

Karsten Grote

List of Publications by Year in descending order

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63
papers

3,981
citations

186209

28
h-index

161767

54
g-index

65
all docs

65
docs citations

65
times ranked

5769
citing authors

#	ARTICLE	IF	CITATIONS
1	Cutting Edge: Preferentially the <i>R</i> -Stereoisomer of the Mycoplasmal Lipopeptide Macrophage-Activating Lipopeptide-2 Activates Immune Cells Through a Toll-Like Receptor 2- and MyD88-Dependent Signaling Pathway. <i>Journal of Immunology</i> , 2000, 164, 554-557.	0.4	550
2	Mechanical Stretch Enhances mRNA Expression and Proenzyme Release of Matrix Metalloproteinase-2 (MMP-2) via NAD(P)H Oxidase-Derived Reactive Oxygen Species. <i>Circulation Research</i> , 2003, 92, e80-6.	2.0	366
3	Impact of Interleukin-6 on Plaque Development and Morphology in Experimental Atherosclerosis. <i>Circulation</i> , 2004, 110, 3493-3500.	1.6	285
4	Significance of plasmalemma aquaporins for water transport in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 1998, 14, 121-128.	2.8	272
5	How much is too much? Interleukin-6 and its signalling in atherosclerosis. <i>Thrombosis and Haemostasis</i> , 2009, 102, 215-222.	1.8	247
6	The <i>Nicotiana tabacum</i> plasma membrane aquaporin NtAQP1 is mercury-insensitive and permeable for glycerol. <i>Plant Journal</i> , 1999, 18, 565-570.	2.8	221
7	Transsignaling of Interleukin-6 Crucially Contributes to Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 281-290.	1.1	203
8	Critical Role of the NAD(P)H Oxidase Subunit p47 phox for Left Ventricular Remodeling/Dysfunction and Survival After Myocardial Infarction. <i>Circulation Research</i> , 2007, 100, 894-903.	2.0	192
9	Angiotensin II induces MMP-2 in a p47phox-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 183-188.	1.0	114
10	JANUS under stress—Role of JAK/STAT signaling pathway in vascular diseases. <i>Vascular Pharmacology</i> , 2005, 43, 357-363.	1.0	105
11	Regulation of Proangiogenic Factor CCN1 in Cardiac Muscle. <i>Circulation</i> , 2004, 109, 2227-2233.	1.6	104
12	The angiogenic factor CCN1 promotes adhesion and migration of circulating CD34+ progenitor cells: potential role in angiogenesis and endothelial regeneration. <i>Blood</i> , 2007, 110, 877-885.	0.6	102
13	Toll-like receptor 2/6 stimulation promotes angiogenesis via GM-CSF as a potential strategy for immune defense and tissue regeneration. <i>Blood</i> , 2010, 115, 2543-2552.	0.6	73
14	Chemokine Receptor 7 Knockout Attenuates Atherosclerotic Plaque Development. <i>Circulation</i> , 2010, 122, 1621-1628.	1.6	73
15	Signal transducer of inflammation gp130 modulates atherosclerosis in mice and man. <i>Journal of Experimental Medicine</i> , 2007, 204, 1935-1944.	4.2	63
16	Actin-Binding Rho Activating Protein (<i>Arp2/3</i>) Is Essential for Fluid Shear Stress-Induced Arteriogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 2093-2101.	1.1	62
17	Interleukin-6 receptor inhibition modulates the immune reaction and restores titin phosphorylation in experimental myocarditis. <i>Basic Research in Cardiology</i> , 2014, 109, 449.	2.5	55
18	Immunostimulation with Macrophage-Activating Lipopeptide-2 Increased Survival in Murine Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 474-481.	1.4	54

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19	Toll-Like Receptors in Angiogenesis. <i>Scientific World Journal, The</i> , 2011, 11, 981-991.	0.8	54
20	Experimental Gingivitis Induces Systemic Inflammatory Markers in Young Healthy Individuals: A Single-Subject Interventional Study. <i>PLoS ONE</i> , 2013, 8, e55265.	1.1	52
21	Combined effects of HMG-CoA-reductase inhibition and renin-angiotensin system blockade on experimental atherosclerosis. <i>Atherosclerosis</i> , 2005, 182, 57-69.	0.4	51
22	Stretch-inducible Expression of the Angiogenic Factor CCN1 in Vascular Smooth Muscle Cells Is Mediated by Egr-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 55675-55681.	1.6	43
23	Renin-angiotensin system and atherosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 770-773.	0.4	42
24	Ex vivo expanded hematopoietic progenitor cells improve cardiac function after myocardial infarction: Role of β -catenin transduction and cell dose. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 394-403.	0.9	40
25	Renovascular hypertension by two-kidney one-clip enhances endothelial progenitor cell mobilization in a p47phox-dependent manner. <i>Journal of Hypertension</i> , 2008, 26, 257-268.	0.3	40
26	Postnatal Life Events Affect the Severity of Asthmatic Airway Inflammation in the Adult Rat. <i>Journal of Immunology</i> , 2008, 180, 3919-3925.	0.4	37
27	Interleukin-1 Assembles a Proangiogenic Signaling Module Consisting of Caveolin-1, Tumor Necrosis Factor Receptor-Associated Factor 6, p38-Mitogen-Activated Protein Kinase (MAPK), and MAPK-Activated Protein Kinase 2 in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1280-1288.	1.1	36
28	Critical role for p47phox in renin-angiotensin system activation and blood pressure regulation. <i>Cardiovascular Research</i> , 2006, 71, 596-605.	1.8	35
29	Heparan Sulfate-Editing Extracellular Sulfatases Enhance VEGF Bioavailability for Ischemic Heart Repair. <i>Circulation Research</i> , 2019, 125, 787-801.	2.0	35
30	Anti-tumor necrosis factor- α therapy increases plaque burden in a mouse model of experimental atherosclerosis. <i>Atherosclerosis</i> , 2018, 277, 80-89.	0.4	29
31	Differential Expression of MicroRNAs in Endarterectomy Specimens Taken from Patients with Asymptomatic and Symptomatic Carotid Plaques. <i>PLoS ONE</i> , 2016, 11, e0161632.	1.1	29
32	Targeting Tumor Necrosis Factor- α with Adalimumab: Effects on Endothelial Activation and Monocyte Adhesion. <i>PLoS ONE</i> , 2016, 11, e0160145.	1.1	28
33	Lipocalin (LCN) 2 Mediates Pro-Atherosclerotic Processes and Is Elevated in Patients with Coronary Artery Disease. <i>PLoS ONE</i> , 2015, 10, e0137924.	1.1	28
34	Intratracheal Macrophage-Activating Lipopeptide-2 Reduces Metastasis in the Rat Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 316-321.	1.4	26
35	Polystyrene microplastic particles induce endothelial activation. <i>PLoS ONE</i> , 2021, 16, e0260181.	1.1	19
36	NADPH oxidase NOX2 mediates TLR2/6-dependent release of GM-CSF from endothelial cells. <i>FASEB Journal</i> , 2017, 31, 2612-2624.	0.2	18

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37	Angiotensin II type 1-receptor antagonism prevents type IIA secretory phospholipase A2-dependent lipid peroxidation. <i>Atherosclerosis</i> , 2007, 194, 62-70.	0.4	17
38	<i>Ex vivo</i> expanded haematopoietic progenitor cells improve dermal wound healing by paracrine mechanisms. <i>Experimental Dermatology</i> , 2009, 18, 445-453.	1.4	17
39	Deficiency of Nucleotide-binding oligomerization domain-containing proteins (NOD) 1 and 2 reduces atherosclerosis. <i>Basic Research in Cardiology</i> , 2020, 115, 47.	2.5	17
40	Gp130-Dependent Release of Acute Phase Proteins Is Linked to the Activation of Innate Immune Signaling Pathways. <i>PLoS ONE</i> , 2011, 6, e19427.	1.1	16
41	Toll-Like Receptor 2/6 Agonist Macrophage-Activating Lipopeptide-2 Promotes Reendothelialization and Inhibits Neointima Formation After Vascular Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2097-2104.	1.1	16
42	Variety matters: Diverse functions of monocyte subtypes in vascular inflammation and atherogenesis. <i>Vascular Pharmacology</i> , 2019, 113, 9-19.	1.0	16
43	Elevated expression of the metalloproteinase ADAM8 associates with vascular diseases in mice and humans. <i>Atherosclerosis</i> , 2019, 286, 163-171.	0.4	15
44	Local pulmonary immune stimulation by the Toll-like receptor 2 and 6 ligand MALP-2 in rats is age dependent. <i>Immunology Letters</i> , 2007, 108, 167-173.	1.1	14
45	The Lipopeptide MALP-2 Promotes Collateral Growth. <i>Cells</i> , 2020, 9, 997.	1.8	10
46	Mechanical Stress Modulates SOCS-1 Expression in Human Vascular Smooth Muscle Cells. <i>Journal of Vascular Research</i> , 2010, 47, 432-440.	0.6	8
47	Role of Suppressor of Cytokine Signaling-1 In Murine Atherosclerosis. <i>PLoS ONE</i> , 2012, 7, e51608.	1.1	8
48	Monocyte subpopulation profiling indicates CDK6-derived cell differentiation and identifies subpopulation-specific miRNA expression sets in acute and stable coronary artery disease. <i>Scientific Reports</i> , 2022, 12, 5589.	1.6	7
49	ADAMTS13—marker of contractile phenotype of arterial smooth muscle cells lost in benign nephrosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 1871-1881.	0.4	6
50	Case Report: Arterial Wall Inflammation in Atherosclerotic Cardiovascular Disease is Reduced by Olamkicept (sgp130Fc). <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
51	Hepatocyte gp130 Deficiency Reduces Vascular Remodeling After Carotid Artery Ligation. <i>Hypertension</i> , 2009, 54, 1035-1042.	1.3	5
52	Suppressor of Cytokine Signaling 1 is Involved in Gene Regulation Which Controls the Survival of Ly6Clow Monocytes in Mice. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 336-353.	1.1	5
53	Identification of microRNAs involved in NOD-dependent induction of pro-inflammatory genes in pulmonary endothelial cells. <i>PLoS ONE</i> , 2020, 15, e0228764.	1.1	4
54	Anti-Inflammatory Effects of C1q/Tumor Necrosis Factor-Related Protein 3 (CTRP3) in Endothelial Cells. <i>Cells</i> , 2021, 10, 2146.	1.8	4

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55	Extracellular Ribosomal RNA Acts Synergistically with Toll-like Receptor 2 Agonists to Promote Inflammation. <i>Cells</i> , 2022, 11, 1440.	1.8	3
56	Toll-Like Receptor-Linked Signal Transduction in Angiogenesis. , 2013, , 139-157.		2
57	Toll-Like Receptors in Angiogenesis. , 2017, , 37-58.		1
58	Title is missing!. , 2020, 15, e0228764.		0
59	Title is missing!. , 2020, 15, e0228764.		0
60	Title is missing!. , 2020, 15, e0228764.		0
61	Title is missing!. , 2020, 15, e0228764.		0
62	Title is missing!. , 2020, 15, e0228764.		0
63	Title is missing!. , 2020, 15, e0228764.		0