Martin Tepel

List of Publications by Year in descending order

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125 papers 5,413 citations

35 h-index 71 g-index

127 all docs

127 docs citations

127 times ranked

4630 citing authors

#	Article	IF	Citations
1	Prevention of Radiographic-Contrast-Agent–Induced Reductions in Renal Function by Acetylcysteine. New England Journal of Medicine, 2000, 343, 180-184.	27.0	1,589
2	Contrast-Induced Nephropathy. Circulation, 2006, 113, 1799-1806.	1.6	409
3	The Antioxidant Acetylcysteine Reduces Cardiovascular Events in Patients With End-Stage Renal Failure. Circulation, 2003, 107, 992-995.	1.6	345
4	Diadenosine phosphates and the physiological control of blood pressure. Nature, 1994, 367, 186-188.	27.8	202
5	Acetylcysteine Reduces Plasma Homocysteine Concentration and Improves Pulse Pressure and Endothelial Function in Patients With End-Stage Renal Failure. Circulation, 2004, 109, 369-374.	1.6	136
6	HDL ₃ -Mediated Inhibition of Thrombin-Induced Platelet Aggregation and Fibrinogen Binding Occurs via Decreased Production of Phosphoinositide-Derived Second Messengers 1,2-Diacylglycerol and Inositol 1,4,5-tris-Phosphate. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 861-869.	2.4	128
7	Increased Transient Receptor Potential Canonical Type 3 Channels in Vasculature From Hypertensive Rats. Hypertension, 2009, 53, 70-76.	2.7	108
8	Effect of amlodipine on cardiovascular events in hypertensive haemodialysis patients. Nephrology Dialysis Transplantation, 2008, 23, 3605-3612.	0.7	95
9	Low-Density Lipoproteins Inhibit the Na ⁺ /H ⁺ Antiport in Human Platelets. Circulation, 1997, 95, 1370-1377.	1.6	83
10	Increased intracellular reactive oxygen species in patients with end-stage renal failure: Effect of hemodialysis. Kidney International, 2000, 58, 867-872.	5.2	80
11	Activation of Phosphatidylinositol-Specific Phospholipase C by HDL-Associated Lysosphingolipid. Involvement in Mitogenesis but Not in Cholesterol Efflux. Biochemistry, 2000, 39, 15199-15207.	2.5	69
12	Increased Transient Receptor Potential Channel TRPC3 Expression in Spontaneously Hypertensive Rats. American Journal of Hypertension, 2005, 18, 1503-1507.	2.0	68
13	Transient receptor potential channels in essential hypertension. Journal of Hypertension, 2006, 24, 1105-1114.	0.5	63
14	Association of angiotensin-converting enzyme 2 gene A/G polymorphism and elevated blood pressure in Chinese patients with metabolic syndrome. Translational Research, 2006, 147, 91-95.	2.3	61
15	Effect of continuous positive airway pressure therapy on 24-hour blood pressure in patients with obstructive sleep apnea syndrome. American Journal of Hypertension, 2002, 15, 251-257.	2.0	58
16	Pulse Pressure Correlates in Humans With a Proscillaridin A Immunoreactive Compound. Hypertension, 1996, 27, 1073-1078.	2.7	56
17	Thiazide-Like Diuretics Attenuate Agonist-Induced Vasoconstriction by Calcium Desensitization Linked to Rho Kinase. Hypertension, 2005, 45, 233-239.	2.7	52
18	High Glucose Enhances Transient Receptor Potential Channel Canonical Type 6–Dependent Calcium Influx in Human Platelets via Phosphatidylinositol 3-Kinase–Dependent Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 746-751.	2.4	52

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19	Urinary endotrophin predicts disease progression in patients with chronic kidney disease. Scientific Reports, 2017, 7, 17328.	3.3	52
20	Higher Collagen VI Formation Is Associated With All-Cause Mortality in Patients With Type 2 Diabetes and Microalbuminuria. Diabetes Care, 2018, 41, 1493-1500.	8.6	51
21	Angiotensin-(1-7) Inhibits Angiotensin Il–Induced Signal Transduction. Journal of Cardiovascular Pharmacology, 2002, 40, 693-700.	1.9	50
22	Identification and Quantification of Diadenosine Polyphosphate Concentrations in Human Plasma. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1231-1238.	2.4	49
23	Sleep-related breathing disorders impair quality of life in haemodialysis recipients. Nephrology Dialysis Transplantation, 2002, 17, 1260-1265.	0.7	48
24	Increased store-operated and 1-oleoyl-2-acetyl-sn-glycerol-induced calcium influx in monocytes is mediated by transient receptor potential canonical channels in human essential hypertension. Journal of Hypertension, 2007, 25, 799-808.	0.5	48
25	Mean Platelet Volume and Coronary Heart Disease in Hemodialysis Patients. Kidney and Blood Pressure Research, 2002, 25, 103-108.	2.0	46
26	The Role of Transient Receptor Potential Channels in Metabolic Syndrome. Hypertension Research, 2008, 31, 1989-1995.	2.7	45
27	Increased TRPC3 expression in vascular endothelium of patients with malignant hypertension. Modern Pathology, 2009, 22, 426-430.	5.5	43
28	Identification and Characterization of P 1, P 7-Di(adenosine-5′)-heptaphosphate from Human Platelets. Journal of Biological Chemistry, 1999, 274, 23926-23931.	3.4	42
29	Effects of glucocorticoids on generation of reactive oxygen species in platelets. Steroids, 2002, 67, 715-719.	1.8	42
30	Endogenous glycosides in critically ill patients. Critical Care Medicine, 2003, 31, 1331-1337.	0.9	42
31	Increased vascular growth in hemodialysis patients induced by platelet-derived diadenosine polyphosphates. Kidney International, 2001, 59, 1134-1141.	5.2	41
32	Endothelial dysfunction in cold-induced hypertensive rats. American Journal of Hypertension, 2002, 15, 176-180.	2.0	39
33	Characterisation of advanced glycation endproducts in saliva from patients with diabetes mellitus. Biochemical and Biophysical Research Communications, 2004, 323, 377-381.	2.1	38
34	Dinucleotides as Growth-promoting Extracellular Mediators. Journal of Biological Chemistry, 2001, 276, 8904-8909.	3.4	36
35	Association of transient receptor potential canonical type 3 (TRPC3) channel transcripts with proinflammatory cytokines. Archives of Biochemistry and Biophysics, 2008, 471, 57-62.	3.0	35
36	Phosphatidylcholine-specific Phospholipase C Regulates Thapsigargin-induced Calcium Influx in Human Lymphocytes. Journal of Biological Chemistry, 1997, 272, 32861-32868.	3.4	31

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37	N-Acetylcysteine in nephrology; contrast nephropathy and beyond. Current Opinion in Nephrology and Hypertension, 2004, 13, 649-654.	2.0	30
38	High-Performance Liquid Chromatographic Assay of the Diadenosine Polyphosphates in Human Platelets. Analytical Biochemistry, 1999, 269, 72-78.	2.4	29
39	Monocytes From Spontaneously Hypertensive Rats Show Increased Store-Operated and Second Messenger-Operated Calcium Influx Mediated by Transient Receptor Potential Canonical Type 3 Channels. American Journal of Hypertension, 2007, 20, 1111-1118.	2.0	29
40	Erythropoietin increases cytosolic free calcium concentration and thrombin induced changes in cytosolic free calcium in platelets from spontaneously hypertensive rats. Biochemical and Biophysical Research Communications, 1991, 177, 991-997.	2.1	28
41	High Density Lipoproteins Enhance the Na+/H+ Antiport in Human Platelets. Thrombosis and Haemostasis, 1996, 75, 635-641.	3.4	28
42	Collagen turnover profiles in chronic kidney disease. Scientific Reports, 2019, 9, 16062.	3.3	27
43	Low expression of thiosulfate sulfurtransferase (rhodanese) predicts mortality in hemodialysis patients. Clinical Biochemistry, 2010, 43, 95-101.	1.9	25
44	Evidence for two different P2X -receptors mediating vasoconstriction of Ap5 A and Ap6 A in the isolated perfused rat kidney. British Journal of Pharmacology, 1999, 127, 1463-1469.	5 . 4	24
45	Phenylacetic Acid and Arterial Vascular Properties in Patients with Chronic Kidney Disease Stage 5 on Hemodialysis Therapy. Nephron Clinical Practice, 2007, 107, c1-c6.	2.3	23
46	High glucose modifies transient receptor potential canonical type 6 channels via increased oxidative stress and syndecan-4 in human podocytes. Biochemical and Biophysical Research Communications, 2014, 450, 312-317.	2.1	23
47	Mediation of the vasoactive properties of diadenosine tetraphosphate via various purinoceptors. Journal of Hypertension, 1998, 16, 1939-1943.	0.5	22
48	Acetylcysteine and contrast media nephropathy. Current Opinion in Nephrology and Hypertension, 2002, 11, 503-506.	2.0	22
49	Lymphocytic Na + -H + Exchange Increases After an Oral Glucose Challenge. Circulation Research, 1995, 77, 1024-1029.	4.5	21
50	Erythropoietin induced transmembrane calcium influx in essential hypertension. Life Sciences, 1992, 51, 161-167.	4.3	19
51	Effects of dinucleoside polyphosphates on regulation of coronary vascular tone. European Journal of Pharmacology, 2002, 448, 207-213.	3 . 5	19
52	Transient receptor potential canonical type 3 channels and blood pressure in humans. Journal of Hypertension, 2009, 27, 1217-1223.	0.5	19
53	Long-Term Effects of Vitamin B ₁₂ , Folate, and Vitamin B ₆ Supplements in Elderly People with Normal Serum Vitamin B ₁₂ Concentrations. Gerontology, 2001, 47, 30-35.	2.8	18
54	Expression of the <i>NRF2</i> Target Gene <i>NQO1</i> Is Enhanced in Mononuclear Cells in Human Chronic Kidney Disease. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-8.	4.0	18

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55	Sustained increase of extracellular calcium concentration causes arterial vasoconstriction in humans. Journal of Hypertension, 2005, 23, 2049-2054.	0.5	17
56	A Novel Platelet-Derived Renal Vasoconstrictor Agent in Normotensives and Essential Hypertensives. Journal of Vascular Research, 1992, 29, 281-289.	1.4	16
57	Diadenosine polyphosphates regulate cytosolic calcium in human fibroblast cells by interaction with P2x purinoceptors coupled to phospholipase C. Biochimica Et Biophysica Acta - Molecular Cell Research, 1996, 1312, 145-150.	4.1	16
58	Effect of sodium on blood pressure, cardiac hypertrophy, and angiotensin receptor expression in rats. American Journal of Hypertension, 2004, 17, 21-24.	2.0	16
59	Cutaneous Mycobacterium abscessus infection after kidney transplantation. Nephrology Dialysis Transplantation, 2005, 20, 1764-1765.	0.7	16
60	Noninvasive pulse wave analysis for the determination of central artery stiffness. Microvascular Research, 2009, 77, 109-112.	2.5	16
61	Urinary Calprotectin and Posttransplant Renal Allograft Injury. PLoS ONE, 2014, 9, e113006.	2.5	16
62	Involvement of phospholipase D in storeâ€operated calcium influx in vascular smooth muscle cells. FEBS Letters, 2000, 479, 51-56.	2.8	15
63	Characterization of p-hydroxy-hippuric acid as an inhibitor of Ca2+-ATPase in end-stage renal failure. Kidney International, 2001, 59, S84-S88.	5.2	15
64	The critical role of adenosine and guanosine in the affinity of dinucleoside polyphosphates to P2X -receptors in the isolated perfused rat kidney. British Journal of Pharmacology, 2001, 132, 467-474.	5.4	15
65	Low density lipoproteins inhibit the Na+/H+ antiport in human platelets via activation of p38MAP kinase. Biochemical and Biophysical Research Communications, 2006, 340, 751-757.	2.1	15
66	Noninvasive Continuous Monitoring of Digital Pulse Waves during Hemodialysis. ASAIO Journal, 2006, 52, 174-179.	1.6	15
67	Superoxide dismutase type 1 in monocytes of chronic kidney disease patients. Amino Acids, $2011, 41, 427-438$.	2.7	15
68	D609–phosphatidylcholine-specific phospholipase C inhibitor attenuates thapsigargin-induced sodium influx in human lymphocytes. Cellular Signalling, 2000, 12, 289-296.	3.6	14
69	Thapsigargin-induced [Ca2+]i increase activates sodium influx in human platelets. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1220, 248-252.	4.1	13
70	Efficacy and Tolerability of Angiotensin II Type 1 Receptor Antagonists in Dialysis Patients Using AN69 Dialysis Membranes. Kidney and Blood Pressure Research, 2001, 24, 71-74.	2.0	13
71	Identification and Characterization of Adenosine 5′-Tetraphosphate in Human Myocardial Tissue. Journal of Biological Chemistry, 2003, 278, 17735-17740.	3.4	13
72	Oxidative stress: does it play a role in the genesis of essential hypertension and hypertension of uraemia?. Nephrology Dialysis Transplantation, 2003, 18, 1439-1442.	0.7	13

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73	Association of calcium channel blockers and mortality in haemodialysis patients. Clinical Science, 2002, 103, 511.	4.3	12
74	N-Acetylcysteine Improves Arterial Vascular Reactivity in Patients with Chronic Kidney Disease. Nephron Clinical Practice, 2009, 112, c184-c189.	2.3	12
75	Lower Superoxide Dismutase 2 (SOD2) Protein Content in Mononuclear Cells Is Associated with Better Survival in Patients with Hemodialysis Therapy. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	4.0	12
76	Reducing NADPH Synthesis Counteracts Diabetic Nephropathy through Restoration of AMPK Activity in Type 1 Diabetic Rats. Cell Reports, 2020, 32, 108207.	6.4	12
77	Recurrent moderate hypoglycemia accelerates the progression of Alzheimer's disease through impairment of the TRPC6/GLUT3 pathway. JCI Insight, 2022, 7, .	5.0	12
78	Effects of Protein Kinase C Activation on Intracellular Ca2+ Distribution in Vascular Smooth Muscle Cells of Spontaneously Hypertensive Rats. Journal of Vascular Research, 1993, 30, 116-120.	1.4	11
79	Impaired Vascular Reactivity in Patients with Chronic Kidney Disease. American Journal of Nephrology, 2008, 28, 218-223.	3.1	11
80	Decreased Expression of Transient Receptor Potential Channels in Cerebral Vascular Tissue from Patients After Hypertensive Intracerebral Hemorrhage. Clinical and Experimental Hypertension, 2011, 33, 533-537.	1.3	11
81	Golgin A4 in CSF and granulovacuolar degenerations of patients with Alzheimer disease. Neurology, 2018, 91, e1799-e1808.	1.1	11
82	Pretransplant endotrophin predicts delayed graft function after kidney transplantation. Scientific Reports, 2022, 12, 4079.	3.3	10
83	Interleukin-8 Transcripts in Mononuclear Cells Determine Impaired Graft Function after Kidney Transplantation. PLoS ONE, 2015, 10, e0117315.	2.5	9
84	Effect of Inhibition of Na, K-ATPase on Cytosolic Free Sodium and Calcium in Platelets of Spontaneously Hypertensive Rats. American Journal of Hypertension, 1992, 5, 740-743.	2.0	8
85	xmins:xocs="http://www.eisevier.com/xmi/xocs/dtd" xmins:xs="http://www.w3.org/2001/XiViLSchema" xmlns:xsi="http://www.w3.org/2001/XiViLSchema xmlns:xsi="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"	5.2	8
86	xmlns:ce="http://www.elsevier.com/x Identification of Diadenosine Hexaphosphate in Human Erythrocytes. Hypertension, 1999, 34, 872-875.	2.7	8
87	Chemoattractant- and Mitogen-Induced Generation of Reactive Oxygen Species in Human Lymphocytes: The Role of Calcium. Experimental Physiology, 1999, 84, 515-520.	2.0	8
88	Increased sodium-proton antiporter activity in patients with obstructive sleep apnoea. Journal of Sleep Research, 2000, 9, 285-291.	3.2	8
89	Acetylcysteine for radiocontrast nephropathy. Current Opinion in Critical Care, 2001, 7, 390-392.	3.2	8
90	The 82-plex plasma protein signature that predicts increasing inflammation. Scientific Reports, 2015, 5, 14882.	3.3	8

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91	Differentially expressed genes in hypertensive rats developing cerebral ischemia. Life Sciences, 2004, 74, 1899-1909.	4.3	7
92	Phospholipase A2 Is Involved in Thapsigargin-Induced Sodium Influx in Human Lymphocytes. Archives of Biochemistry and Biophysics, 2000, 374, 213-221.	3.0	6
93	The AN69 Hemofiltration Membrane Has a Decreasing Effect on the Intracellular Diadenosine Pentaphosphate Concentration of Platelets. Kidney and Blood Pressure Research, 2003, 26, 50-54.	2.0	6
94	GATA4-mediated cardiac hypertrophy induced by d-myo-inositol 1,4,5-tris-phosphate. Biochemical and Biophysical Research Communications, 2005, 338, 1236-1240.	2.1	6
95	Mortality Risk in Hemodialysis Patients with Increased Arterial Stiffness Is Reduced by Attainment of Classical Clinical Performance Measures. American Journal of Nephrology, 2009, 29, 598-606.	3.1	6
96	Endogenous intronic antisense long non-coding RNA, MGAT3-AS1, and kidney transplantation. Scientific Reports, 2019, 9, 14743.	3.3	6
97	Increased lymphocytic exchange activity after hemodialysis: Evidence for an endogenous inhibitor of exchange in patients with end-stage renal failure. Life Sciences, 1996, 59, 1545-1552.	4.3	5
98	Isolation and Characterization of Coenzyme A Glutathione Disulfide as a Parathyroid-Derived Vasoconstrictive Factor. Circulation, 2000, 102, 2548-2552.	1.6	5
99	Effect of Sodium on Vasoconstriction and Angiotensin II Type 1 Receptor mRNA Expression in Coldâ€induced Hypertensive Rats. Clinical and Experimental Hypertension, 2004, 26, 475-483.	1.3	5
100	Reduced membrane attack complex formation in umbilical cord blood during Eculizumab treatment of the mother: a case report. BMC Nephrology, 2019, 20, 307.	1.8	5
101	Chemoattractant- and mitogen-induced generation of reactive oxygen species in human lymphocytes: the role of calcium. Experimental Physiology, 1999, 84, 515-520.	2.0	5
102	A Rare Cause of Pulmonary-Renal Syndrome. Nephron, 2002, 91, 516-520.	1.8	4
103	Calcium-dependent expression of transient receptor potential canonical type 3 channels in patients with chronic kidney disease. Archives of Biochemistry and Biophysics, 2011, 514, 44-49.	3.0	4
104	Dialysis for twins. CKJ: Clinical Kidney Journal, 2014, 7, 57-58.	2.9	4
105	A highly sensitive method for quantification of iohexol. Analytical Methods, 2014, 6, 3706-3712.	2.7	4
106	Prospective Study of Long Noncoding RNA, MGAT3-AS1, and Viremia of BK Polyomavirus and Cytomegalovirus in Living Donor Renal Transplant Recipients. Kidney International Reports, 2020, 5, 2218-2227.	0.8	4
107	Angiopoietin-2 predicts all-cause mortality in male but not female end-stage kidney disease patients on hemodialysis. Nephrology Dialysis Transplantation, 2022, 37, 1348-1356.	0.7	4
108	Hemodialysis Versus Peritoneal Dialysis: A Case Control Study of Survival in Patients With Chronic Kidney Disease Stage 5. Therapeutic Apheresis and Dialysis, 2009, 13, 199-204.	0.9	3

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109	Identification of a Potent Endothelium-Derived Angiogenic Factor. PLoS ONE, 2013, 8, e68575.	2.5	3
110	Association of Versican Turnover with All-Cause Mortality in Patients on Haemodialysis. PLoS ONE, 2014, 9, e111134.	2.5	3
111	Biliary casts in the kidney tubule. Nephrology Dialysis Transplantation, 2005, 20, 651-651.	0.7	2
112	Does prophylactic haemodialysis protect kidney function after angiography?. Nephrology Dialysis Transplantation, 2008, 23, 1473-1475.	0.7	2
113	Do Cysteine Residues Regulate Transient Receptor Potential Canonical Type 6 Channel Protein Expression?. Antioxidants and Redox Signaling, 2012, 16, 452-457.	5.4	2
114	Regulation of the Na+/H+ antiporter in patients with mild chronic renal failure: Effect of glucose. Kidney International, 1999, 56, 172-180.	5.2	1
115	Severe hypertension 22 years after renal transplantation. Lancet, The, 1998, 351, 110-111.	13.7	O
116	Purinoceptors (P2X-receptor isoforms). Expert Opinion on Therapeutic Targets, 1998, 2, 101-103.	1.0	0
117	Effect of dexamethasone on the lymphocytic Na+/H+ antiporter activity. Journal of Hypertension, 1999, 17, 1553-1556.	0.5	0
118	Scattered hyperdense lesions in a haemodialysis patient. Nephrology Dialysis Transplantation, 2005, 20, 1009-1009.	0.7	0
119	SP274URINARY ENDOTROPHIN (PRO-C6), A DYNAMIC PRODUCT OF TYPE VI COLLAGEN FORMATION, PREDICTS DISEASE PROGRESSION AND MORTALITY IN PATIENTS WITH CHRONIC KIDNEY DISEASE. Nephrology Dialysis Transplantation, 2017, 32, iii199-iii199.	0.7	0
120	SP709ELEVATED URINARY EXTRACELLULAR VESICLE EXCRETION IN PATIENTS WITH DELAYED GRAFT FUNCTION AFTER DECEASED KIDNEY TRANSPLANTATION. Nephrology Dialysis Transplantation, 2018, 33, i585-i585.	0.7	0
121	FP721COMPLOSOME AFFECTS THE OUTCOME AFTER INCIDENT KIDNEY TRANSPLANTATION. Nephrology Dialysis Transplantation, 2018, 33, i288-i288.	0.7	0
122	SP762CHANGE OF LONG NON-CODING RNA, MGAT3-AS1, IN PATIENTS BEFORE AND AFTER KIDNEY TRANSPLANTATION. Nephrology Dialysis Transplantation, 2018, 33, i605-i605.	0.7	0
123	VaskulÃ r e und parenchymatöse Nierenkrankheiten. , 2012, , 517-529.		O
124	Kidney function, future health costs, and quality-adjusted life-years in kidney transplant recipients transplanted during the SARS-Cov-2 lockdown in Denmark – An observational study. Heliyon, 2021, 7, e08489.	3.2	0
125	MO943: Levels of Forkhead Box P3 (FOXP3) Transcripts in Kidney Transplant Recipients is Associated With Post-Transplant Cytomegalovirus Viremia. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	O