptosis in Human Pancreatic Cancer Cells (PANC-1). <i>Anticancer Research</i> , 2017, 37, 6321-6327.	0.5	16
44	Decreased serum essential and aromatic amino acids in patients with chronic pancreatitis. <i>World Journal of Gastroenterology</i> , 2010, 16, 4422.	1.4	16
45	Branched-Chain Fatty Acids Alter the Expression of Genes Responsible for Lipid Synthesis and Inflammation in Human Adipose Cells. <i>Nutrients</i> , 2022, 14, 2310.	1.7	16
46	Tissue specific, sex and age-related differences in the 6-phosphogluconate dehydrogenase gene expression. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 235-245.	1.2	15
47	Increased Serum Resistin Concentration in Patients With Chronic Pancreatitis. <i>Journal of Clinical Gastroenterology</i> , 2009, 43, 63-68.	1.1	15
48	Coordinated Increase in Serum Platelet-Derived Growth Factor-BB and Transforming Growth Factor- β 1 in Patients with Chronic Pancreatitis. <i>Pancreatology</i> , 2011, 11, 434-440.	0.5	15
49	Serum chemerin in children with excess body weight may be associated with ongoing metabolic complications – A pilot study. <i>Advances in Medical Sciences</i> , 2017, 62, 383-386.	0.9	15
50	Hepatocyte nuclear factors as possible C-reactive protein transcriptional inducer in the liver and white adipose tissue of rats with experimental chronic renal failure. <i>Molecular and Cellular Biochemistry</i> , 2018, 446, 11-23.	1.4	15
51	Application of nuclear magnetic resonance spectroscopy for the detection of metabolic disorders in patients with moderate kidney insufficiency. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 1-8.	1.4	14
52	Alterations in complex lipids in tumor tissue of patients with colorectal cancer. <i>Lipids in Health and Disease</i> , 2021, 20, 85.	1.2	14
53	The Causes and Potential Injurious Effects of Elevated Serum Leptin Levels in Chronic Kidney Disease Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4685.	1.8	13
54	Metallothioneins 1 and 2, but not 3, are regulated by nutritional status in rat white adipose tissue. <i>Genes and Nutrition</i> , 2016, 11, 18.	1.2	11

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55	Sample Preparation Methods for Lipidomics Approaches Used in Studies of Obesity. <i>Molecules</i> , 2020, 25, 5307.	1.7	11
56	Short-Term Effect of One-Anastomosis Gastric Bypass on Essential Fatty Acids in the Serum of Obese Patients. <i>Nutrients</i> , 2020, 12, 187.	1.7	11
57	The Effects of One-Anastomosis Gastric Bypass on Fatty Acids in the Serum of Patients with Morbid Obesity. <i>Obesity Surgery</i> , 2021, 31, 4264-4271.	1.1	9
58	Decreased serum platelet derived growth factor BB levels in acute and increased in chronic pancreatitis. <i>World Journal of Gastroenterology</i> , 2014, 20, 13127.	1.4	9
59	Surgical Removal of Perirenal and Epididymal Adipose Tissue Decreases Serum Leptin Concentration and Increases Lipogenic Enzyme Activities in Remnant Adipose Tissue of Old Rats. <i>Gerontology</i> , 2009, 55, 224-228.	1.4	8
60	Serum Cystatin C in Relation to Fat Mass Loss After Bariatric Surgery". <i>Polski Przegląd Chirurgiczny</i> , 2012, 84, 202-7.	0.2	8
61	Up-Regulation Mttp and Apob Gene Expression in Rat Liver is Related to Post-Lipectomy Hypertriglyceridemia. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 1767-1777.	1.1	8
62	Multiplatform metabolomics provides insight into the molecular basis of chronic kidney disease. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1117, 49-57.	1.2	8
63	Rearrangements of Blood and Tissue Fatty Acid Profile in Colorectal Cancer - Molecular Mechanism and Diagnostic Potential. <i>Frontiers in Oncology</i> , 2021, 11, 689701.	1.3	8
64	The Role of Adipokines and Gastrointestinal Tract Hormones in Obesity. , 2012, , 53-79.		8
65	The impact of the interplay of the intestinal microbiome and diet on the metabolomic and health outcomes of bariatric surgery. <i>Obesity Reviews</i> , 2022, 23, e13455.	3.1	8
66	White Adipose Tissue Depot-Specific Activity of Lipogenic Enzymes in Response to Fasting and Refeeding in Young and Old Rats. <i>Gerontology</i> , 2015, 61, 448-455.	1.4	7
67	Upregulation of Pnpla2 and Abhd5 and downregulation of G0s2 gene expression in mesenteric white adipose tissue as a potential reason for elevated concentration of circulating NEFA after removal of retroperitoneal, epididymal, and inguinal adipose tissue. <i>Molecular and Cellular Biochemistry</i> , 2016, 422, 21-29.	1.4	7
68	One-anastomosis gastric bypass modulates the serum levels of pro- and anti-inflammatory oxylipins, which may contribute to the resolution of inflammation. <i>International Journal of Obesity</i> , 2022, 46, 408-416.	1.6	7
69	Up-regulation of orexigenic and down-regulation of anorexigenic neuropeptide gene expression in rat hypothalamus after partial lipectomy. <i>Journal of Applied Biomedicine</i> , 2015, 13, 105-112.	0.6	6
70	One Anastomosis Gastric Bypass Reconstitutes the Appropriate Profile of Serum Amino Acids in Patients with Morbid Obesity. <i>Journal of Clinical Medicine</i> , 2020, 9, 100.	1.0	6
71	Down-regulation of Zac1 gene expression in rat white adipose tissue by androgens. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 140, 63-70.	1.2	5
72	Cyclopropaneoctanoic Acid 2â€Hexyl Upregulates the Expression of Genes Responsible for Lipid Synthesis and Release in Human Hepatic HepG2 Cells. <i>Lipids</i> , 2018, 53, 345-351.	0.7	5

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73	Decreased Serum Betaine Concentrations in Patients after Bariatric Surgery. <i>Obesity Surgery</i> , 2011, 21, 1634-1639.	1.1	4
74	Suitability of selected chromatographic columns for analysis of fatty acids in dialyzed patients. <i>Biomedical Chromatography</i> , 2017, 31, e4006.	0.8	4
75	Increased Expression of the Leptin Gene in Adipose Tissue of Patients with Chronic Kidney Disease—The Possible Role of an Abnormal Serum Fatty Acid Profile. <i>Metabolites</i> , 2020, 10, 98.	1.3	4
76	Analysis of Serum Fatty Acids Profile in Kidney Transplant Recipients. <i>Nutrients</i> , 2021, 13, 805.	1.7	4
77	Up-regulation of PCSK9 gene expression and diminished level of LDL-receptor in rat liver as a potential cause of post-lipectomy hypercholesterolemia. <i>Molecular and Cellular Biochemistry</i> , 2019, 455, 207-217.	1.4	3
78	Disorders of Serum Polyunsaturated Fatty Acids in Renal Transplant Patients. <i>Transplantation Proceedings</i> , 2020, 52, 2324-2330.	0.3	3
79	Decreased serum level of nitric oxide in children with excessive body weight. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 28, 439-446.	0.6	2
80	Serum chemerin level, cytokine profile and nutritional status in children with cystic fibrosis. <i>Acta Biochimica Polonica</i> , 2019, 66, 445-449.	0.3	2
81	Increased protein degradation as well as lactate and malate dehydrogenase activity in sterile and infected walled-off pancreatic necrosis. <i>Polish Archives of Internal Medicine</i> , 2016, 126, 102-105.	0.3	2
82	One Anastomosis Gastric Bypass in the Treatment of Obesity: Effects on Body Weight and the Metabolome. , 2020, , 777-790.		2
83	Enhanced Muscle Strength in Dyslipidemic Mice and Its Relation to Increased Capacity for Fatty Acid Oxidation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12251.	1.8	2
84	Increased protein degradation as well as lactate and malate dehydrogenase activity in sterile and infected walled-off pancreatic necrosis. , 2016, 126, 102-5.		2
85	Serum n-3 Polyunsaturated Fatty Acids and C-Reactive Protein Concentrations Are Inversely Associated in Patients With Alcoholic Chronic Pancreatitis. <i>Pancreas</i> , 2022, 51, e67-e69.	0.5	2
86	Gender- and age-related changes in 6-phosphogluconate dehydrogenase gene expression in white adipose tissue of rats (<i>Rattus norvegicus</i>) are not related to serum testosterone concentration. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 70-76.	0.7	1
87	Exercise and Conjugated Linoleic Acid Supplementation Induce Changes in the Composition of Liver Fatty Acids. <i>Frontiers in Physiology</i> , 2019, 10, 602.	1.3	1
88	High levels of reactive oxygen species in pancreatic necrotic fluid of patients with walled-off pancreatic necrosis. <i>Przegląd Gastroenterologiczny</i> , 2021, 16, 56-61.	0.3	1
89	Bariatric Surgery Induced Changes in Blood Cholesterol Are Modulated by Vitamin D Status. <i>Nutrients</i> , 2022, 14, 2000.	1.7	1
90	Chronic food restriction up-regulates 11- β -hydroxysteroid dehydrogenase. <i>Open Life Sciences</i> , 2011, 6, 312-319.	0.6	0

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91	MP548DISORDERS OF SERUM OMEGA 3 FATTY ACID COMPOSITION IN DIALYSIS PATIENTS, AND THEIR ASSOCIATIONS WITH FAT MASS. <i>Nephrology Dialysis Transplantation</i> , 2016, 31, i522-i522.	0.4	0
92	SP297ACTIVITY OF STEAROYL-CoA DESATURASE IN ADIPOSE TISSUE CONTRIBUTES TO INCREASED SERUM CONTENT OF MONOUNSATURATED FATTY ACIDS IN PATIENTS WITH CHRONIC KIDNEY DISEASE. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, .	0.4	0
93	Increased adiponectin gene expression in adipose tissue may be related to an abnormal serum fatty acid profile in patients with chronic kidney disease. <i>Polish Archives of Internal Medicine</i> , 2020, 130, 1013-1016.	0.3	0
94	Higher 11-beta-hydroxysteroid dehydrogenase type I gene expression in white adipose tissue in male than female rats. <i>Endokrynologia Polska</i> , 2011, 62, 331-4.	0.3	0
95	Changes in the Serum Fatty Acid Profile After Anhepatic Phase of Orthotopic Liver Transplantation Procedure. <i>Frontiers in Physiology</i> , 2022, 13, 817987.	1.3	0