

# Grietje Molema

## List of Publications by Year in descending order

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64  
papers

2,034  
citations

172457

29  
h-index

276875

41  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3414  
citing authors

#	ARTICLE	IF	CITATIONS
1	The in vivo endothelial cell transcriptome is highly heterogeneous across vascular beds. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23618-23624.	7.1	89
2	Oral Carnosine Supplementation Prevents Vascular Damage in Experimental Diabetic Retinopathy. Cellular Physiology and Biochemistry, 2011, 28, 125-136.	1.6	87
3	Vascular Heterogeneity in the Kidney. Seminars in Nephrology, 2012, 32, 145-155.	1.6	77
4	Time course of the angiogenic response during normotrophic and hypertrophic scar formation in humans. Wound Repair and Regeneration, 2011, 19, 292-301.	3.0	72
5	Interactions between Blood-Borne Streptococcus pneumoniae and the Blood-Brain Barrier Preceding Meningitis. PLoS ONE, 2013, 8, e68408.	2.5	72
6	Heterogeneity in Endothelial Responsiveness to Cytokines, Molecular Causes, and Pharmacological Consequences. Seminars in Thrombosis and Hemostasis, 2010, 36, 246-264.	2.7	69
7	Angiogenesis in Synchronous and Metachronous Colorectal Liver Metastases. Annals of Surgery, 2012, 255, 86-94.	4.2	68
8	Off-Pump CABG Surgery Reduces Systemic Inflammation Compared With On-Pump Surgery but Does Not Change Systemic Endothelial Responses. Shock, 2014, 42, 121-128.	2.1	56
9	Anti-VCAM-1 and Anti-E-selectin SAINT-O-Somes for Selective Delivery of siRNA into Inflammation-Activated Primary Endothelial Cells. Molecular Pharmaceutics, 2013, 10, 3033-3044.	4.6	55
10	Hypoxia-Inducible Factor-1 as Regulator of Angiogenesis in Rheumatoid Arthritis - Therapeutic Implications. Current Medicinal Chemistry, 2010, 17, 254-263.	2.4	54
11	Anti-VCAM-1 SAINT-O-Somes enable endothelial-specific delivery of siRNA and downregulation of inflammatory genes in activated endothelium in vivo. Journal of Controlled Release, 2014, 176, 64-75.	9.9	54
12	Identification of LPS-Activated Endothelial Subpopulations With Distinct Inflammatory Phenotypes and Regulatory Signaling Mechanisms. Frontiers in Immunology, 2019, 10, 1169.	4.8	53
13	Renal microvascular endothelial cell responses in sepsis-induced acute kidney injury. Nature Reviews Nephrology, 2022, 18, 95-112.	9.6	53
14	Signalling or binding: the role of the platelet-activating factor receptor in invasive pneumococcal disease. Cellular Microbiology, 2013, 15, 870-881.	2.1	51
15	Vascular bed-specific regulation of the von Willebrand factor promoter in the heart and skeletal muscle. Blood, 2011, 117, 342-351.	1.4	41
16	Intracellular RIG-I Signaling Regulates TLR4-Independent Endothelial Inflammatory Responses to Endotoxin. Journal of Immunology, 2016, 196, 4681-4691.	0.8	41
17	Targeted transfection increases siRNA uptake and gene silencing of primary endothelial cells in vitro - A quantitative study. Journal of Controlled Release, 2010, 141, 241-251.	9.9	39
18	The flow dependency of Tie2 expression in endotoxemia. Intensive Care Medicine, 2013, 39, 1262-1271.	8.2	39

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19	Platelet Endothelial Cell Adhesion Molecule-1, a Putative Receptor for the Adhesion of Streptococcus pneumoniae to the Vascular Endothelium of the Blood-Brain Barrier. <i>Infection and Immunity</i> , 2014, 82, 3555-3566.	2.2	39
20	Effects of p38 mitogen-activated protein kinase inhibition on anti-neutrophil cytoplasmic autoantibody pathogenicity in vitro and in vivo. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 356-365.	0.9	37
21	FOXO3 Modulates Endothelial Gene Expression and Function by Classical and Alternative Mechanisms. <i>Journal of Biological Chemistry</i> , 2010, 285, 10163-10178.	3.4	36
22	Egr-1 Expression During Neointimal Development in Flow-Associated Pulmonary Hypertension. <i>American Journal of Pathology</i> , 2011, 179, 2199-2209.	3.8	35
23	A critical role for Egr-1 during vascular remodelling in pulmonary arterial hypertension. <i>Cardiovascular Research</i> , 2014, 103, 573-584.	3.8	35
24	Targeting Rapamycin to Podocytes Using a Vascular Cell Adhesion Molecule-1 (VCAM-1)-Harnesses SAINT-Based Lipid Carrier System. <i>PLoS ONE</i> , 2015, 10, e0138870.	2.5	35
25	Targeted SAINT-O-Somes for improved intracellular delivery of siRNA and cytotoxic drugs into endothelial cells. <i>Journal of Controlled Release</i> , 2010, 144, 341-349.	9.9	32
26	Angiotensin/Tie2 Dysbalance Is Associated with Acute Kidney Injury after Cardiac Surgery Assisted by Cardiopulmonary Bypass. <i>PLoS ONE</i> , 2015, 10, e0136205.	2.5	32
27	Hyperglycaemic memory affects the neurovascular unit of the retina in a diabetic mouse model. <i>Diabetologia</i> , 2017, 60, 1354-1358.	6.3	32
28	COX-2 Inhibition Combined with Radiation Reduces Orthotopic Glioma Outgrowth by Targeting the Tumor Vasculature. <i>Translational Oncology</i> , 2009, 2, 1-7.	3.7	31
29	Angiotensin-1 Treatment Reduces Inflammation but Does Not Prevent Ventilator-Induced Lung Injury. <i>PLoS ONE</i> , 2010, 5, e15653.	2.5	31
30	Streptococcus pneumoniae Interacts with pIgR Expressed by the Brain Microvascular Endothelium but Does Not Co-Localize with PAF Receptor. <i>PLoS ONE</i> , 2014, 9, e97914.	2.5	29
31	Effective siRNA delivery to inflamed primary vascular endothelial cells by anti-E-selectin and anti-VCAM-1 PEGylated SAINT-based lipoplexes. <i>International Journal of Pharmaceutics</i> , 2014, 459, 40-50.	5.2	29
32	Analyzing Neutrophil Morphology, Mechanics, and Motility in Sepsis. <i>Critical Care Medicine</i> , 2016, 44, 218-228.	0.9	29
33	Endothelial Interferon Regulatory Factor 1 Regulates Lipopolysaccharide-Induced VCAM-1 Expression Independent of NF- $\kappa$ B. <i>Journal of Innate Immunity</i> , 2017, 9, 546-560.	3.8	29
34	Liposome-encapsulated dexamethasone attenuates ventilator-induced lung inflammation. <i>British Journal of Pharmacology</i> , 2011, 163, 1048-1058.	5.4	27
35	Deeper Penetration into Tumor Tissues and Enhanced in Vivo Antitumor Activity of Liposomal Paclitaxel by Pretreatment with Angiogenesis Inhibitor SU5416. <i>Molecular Pharmaceutics</i> , 2012, 9, 3486-3494.	4.6	24
36	VCAM-1 specific PEGylated SAINT-based lipoplexes deliver siRNA to activated endothelium in vivo but do not attenuate target gene expression. <i>International Journal of Pharmaceutics</i> , 2014, 469, 121-131.	5.2	23

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37	Vascular endothelial growth factor receptor 2 (VEGFR $\alpha$ 2) signalling activity in paediatric pilocytic astrocytoma is restricted to tumour endothelial cells. <i>Neuropathology and Applied Neurobiology</i> , 2011, 37, 538-548.	3.2	22
38	Adiponectin Diminishes Organ-Specific Microvascular Endothelial Cell Activation Associated With Sepsis. <i>Shock</i> , 2012, 37, 392-398.	2.1	22
39	The absence of angiopoietin-2 leads to abnormal vascular maturation and persistent proliferative retinopathy. <i>Thrombosis and Haemostasis</i> , 2009, 102, 120-130.	3.4	21
40	Renal Klotho is Reduced in Septic Patients and Pretreatment With Recombinant Klotho Attenuates Organ Injury in Lipopolysaccharide-Challenged Mice. <i>Critical Care Medicine</i> , 2018, 46, e1196-e1203.	0.9	21
41	Perioperative Conditions Affect Long-term Hypertrophic Scar Formation. <i>Annals of Plastic Surgery</i> , 2010, 65, 321-325.	0.9	20
42	Tumor vessel biology in pediatric intracranial ependymoma. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 5, 335-341.	1.3	19
43	Syntheses and structure-activity relationships for some triazolyl p38 $\beta$ MAPK inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1352-1357.	2.2	19
44	Spatiotemporal expression of chemokines and chemokine receptors in experimental anti-myeloperoxidase antibody-mediated glomerulonephritis. <i>Clinical and Experimental Immunology</i> , 2009, 158, 143-153.	2.6	18
45	Hepatocellular Carcinomas in Cirrhotic and Noncirrhotic Human Livers Share Angiogenic Characteristics. <i>Annals of Surgical Oncology</i> , 2010, 17, 1564-1571.	1.5	18
46	Pleiotropic effects of angiopoietin-2 deficiency do not protect mice against endotoxin-induced acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 567-575.	0.7	18
47	Abrupt Reflow Enhances Cytokine-Induced Proinflammatory Activation of Endothelial Cells During Simulated Shock and Resuscitation. <i>Shock</i> , 2014, 42, 356-364.	2.1	18
48	Endothelium-targeted delivery of dexamethasone by anti-VCAM-1 SAINT-O-Somes in mouse endotoxemia. <i>PLoS ONE</i> , 2018, 13, e0196976.	2.5	18
49	Molecular characterization of the vascular features of focal nodular hyperplasia and hepatocellular adenoma: A role for angiopoietin-1. <i>Hepatology</i> , 2010, 52, 540-549.	7.3	16
50	Inhibition of VCAM-1 expression in endothelial cells by CORM-3: The role of the ubiquitin-proteasome system, p38, and mitochondrial respiration. <i>Free Radical Biology and Medicine</i> , 2012, 52, 794-802.	2.9	16
51	Innovations in studying in vivo cell behavior and pharmacology in complex tissues - microvascular endothelial cells in the spotlight. <i>Cell and Tissue Research</i> , 2013, 354, 647-669.	2.9	16
52	Local Medial Microenvironment Directs Phenotypic Modulation of Smooth Muscle Cells After Experimental Renal Transplantation. <i>American Journal of Transplantation</i> , 2012, 12, 1429-1440.	4.7	15
53	Targeted adenovirus mediated inhibition of NF- $\kappa$ B-dependent inflammatory gene expression in endothelial cells in vitro and in vivo. <i>Journal of Controlled Release</i> , 2013, 166, 57-65.	9.9	15
54	Histone Deacetylase Inhibition and $\kappa$ B Kinase/Nuclear Factor- $\kappa$ B Blockade Ameliorate Microvascular Proinflammatory Responses Associated With Hemorrhagic Shock/Resuscitation in Mice*. <i>Critical Care Medicine</i> , 2015, 43, e567-e580.	0.9	15

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55	Renal Heparan Sulfate Proteoglycans Modulate Fibroblast Growth Factor 2 Signaling in Experimental Chronic Transplant Dysfunction. <i>American Journal of Pathology</i> , 2013, 183, 1571-1584.	3.8	12
56	Vascular endothelial growth factor receptor 2 inhibition in-vivo affects tumor vasculature in a tumor type-dependent way and downregulates vascular endothelial growth factor receptor 2 protein without a prominent role for miR-296. <i>Anti-Cancer Drugs</i> , 2012, 23, 161-172.	1.4	10
57	Correlation of MicroRNA-16, MicroRNA-21 and MicroRNA-101 Expression with Cyclooxygenase-2 Expression and Angiogenic Factors in Cirrhotic and Noncirrhotic Human Hepatocellular Carcinoma. <i>PLoS ONE</i> , 2014, 9, e95826.	2.5	10
58	SAINT-liposome-polycation particles, a new carrier for improved delivery of siRNAs to inflamed endothelial cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 40-47.	4.3	9
59	Markers of endothelial cell activation in suspected late onset neonatal sepsis in Surinamese newborns: a pilot study. <i>Translational Pediatrics</i> , 2019, 8, 412-418.	1.2	8
60	Synthesis and structure-activity relationships of 4-fluorophenyl-imidazole p38 MAPK, CK1 and JAK2 kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3412-3418.	2.2	7
61	Pharmacological inhibition of focal adhesion kinase 1 (FAK1) and anaplastic lymphoma kinase (ALK) identified via kinome profile analysis attenuates lipopolysaccharide-induced endothelial inflammatory activation. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111073.	5.6	7
62	Combining laser microdissection and microRNA expression profiling to unmask microRNA signatures in complex tissues. <i>BioTechniques</i> , 2019, 67, 276-285.	1.8	6
63	Pattern of tamoxifen-induced Tie2 deletion in endothelial cells in mature blood vessels using endo SCL-Cre-ERT transgenic mice. <i>PLoS ONE</i> , 2022, 17, e0268986.	2.5	2
64	Plasma from patients undergoing coronary artery bypass graft surgery does not activate endothelial cells under shear stress in vitro. <i>International Journal of Critical Illness and Injury Science</i> , 2021, 11, 144.	0.6	1