

Josef Tomandl

List of Publications by Year in descending order

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69
papers

956
citations

430874

18
h-index

552781

26
g-index

69
all docs

69
docs citations

69
times ranked

1808
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes of plasma total homocysteine levels during the menstrual cycle. <i>European Journal of Clinical Investigation</i> , 1999, 29, 1041-1044.	3.4	60
2	Occurrence of Metabolic Osteopathy in Patients with Chronic Pancreatitis. <i>Pancreatology</i> , 2008, 8, 583-586.	1.1	58
3	Infectious Complications and Immune/Inflammatory Response in Cardiogenic Shock Patients. <i>Shock</i> , 2017, 47, 165-174.	2.1	38
4	Determination of homocysteine in human plasma by micellar electrokinetic chromatography and in-capillary detection reaction with 2,2'-dipyridyl disulfide. <i>Journal of Chromatography A</i> , 2003, 990, 197-204.	3.7	36
5	Effect of St John's wort (<i>Hypericum perforatum</i>) on cytochrome P-450 activity in perfused rat liver. <i>Life Sciences</i> , 2005, 78, 239-244.	4.3	34
6	Role of thiamine status and genetic variability in transketolase and other pentose phosphate cycle enzymes in the progression of diabetic nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 1229-1236.	0.7	33
7	HPLC determination of midazolam and its three hydroxy metabolites in perfusion medium and plasma from rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 852, 571-577.	2.3	32
8	No association of defined variability in leptin, leptin receptor, adiponectin, proopiomelanocortin and ghrelin gene with food preferences in the Czech population. <i>Nutritional Neuroscience</i> , 2008, 11, 2-8.	3.1	28
9	Natriuretic peptides, nitrite/nitrate and superoxide dismutase have additional value on top of the GRACE score in prediction of one-year mortality and rehospitalisation for heart failure in STEMI patients – Multiple biomarkers prospective cohort study. <i>International Journal of Cardiology</i> , 2016, 211, 96-104.	1.7	28
10	Prognostic Utility of Biomarkers in Predicting of One-Year Outcomes in Patients with Aortic Stenosis Treated with Transcatheter or Surgical Aortic Valve Implantation. <i>PLoS ONE</i> , 2012, 7, e48851.	2.5	27
11	Vitamin D Status in Women with Gestational Diabetes Mellitus during Pregnancy and Postpartum. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	23
12	Simultaneous HPLC determination of tolbutamide, phenacetin and their metabolites as markers of cytochromes 1A2 and 2C6/11 in rat liver perfusate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 557-564.	2.8	22
13	Genotype–Nutrient association of common polymorphisms in obesity-related genes with food preferences and time structure of energy intake. <i>British Journal of Nutrition</i> , 2010, 103, 352-359.	2.3	22
14	Prognostic Value of Pentraxin-3 Level in Patients with STEMI and Its Relationship with Heart Failure and Markers of Oxidative Stress. <i>Disease Markers</i> , 2015, 2015, 1-11.	1.3	21
15	Elevated malondialdehyde correlates with the extent of primary tumor and predicts poor prognosis of oropharyngeal cancer. <i>Anticancer Research</i> , 2009, 29, 4227-31.	1.1	21
16	Determination of total oncopterin, neopterin and biopterin in human urine by high performance liquid chromatography with solid phase extraction. <i>Journal of Separation Science</i> , 2003, 26, 674-678.	2.5	20
17	Simultaneous Determination of Uric Acid, Xanthine and Hypoxanthine in Human Plasma and Serum by HPLC–UV: Uric Acid Metabolism Tracking. <i>Chromatographia</i> , 2017, 80, 529-536.	1.3	19
18	Effect of methamphetamine on cytochrome P450 activity. <i>Xenobiotica</i> , 2007, 37, 1355-1366.	1.1	18

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19	Study of recombinant cytochrome P450 2C9 activity with diclofenac by MEKC. <i>Electrophoresis</i> , 2007, 28, 1229-1234.	2.4	18
20	Effects of Neuromuscular Electrical Stimulation and Aerobic Exercise Training on Arterial Stiffness and Autonomic Functions in Patients With Chronic Heart Failure. <i>Artificial Organs</i> , 2012, 36, 920-930.	1.9	18
21	The common polymorphism Val109Asp in the omentin gene is associated with daily energy intake in the Central-European population. <i>Nutritional Neuroscience</i> , 2015, 18, 41-48.	3.1	17
22	Follistatin-Like 1 Is Downregulated in Morbidly and Super Obese Central-European Population. <i>Disease Markers</i> , 2018, 2018, 1-7.	1.3	17
23	High perioperative level of oxidative stress as a prognostic tool for identifying patients with a high risk of recurrence of head and neck squamous cell carcinoma. <i>International Journal of Clinical Oncology</i> , 2010, 15, 565-570.	2.2	15
24	Visfatin is secreted into the breast milk and is correlated with weight changes of the infant after the birth. <i>Diabetes Research and Clinical Practice</i> , 2012, 96, 355-361.	2.8	15
25	Soluble ST2 levels in patients with cardiogenic and septic shock are not predictors of mortality. <i>Experimental and Clinical Cardiology</i> , 2012, 17, 205-9.	1.3	15
26	ADMA, SDMA and L-arginine/ADMA Ratio but not DDAH Genetic Polymorphisms are Reliable Predictors of Diabetic Nephropathy Progression as Identified by Competing Risk Analysis. <i>Kidney and Blood Pressure Research</i> , 2012, 36, 200-208.	2.0	13
27	Uric Acid and Xanthine Levels in Pregnancy Complicated by Gestational Diabetes Mellitus – The Effect on Adverse Pregnancy Outcomes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3696.	4.1	13
28	Prognostic value of oxidative stress in patients with acute myocardial infarction complicated by cardiogenic shock: A prospective cohort study. <i>Free Radical Biology and Medicine</i> , 2021, 174, 66-72.	2.9	13
29	The prediction role of indexes of circulating adipokines for common anthropometric and nutritional characteristics of obesity in the obese Central European population. <i>Eating Behaviors</i> , 2014, 15, 244-251.	2.0	12
30	The presence of B-cell activating factor (BAFF) in umbilical cord blood in both healthy and pre-eclamptic pregnancies and in human breast milk. <i>Journal of Reproductive Immunology</i> , 2015, 109, 89-93.	1.9	12
31	Noninvasive prediction of the exercise-induced elevation in left ventricular filling pressure in post-heart transplant patients with normal left ventricular ejection fraction. <i>Experimental and Clinical Cardiology</i> , 2013, 18, 63-72.	1.3	12
32	Effect of Treatment of Hypothyroidism on the Plasma Concentrations of Neuroactive Steroids and Homocysteine. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001, 39, 753-7.	2.3	11
33	Homocysteine during the menstrual cycle in depressive women. <i>European Journal of Clinical Investigation</i> , 2003, 33, 268-273.	3.4	11
34	The Association Between Levels of Tissue Inhibitor of Metalloproteinase-1 with Acute Heart Failure and Left Ventricular Dysfunction in Patients with ST Elevation Myocardial Infarction Treated by Primary Percutaneous Coronary Intervention. <i>Genetic Testing and Molecular Biomarkers</i> , 2012, 16, 1172-1178.	0.7	11
35	Can Biomarkers Help to Diagnose Early Heart Failure with Preserved Ejection Fraction?. <i>Disease Markers</i> , 2015, 2015, 1-9.	1.3	11
36	Pre-treatment VEGF levels and VEGFR receptors as potential predictors of occurrence and overall survival in paediatric patients with solid tumours – a single institution pilot study. <i>Tumor Biology</i> , 2016, 37, 9209-9219.	1.8	11

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37	Irisin Maternal Plasma and Cord Blood Levels in Mothers with Spontaneous Preterm and Term Delivery. <i>Disease Markers</i> , 2018, 2018, 1-9.	1.3	11
38	Big endothelin in chronic heart failure: marker of disease severity or genetic determination?. <i>International Journal of Cardiology</i> , 2004, 93, 63-68.	1.7	10
39	Brain-derived neurotrophic factor and ciliary neurotrophic factor in maternal plasma and umbilical cord blood from pre-eclamptic and physiological pregnancies. <i>Journal of Obstetrics and Gynaecology</i> , 2013, 33, 359-363.	0.9	10
40	Dysfunctional protection against advanced glycation due to thiamine metabolism abnormalities in gestational diabetes. <i>Glycoconjugate Journal</i> , 2016, 33, 591-598.	2.7	10
41	The association of matrix metalloproteinase 9 (MMP9) with hippocampal volume in schizophrenia: a preliminary MRI study. <i>Neuropsychopharmacology</i> , 2022, 47, 524-530.	5.4	10
42	Association of genetic variability in selected regions in visfatin (NAMPT) gene with anthropometric parameters and dietary composition in obese and non-obese Central-European population. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2013, 7, 166-171.	3.6	9
43	Association of circulating levels of RANTES and α 403G/A promoter polymorphism to acute heart failure after STEMI and to cardiogenic shock. <i>Clinical and Experimental Medicine</i> , 2015, 15, 405-414.	3.6	9
44	Activation of the Nitric Oxide Pathway and Acute Myocardial Infarction Complicated by Acute Kidney Injury. <i>CardioRenal Medicine</i> , 2020, 10, 85-96.	1.9	9
45	Neurohumoral Activity, Heart Failure and Prognosis in Patients with End-Stage Renal Disease Treated by Hemodialysis. <i>Kidney and Blood Pressure Research</i> , 2007, 30, 347-357.	2.0	8
46	ACE gene insertion/deletion polymorphism has a mild influence on the acute development of left ventricular dysfunction in patients with ST elevation myocardial infarction treated with primary PCI. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 60.	1.7	8
47	Homocysteine in breast cyst fluid. <i>European Journal of Clinical Investigation</i> , 2001, 31, 623-627.	3.4	7
48	Kinetics of Biomarkers of Oxidative Stress in Septic Shock: A Pilot Study. <i>Antioxidants</i> , 2022, 11, 640.	5.1	7
49	Determination of asymmetric and symmetric dimethylarginines in human plasma by HPLC with electrochemical detection. <i>Journal of Separation Science</i> , 2013, 36, 3696-3701.	2.5	6
50	Transketolase Activity but not Thiamine Membrane Transport Change in Response to Hyperglycaemia and Kidney Dysfunction. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2018, 126, 255-262.	1.2	6
51	THE EFFECT OF ST JOHN'S WORT (HYPERICUM PERFORATUM) ON CYTOCHROME P450 1A2 ACTIVITY IN PERFUSED RAT LIVER. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;</i> , Olomouc, Czechoslovakia, 2011, 155, 253-257.	0.6	6
52	Genetics of humoral and cytokine activation in heart failure and its importance for risk stratification of patients. <i>Experimental and Molecular Pathology</i> , 2008, 84, 251-255.	2.1	5
53	B-cell activating factor (BAFF) â€” a new factor linking immunity to diet?. <i>Open Medicine (Poland)</i> , 2012, 7, 275-283.	1.3	5
54	Oral administration of BDNF and/or GDNF normalizes serum BDNF level in the olfactory bulbectomized rats: A proof of concept study. <i>Pharmacological Reports</i> , 2019, 71, 669-675.	3.3	5

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55	Comparison of NT-proBNP levels in hemodialysis versus peritoneal dialysis patients. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2013, 157, 325-330.	0.6	5
56	Salivary neopterin concentrations in patients with cancer of the oral cavity. Pteridines, 2016, 27, 53-58.	0.5	4
57	Umbilical cord blood and maternal visfatin (PBEF/NAMPT) concentrations in preterm birth with and without preterm premature rupture of membranes. Journal of Maternal-Fetal and Neonatal Medicine, 2018, 31, 1811-1818.	1.5	4
58	Can markers of collagen turnover or other biomarkers contribute to the diagnostics of heart failure with normal left ventricular ejection fraction?. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2013, 157, 331-339.	0.6	4
59	Unstable angina pectoris prior to ST elevation myocardial infarction in patients treated with primary percutaneous coronary intervention has no influence on prognosis. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2015, 159, 251-258.	0.6	4
60	Chromatographic purification of glucose-6-phosphate dehydrogenase and lactate dehydrogenase from Leuconostoc mesenteroides. Journal of Chromatography A, 1990, 503, 197-204.	3.7	2
61	Relation between adiponectin 45 T/G polymorphism and dietary composition in the Czech population. Diabetes Research and Clinical Practice, 2009, 84, 329-331.	2.8	2
62	Deleterious Effect of Advanced CKD on Glyoxalase System Activity not Limited to Diabetes Aetiology. International Journal of Molecular Sciences, 2018, 19, 1517.	4.1	2
63	Improvement in the prediction of exerciseàinduced elevation of left ventricular filling pressure in patients with normal left ventricular ejection fraction. Echocardiography, 2017, 34, 78-86.	0.9	1
64	Levels of endothelial substances in patients with newly identified hypertension compared with healthy controls. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2021, 165, 395-401.	0.6	1
65	Effect of Acute and Repeated Administration of Methamphetamine on the Activity of CYP2D in Isolated Perfused Rat Liver. Acta Veterinaria Brno, 2005, 74, 339-345.	0.5	1
66	S168. THE ASSOCIATION BETWEEN MMP-9 AND CHOROID PLEXUS VOLUME IN SCHIZOPHRENIA. Schizophrenia Bulletin, 2020, 46, S100-S101.	4.3	0
67	Circulating Levels of Agouti-Related Peptide in Endometrial Cancer Survivors. World Journal of Oncology, 2011, 2, 232-237.	1.5	0
68	Lactate kinetics after abdominal aortic surgery and intestinal ischemia à An observational cohort study. International Journal of Surgery, 2022, 98, 106220.	2.7	0
69	Procalcitonin kinetics following abdominal aortic surgery and its value for postoperative intestinal ischaemia detection. Vascular, 2022, , 170853812211028.	0.9	0