Chris P M Reutelingsperger

List of Publications by Year
in descending order

93	8,170	76326 40	48315 88
papers	citations	h-index	g-index

93	93	93	10903
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deficiency of myeloid PHD proteins aggravates atherogenesis via macrophage apoptosis and paracrine fibrotic signalling. Cardiovascular Research, 2022, 118, 1232-1246.	3.8	12
2	Development of IgG, IgM, and IgA Autoantibodies Against Angiotensin Converting Enzyme 2 in Patients with COVID-19. journal of applied laboratory medicine, The, 2022, 7, 382-386.	1.3	6
3	Nicotine promotes vascular calcification via intracellular Ca2+-mediated, Nox5-induced oxidative stress, and extracellular vesicle release in vascular smooth muscle cells. Cardiovascular Research, 2022, 118, 2196-2210.	3.8	24
4	Single Cell Analysis of Reversibility of the Cell Death Program in Ethanol-Treated Neuronal PC12 Cells. International Journal of Molecular Sciences, 2022, 23, 2650.	4.1	6
5	Structure-Based Cyclic Glycoprotein Ibα-Derived Peptides Interfering with von Willebrand Factor-Binding, Affecting Platelet Aggregation under Shear. International Journal of Molecular Sciences, 2022, 23, 2046.	4.1	10
6	Annexin A1 treatment prevents the evolution to fibrosis of experimental nonalcoholic steatohepatitis. Clinical Science, 2022, 136, 643-656.	4.3	10
7	Prenatal administration of multipotent adult progenitor cells modulates the systemic and cerebral immune response in an ovine model of chorioamnionitis. Brain, Behavior, & Immunity - Health, 2022, , 100458.	2.5	0
8	Offâ€target effects of oral anticoagulants â€“ vascular effects of vitamin K antagonist and nonâ€vitamin K antagonist oral anticoagulant dabigatran etexilate. Journal of Thrombosis and Haemostasis, 2021, 19, 1348-1363.	3.8	14
9	Functional and Genetic Landscape of Complement Dysregulation Along the Spectrum of Thrombotic Microangiopathy and its Potential Implications on Clinical Outcomes. Kidney International Reports, 2021, 6, 1099-1109.	0.8	13
10	N-glycanâ€“mediated shielding of ADAMTS13 prevents binding of pathogenic autoantibodies in immune-mediated TTP. Blood, 2021, 137, 2694-2698.	1.4	11
11	Annexin A1 restores cerebrovascular integrity concomitant with reduced amyloid-β and tau pathology. Brain, 2021, 144, 1526-1541.	7.6	24
12	PAD4 takes charge during neutrophil activation: Impact of PAD4 mediated NET formation on immuneâ€mediated disease. Journal of Thrombosis and Haemostasis, 2021, 19, 1607-1617.	3.8	63
13	Autocitrullination of PAD4 does not alter its enzymatic activity: In vitro and in silico studies. International Journal of Biochemistry and Cell Biology, 2021, 134, 105938.	2.8	8
14	Development of the BioHybrid Assay: Combining Primary Human Vascular Smooth Muscle Cells and Blood to Measure Vascular Calcification Propensity. Cells, 2021, 10, 2097.	4.1	6
15	Vitamin K antagonist use induces calcification and atherosclerotic plaque progression resulting in increased hypercoagulability. European Heart Journal Open, 2021, 1, .	2.3	2
16	Evolution of NETosis markers and DAMPs have prognostic value in critically ill COVID-19 patients. Scientific Reports, 2021, 11, 15701.	3.3	56
17	Histone H3 Cleavage in Severe COVID-19 ICU Patients. Frontiers in Cellular and Infection Microbiology, 2021, 11, 694186.	3.9	25
18	Annexin A1 attenuates cardiac diastolic dysfunction in mice with inflammatory arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14

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19	Conformational plasticity of ADAMTS13 in hemostasis and autoimmunity. Journal of Biological Chemistry, 2021, 297, 101132.	3.4	4
20	The role of Extracellular Vesicles during CNS development. Progress in Neurobiology, 2021, 205, 102124.	5.7	26
21	A collagen-binding protein enables molecular imaging of kidney fibrosis inÂvivo. Kidney International, 2020, 97, 609-614.	5.2	34
22	Diagnostic and Risk Factors for Complement Defects in Hypertensive Emergency and Thrombotic Microangiopathy. Hypertension, 2020, 75, 422-430.	2.7	46
23	Variability of Microcirculatory Measurements in Critically Ill Patients. Shock, 2020, 54, 9-14.	2.1	7
24	Neutrophils and Contact Activation of Coagulation as Potential Drivers of COVID-19. Circulation, 2020, 142, 1787-1790.	1.6	83
25	The Anticoagulant and Nonanticoagulant Properties of Heparin. Thrombosis and Haemostasis, 2020, 120, 1371-1383.	3.4	49
26	Extracellular Vesicles in CNS Developmental Disorders. International Journal of Molecular Sciences, 2020, 21, 9428.	4.1	18
27	The natural course of pregnancies in women with primary atypical haemolytic uraemic syndrome and asymptomatic relatives. British Journal of Haematology, 2020, 190, 442-449.	2.5	12
28	Annexin A1/Formyl Peptide Receptor Pathway Controls Uterine Receptivity to the Blastocyst. Cells, 2020, 9, 1188.	4.1	18
29	More about complement in the antiphospholipid syndrome. Blood, 2020, 136, 1456-1459.	1.4	5
30	Reactive Oxygen-Forming Nox5 Links Vascular Smooth Muscle Cell Phenotypic Switching and Extracellular Vesicle-Mediated Vascular Calcification. Circulation Research, 2020, 127, 911-927.	4.5	104
31	Annexin A1 drives macrophage skewing to accelerate muscle regeneration through AMPK activation. Journal of Clinical Investigation, 2020, 130, 1156-1167.	8.2	112
32	The GRâ€ANXA1 pathway is a pathological player and a candidate target in epilepsy. FASEB Journal, 2019, 33, 13998-14009.	0.5	19
33	Low human and murine Mcl-1 expression leads to a pro-apoptotic plaque phenotype enriched in giant-cells. Scientific Reports, 2019, 9, 14547.	3.3	5
34	Control of expression and activity of peroxisome proliferatedâ€activated receptor Î³ by Annexin A1 on microglia during efferocytosis. Cell Biochemistry and Function, 2019, 37, 560-568.	2.9	13
35	Extracellular annexin-A1 promotes myeloid/granulocytic differentiation of hematopoietic stem/progenitor cells via the Ca2+/MAPK signalling transduction pathway. Cell Death Discovery, 2019, 5, 135.	4.7	25
36	Pro-Angiogenic Macrophage Phenotype to Promote Myocardial Repair. Journal of the American College of Cardiology, 2019, 73, 2990-3002.	2.8	117

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37	Role of Vascular Smooth Muscle Cell Phenotypic Switching and Calcification in Aortic Aneurysm Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1351-1368.	2.4	203
38	Identification of AnnexinA1 as an Endogenous Regulator of RhoA, and Its Role in the Pathophysiology and Experimental Therapy of Type-2 Diabetes. Frontiers in Immunology, 2019, 10, 571.	4.8	43
39	Proteomic analysis of neutrophils in ANCA-associated vasculitis reveals a dysregulation in proteinase 3-associated proteins such as annexin-A1 involved in apoptotic cell clearance. Kidney International, 2019, 96, 397-408.	5.2	32
40	Connections of annexin A1 and translocator protein-18â€¯kDa on toll like receptor stimulated BV-2 cells. Experimental Cell Research, 2018, 367, 282-290.	2.6	7
41	Targeted Imaging for Cell Death in Cardiovascular Disorders. JACC: Cardiovascular Imaging, 2018, 11, 476-493.	5.3	34
42	Insights into 3D Structure of ADAMTS13: A Stepping Stone towards Novel Therapeutic Treatment of Thrombotic Thrombocytopenic Purpura. Thrombosis and Haemostasis, 2018, 118, 028-041.	3.4	16
43	Ucma/GRP inhibits phosphate-induced vascular smooth muscle cell calcification via SMAD-dependent BMP signalling. Scientific Reports, 2018, 8, 4961.	3.3	46
44	Coronary Artery Calcification. JACC: Cardiovascular Imaging, 2018, 11, 1324-1326.	5.3	11
45	Annexin A1 attenuates microvascular complications through restoration of Akt signalling in a murine model of type 1 diabetes. Diabetologia, 2018, 61, 482-495.	6.3	48
46	AnnexinA5-pHrodo: a new molecular probe for measuring efferocytosis. Scientific Reports, 2018, 8, 17731.	3.3	5
47	C5b9 Formation on Endothelial Cells Reflects Complement Defects among Patients with Renal Thrombotic Microangiopathy and Severe Hypertension. Journal of the American Society of Nephrology: JASN, 2018, 29, 2234-2243.	6.1	73
48	Patients with hypertension-associated thromboticÂmicroangiopathy may present withÂcomplement abnormalities. Kidney International, 2017, 91, 1420-1425.	5.2	101
49	Circulating annexin A5 levels are associated with carotid intima-media thickness but not coronary plaque composition. Diabetes and Vascular Disease Research, 2017, 14, 415-422.	2.0	4
50	Presence of Cytotoxic Extracellular Histones in Machine Perfusate of Donation After Circulatory Death Kidneys. Transplantation, 2017, 101, e93-e101.	1.0	20
51	Protective Aptitude of Annexin A1 in Arterial Neointima Formation in Atherosclerosis-Prone Miceâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 312-315.	2.4	28
52	Circulating annexin A5 predicts mortality in patients with heart failure. Journal of Internal Medicine, 2016, 279, 89-97.	6.0	21
53	Vascular calcification in chronic kidney disease: an update. Nephrology Dialysis Transplantation, 2016, 31, 31-39.	0.7	203
54	YIA6â€...Medial Vascular Smooth Muscle Cell Cytopenia Accelerates Atherogenesis in APOE-/-MICE. Heart, 2015, 101, A124.2-A125.	2.9	0

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55	Pharmacological Treatment with Annexin A1 Reduces Atherosclerotic Plaque Burden in LDLR-/- Mice on Western Type Diet. PLoS ONE, 2015, 10, e0130484.	2.5	54
56	Vascular Smooth Muscle Cell Calcification Is Mediated by Regulated Exosome Secretion. Circulation Research, 2015, 116, 1312-1323.	4.5	419
57	Extracellular histone H3 levels are inversely correlated with antithrombin levels and platelet counts and are associated with mortality in sepsis patients. Thrombosis Research, 2015, 136, 542-547.	1.7	60
58	Molecular Imaging of Cell Death in Tumors. Increasing Annexin A5 Size Reduces Contribution of Phosphatidylserine-Targeting Function to Tumor Uptake. PLoS ONE, 2014, 9, e96749.	2.5	7
59	Effects of Exogenous Recombinant APC in Mouse Models of Ischemia Reperfusion Injury and of Atherosclerosis. PLoS ONE, 2014, 9, e101446.	2.5	10
60	A Dual-Labeled Annexin A5 is not Suited for SPECT Imaging of Brain Cell Death in Experimental Murine Stroke. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, e1-e7.	4.3	7
61	AnxA5 reduces plaque inflammation of advanced atherosclerotic lesions in apoE^{â^'/â^'} mice. Journal of Cellular and Molecular Medicine, 2014, 18, 2117-2124.	3.6	26
62	Nonanticoagulant heparin prevents histone-mediated cytotoxicity in vitro and improves survival in sepsis. Blood, 2014, 123, 1098-1101.	1.4	242
63	The realm of vitamin K dependent proteins: Shifting from coagulation toward calcification. Molecular Nutrition and Food Research, 2014, 58, 1620-1635.	3.3	100
64	Vitamin K-dependent carboxylation of matrix Gla-protein: a crucial switch to control ectopic mineralization. Trends in Molecular Medicine, 2013, 19, 217-226.	6.7	244
65	Vascular calcification: The price to pay for anticoagulation therapy with vitamin K-antagonists. Blood Reviews, 2012, 26, 155-166.	5.7	136
66	Vitamin K-Antagonists Accelerate Atherosclerotic Calcification and Induce a Vulnerable Plaque Phenotype. PLoS ONE, 2012, 7, e43229.	2.5	127
67	Mechanisms of arterial remodeling: lessons from genetic diseases. Frontiers in Genetics, 2012, 3, 290.	2.3	122
68	Preliminary in vivo evaluation of a novel 99mTc-Labeled HYNIC-cys-annexin A5 as an apoptosis imaging agent. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3794-3798.	2.2	38
69	Annexin A5 inhibits engulfment through internalization of PS-expressing cell membrane patches. Experimental Cell Research, 2006, 312, 719-726.	2.6	50
70	In vitro measurement of cell death with the annexin A5 affinity assay. Nature Protocols, 2006, 1, 363-367.	12.0	81
71	Novel Conformation-Specific Antibodies Against Matrix Î³-Carboxyglutamic Acid (Gla) Protein. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1629-1633.	2.4	272
72	Past, present, and future of annexin A5: from protein discovery to clinical applications. Journal of Nuclear Medicine, 2005, 46, 2035-50.	5.0	230

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73	Visualization of cell death in vivo with the annexin A5 imaging protocol. Journal of Immunological Methods, 2002, 265, 123-132.	1.4	56
74	Transient expression of phosphatidylserine at cell-cell contact areas is required for myotube formation. Journal of Cell Science, 2001, 114, 3631-3642.	2.0	247
75	Annexins: key regulators of haemostasis, thrombosis, and apoptosis. Thrombosis and Haemostasis, 2001, 86, 413-9.	3.4	17
76	Transient expression of phosphatidylserine at cell-cell contact areas is required for myotube formation. Journal of Cell Science, 2001, 114, 3631-42.	2.0	202
77	Phagocytosis of dying chondrocytes by osteoclasts in the mouse growth plate as demonstrated by annexin-V labelling. Cell and Tissue Research, 2000, 301, 267-272.	2.9	25
78	Decreased concentration of Annexin V in Parkinsonian cerebrospinal fluid: Speculation on the underlying cause. Movement Disorders, 1999, 14, 1008-1010.	3.9	26
79	A New Principle for Rapid Immunoassay of Proteins Based on In Situ Precipitate-Enhanced Ellipsometry. Biophysical Journal, 1999, 76, 2769-2776.	0.5	23
80	Cell surface exposure of phosphatidylserine during apoptosis is phylogenetically conserved. Apoptosis: an International Journal on Programmed Cell Death, 1998, 3, 9-16.	4.9	122
81	Annexin V-Affinity assay: A review on an apoptosis detection system based on phosphatidylserine exposure. Cytometry, 1998, 31, 1-9.	1.8	1,567
82	Annexin V-Affinity assay: A review on an apoptosis detection system based on phosphatidylserine exposure. , 1998, 31, 1.		6
83	Annexin V, the regulator of phosphatidylserine-catalyzed inflammation and coagulation during apoptosis. Cellular and Molecular Life Sciences, 1997, 53, 527-532.	5.4	208
84	Activation during preparation of therapeutic platelets affects deterioration during storage: a comparative flow cytometric study of different production methods. British Journal of Haematology, 1997, 98, 86-95.	2.5	157
85	A novel assay to measure loss of plasma membrane asymmetry during apoptosis of adherent cells in culture. Cytometry, 1996, 24, 131-139.	1.8	451
86	A novel assay to measure loss of plasma membrane asymmetry during apoptosis of adherent cells in culture. , 1996, 24, 131.		3
87	The Complexity of the Phospholipid Binding Protein Annexin V. Thrombosis and Haemostasis, 1995, 73, 172-179.	3.4	181
88	The complexity of the phospholipid binding protein Annexin V. Thrombosis and Haemostasis, 1995, 73, 172-9.	3.4	46
89	Differential tissue expression of Annexin VIII in human. FEBS Letters, 1994, 349, 120-124.	2.8	26
90	Binding of vascular anticoagulant alpha (VAC alpha) to planar phospholipid bilayers. Journal of Biological Chemistry, 1990, 265, 4923-8.	3.4	433

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91	Vascular anticoagulant beta: a novel human Ca2+/phospholipid binding protein that inhibits coagulation and phospholipase A2 activity. Its molecular cloning, expression and comparison with VAC-alpha. FEBS Journal, 1989, 185, 63-71.	0.2	85
92	Purification and characterization of a novel protein from bovine aorta that inhibits coagulation. Inhibition of the phospholipid-dependent factor-Xa -catalyzed prothrombin activation, through a high-affinity binding of the anticoagulant to the phospholipids. FEBS Journal, 1988, 173, 171-178.	0.2	73
93	Cloning and expression of cDNA for human vascular anticoagulant, a Ca2+-dependent phospholipid-binding protein. FEBS Journal, 1988, 174, 585-592.	0.2	95