

Josef Tomandl

List of Publications by Year in descending order

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69
papers

956
citations

430874

18
h-index

552781

26
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69
all docs

69
docs citations

69
times ranked

1808
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	L-lactate kinetics after abdominal aortic surgery and intestinal ischemia – An observational cohort study. <i>International Journal of Surgery</i> , 2022, 98, 106220.	2.7	0
3	Kinetics of Biomarkers of Oxidative Stress in Septic Shock: A Pilot Study. <i>Antioxidants</i> , 2022, 11, 640.	5.1	7
4	Procalcitonin kinetics following abdominal aortic surgery and its value for postoperative intestinal ischaemia detection. <i>Vascular</i> , 2022, , 170853812211028.	0.9	0
5	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
6	Levels of endothelial substances in patients with newly identified hypertension compared with healthy controls. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2021, 165, 395-401.	0.6	1
7	S168. THE ASSOCIATION BETWEEN MMP-9 AND CHOROID PLEXUS VOLUME IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2020, 46, S100-S101.	4.3	0
8	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
9	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
10	Umbilical cord blood and maternal visfatin (PBEF/NAMPT) concentrations in preterm birth with and without preterm premature rupture of membranes. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 1811-1818.	1.5	4
11	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
12	Follistatin-Like 1 Is Downregulated in Morbidly and Super Obese Central-European Population. <i>Disease Markers</i> , 2018, 2018, 1-7.	1.3	17
13	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
14	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
15	Deleterious Effect of Advanced CKD on Glyoxalase System Activity not Limited to Diabetes Aetiology. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1517.	4.1	2
16	Infectious Complications and Immune/Inflammatory Response in Cardiogenic Shock Patients. <i>Shock</i> , 2017, 47, 165-174.	2.1	38
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	Improvement in the prediction of exercise – induced elevation of left ventricular filling pressure in patients with normal left ventricular ejection fraction. <i>Echocardiography</i> , 2017, 34, 78-86.	0.9	1

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19	Salivary neopterin concentrations in patients with cancer of the oral cavity. <i>Pteridines</i> , 2016, 27, 53-58.	0.5	4
20	Pre-treatment VD levels and VDR 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
21	Dysfunctional protection against advanced glycation due to thiamine metabolism abnormalities in gestational diabetes. <i>Glycoconjugate Journal</i> , 2016, 33, 591-598.	2.7	10
22	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
23	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
24	Can Biomarkers Help to Diagnose Early Heart Failure with Preserved Ejection Fraction?. <i>Disease Markers</i> , 2015, 2015, 1-9.	1.3	11
25	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
26	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
27	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
28	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
29	Unstable angina pectoris prior to ST elevation myocardial infarction in patients treated with primary percutaneous coronary intervention has no influence on prognosis. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2015, 159, 251-258.	0.6	4
30	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
31	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
32	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
33	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
34	Comparison of NT-proBNP levels in hemodialysis versus peritoneal dialysis patients. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2013, 157, 325-330.	0.6	5
35	Can markers of collagen turnover or other biomarkers contribute to the diagnostics of heart failure with normal left ventricular ejection fraction?. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2013, 157, 331-339.	0.6	4
36	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

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37	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
38	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
39	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
40	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
41	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
42	B-cell activating factor (BAFF) – a new factor linking immunity to diet?. <i>Open Medicine (Poland)</i> , 2012, 7, 275-283.	1.3	5
43	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
44	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
45	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;, Olomouc, Czechoslovakia</i> , 2011, 155, 253-257.	0.6	6
46	Circulating Levels of Agouti-Related Peptide in Endometrial Cancer Survivors. <i>World Journal of Oncology</i> , 2011, 2, 232-237.	1.5	0
47	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
48	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
49	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
50	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
51	Relation between adiponectin 45 T/G polymorphism and dietary composition in the Czech population. <i>Diabetes Research and Clinical Practice</i> , 2009, 84, 329-331.	2.8	2
52	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
53	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
54	Occurrence of Metabolic Osteopathy in Patients with Chronic Pancreatitis. <i>Pancreatology</i> , 2008, 8, 583-586.	1.1	58

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55	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
56	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
57	Effect of methamphetamine on cytochrome P450 activity. <i>Xenobiotica</i> , 2007, 37, 1355-1366.	1.1	18
58	Study of recombinant cytochrome P450 2C9 activity with diclofenac by MEKC. <i>Electrophoresis</i> , 2007, 28, 1229-1234.	2.4	18
59	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
60	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
61	Effect of Acute and Repeated Administration of Methamphetamine on the Activity of CYP2D in Isolated Perfused Rat Liver. <i>Acta Veterinaria Brno</i> , 2005, 74, 339-345.	0.5	1
62	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
63	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
64	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
65	Homocysteine during the menstrual cycle in depressive women. <i>European Journal of Clinical Investigation</i> , 2003, 33, 268-273.	3.4	11
66	Homocysteine in breast cyst fluid. <i>European Journal of Clinical Investigation</i> , 2001, 31, 623-627.	3.4	7
67	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
68	Changes of plasma total homocysteine levels during the menstrual cycle. <i>European Journal of Clinical Investigation</i> , 1999, 29, 1041-1044.	3.4	60
69	Chromatographic purification of glucose-6-phosphate dehydrogenase and lactate dehydrogenase from <i>Leuconostoc mesenteroides</i> . <i>Journal of Chromatography A</i> , 1990, 503, 197-204.	3.7	2