

# Andreas Schober

## List of Publications by Citations

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93  
papers

9,866  
citations

50  
h-index

99  
g-index

102  
ext. papers

11,069  
ext. citations

10.7  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
93	Delivery of microRNA-126 by apoptotic bodies induces CXCL12-dependent vascular protection. <i>Science Signaling</i> , <b>2009</b> , 2, ra81	8.8	978
92	MIF is a noncognate ligand of CXC chemokine receptors in inflammatory and atherogenic cell recruitment. <i>Nature Medicine</i> , <b>2007</b> , 13, 587-96	50.5	895
91	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , <b>2003</b> , 9, 61-7	50.5	820
90	Cardiac fibroblast-derived microRNA passenger strand-enriched exosomes mediate cardiomyocyte hypertrophy. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 2136-46	15.9	617
89	MicroRNA-126-5p promotes endothelial proliferation and limits atherosclerosis by suppressing Dlk1. <i>Nature Medicine</i> , <b>2014</b> , 20, 368-76	50.5	427
88	MicroRNA-155 promotes atherosclerosis by repressing Bcl6 in macrophages. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 4190-202	15.9	359
87	Protective role of CXC receptor 4/CXC ligand 12 unveils the importance of neutrophils in atherosclerosis. <i>Circulation Research</i> , <b>2008</b> , 102, 209-17	15.7	322
86	SDF-1alpha/CXCR4 axis is instrumental in neointimal hyperplasia and recruitment of smooth muscle progenitor cells. <i>Circulation Research</i> , <b>2005</b> , 96, 784-91	15.7	314
85	Deposition of platelet RANTES triggering monocyte recruitment requires P-selectin and is involved in neointima formation after arterial injury. <i>Circulation</i> , <b>2002</b> , 106, 1523-9	16.7	288
84	Chemokines in vascular dysfunction and remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 1950-9	9.4	204
83	Chemokines: key regulators of mononuclear cell recruitment in atherosclerotic vascular disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 1997-2008	9.4	203
82	Crucial role of stromal cell-derived factor-1alpha in neointima formation after vascular injury in apolipoprotein E-deficient mice. <i>Circulation</i> , <b>2003</b> , 108, 2491-7	16.7	178
81	MicroRNA-126, -145, and -155: a therapeutic triad in atherosclerosis?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 449-54	9.4	166
80	The microRNA-342-5p fosters inflammatory macrophage activation through an Akt1- and microRNA-155-dependent pathway during atherosclerosis. <i>Circulation</i> , <b>2013</b> , 127, 1609-19	16.7	163
79	Stabilization of atherosclerotic plaques by blockade of macrophage migration inhibitory factor after vascular injury in apolipoprotein E-deficient mice. <i>Circulation</i> , <b>2004</b> , 109, 380-5	16.7	151
78	Lipoprotein-derived lysophosphatidic acid promotes atherosclerosis by releasing CXCL1 from the endothelium. <i>Cell Metabolism</i> , <b>2011</b> , 13, 592-600	24.6	146
77	Endothelial cells suppress monocyte activation through secretion of extracellular vesicles containing antiinflammatory microRNAs. <i>Blood</i> , <b>2015</b> , 125, 3202-12	2.2	144

76	Chemokines in vascular remodeling. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 97, 730-737	7	123
75	Oxidized phospholipids trigger atherogenic inflammation in murine arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 633-8	9.4	117
74	Crucial role of the CCL2/CCR2 axis in neointimal hyperplasia after arterial injury in hyperlipidemic mice involves early monocyte recruitment and CCL2 presentation on platelets. <i>Circulation Research</i> , <b>2004</b> , 95, 1125-33	15.7	109
73	Neointimal smooth muscle cells display a proinflammatory phenotype resulting in increased leukocyte recruitment mediated by P-selectin and chemokines. <i>Circulation Research</i> , <b>2004</b> , 94, 776-84	15.7	100
72	MicroRNAs in flow-dependent vascular remodelling. <i>Cardiovascular Research</i> , <b>2013</b> , 99, 294-303	9.9	98
71	Mechanical Activation of Hypoxia-Inducible Factor 1 Drives Endothelial Dysfunction at Atheroprone Sites. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 2087-2101	9.4	96
70	Reduction of the aortic inflammatory response in spontaneous atherosclerosis by blockade of macrophage migration inhibitory factor (MIF). <i>Atherosclerosis</i> , <b>2006</b> , 184, 28-38	3.1	95
69	Double-edged role of the CXCL12/CXCR4 axis in experimental myocardial infarction. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 2415-23	15.1	93
68	Pathogenic arterial remodeling: the good and bad of microRNAs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H1050-9	5.2	91
67	Endothelial Hypoxia-Inducible Factor-1 Promotes Atherosclerosis and Monocyte Recruitment by Upregulating MicroRNA-19a. <i>Hypertension</i> , <b>2015</b> , 66, 1220-6	8.5	88
66	The role of microRNAs in arterial remodelling. <i>Thrombosis and Haemostasis</i> , <b>2012</b> , 107, 611-8	7	84
65	Endothelial Dicer promotes atherosclerosis and vascular inflammation by miRNA-103-mediated suppression of KLF4. <i>Nature Communications</i> , <b>2016</b> , 7, 10521	17.4	81
64	MIF interacts with CXCR7 to promote receptor internalization, ERK1/2 and ZAP-70 signaling, and lymphocyte chemotaxis. <i>FASEB Journal</i> , <b>2015</b> , 29, 4497-511	0.9	78
63	Expression of HIF-1alpha in injured arteries controls SDF-1alpha mediated neointima formation in apolipoprotein E deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 2540-7	9.4	78
62	MicroRNA-mediated mechanisms of the cellular stress response in atherosclerosis. <i>Nature Reviews Cardiology</i> , <b>2015</b> , 12, 361-74	14.8	77
61	Intracoronary infusion of autologous bone marrow cells and left ventricular function after acute myocardial infarction: a meta-analysis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2006</b> , 10, 727-33	5.6	74
60	Differential roles of angiogenic chemokines in endothelial progenitor cell-induced angiogenesis. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 310	11.8	70
59	Lysophosphatidic acid in atherosclerotic diseases. <i>British Journal of Pharmacology</i> , <b>2012</b> , 167, 465-82	8.6	69

58	Involvement of JAM-A in mononuclear cell recruitment on inflamed or atherosclerotic endothelium: inhibition by soluble JAM-A. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 729-35	9.4	68
57	Paradoxical Suppression of Atherosclerosis in the Absence of microRNA-146a. <i>Circulation Research</i> , <b>2017</b> , 121, 354-367	15.7	66
56	CXCL12 promotes the stabilization of atherosclerotic lesions mediated by smooth muscle progenitor cells in ApoE-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 679-864	8.4	64
55	Regulation of Csf1r and Bcl6 in macrophages mediates the stage-specific effects of microRNA-155 on atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 796-803	9.4	63
54	SDF-1alpha-mediated tissue repair by stem cells: a promising tool in cardiovascular medicine?. <i>Trends in Cardiovascular Medicine</i> , <b>2006</b> , 16, 103-8	6.9	63
53	Blockade of keratinocyte-derived chemokine inhibits endothelial recovery and enhances plaque formation after arterial injury in ApoE-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 1891-6	9.4	61
52	NADPH-diaphorase in the central nervous system of the larval lamprey ( <i>Lampetra planeri</i> ). <i>Journal of Comparative Neurology</i> , <b>1994</b> , 345, 94-104	3.4	60
51	Hyperreactivity of junctional adhesion molecule A-deficient platelets accelerates atherosclerosis in hyperlipidemic mice. <i>Circulation Research</i> , <b>2015</b> , 116, 587-99	15.7	59
50	Mechanisms of monocyte recruitment in vascular repair after injury. <i>Antioxidants and Redox Signaling</i> , <b>2005</b> , 7, 1249-57	8.4	59
49	Chemokine-like functions of MIF in atherosclerosis. <i>Journal of Molecular Medicine</i> , <b>2008</b> , 86, 761-70	5.5	58
48	Lysophosphatidic acid receptors LPA1 and LPA3 promote CXCL12-mediated smooth muscle progenitor cell recruitment in neointima formation. <i>Circulation Research</i> , <b>2010</b> , 107, 96-105	15.7	56
47	Mechanisms of MicroRNAs in Atherosclerosis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , <b>2016</b> , 11, 583-616	34	56
46	Neutrophil microvesicles drive atherosclerosis by delivering miR-155 to atheroprone endothelium. <i>Nature Communications</i> , <b>2020</b> , 11, 214	17.4	55
45	Dicer in Macrophages Prevents Atherosclerosis by Promoting Mitochondrial Oxidative Metabolism. <i>Circulation</i> , <b>2018</b> , 138, 2007-2020	16.7	54
44	Activation of CXCR7 limits atherosclerosis and improves hyperlipidemia by increasing cholesterol uptake in adipose tissue. <i>Circulation</i> , <b>2014</b> , 129, 1244-53	16.7	52
43	MicroRNA-specific regulatory mechanisms in atherosclerosis. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 89, 35-41	5.8	49
42	Deficiency of endothelial CXCR4 reduces reendothelialization and enhances neointimal hyperplasia after vascular injury in atherosclerosis-prone mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1209-20	9.4	49
41	Central projections of the nervus terminalis and the nervus praeropticus in the lungfish brain revealed by nitric oxide synthase. <i>Journal of Comparative Neurology</i> , <b>1994</b> , 349, 1-19	3.4	48

40	Chemokines in vascular remodeling. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 97, 730-7	7	48
39	Indium-111 oxine labelling affects the cellular integrity of haematopoietic progenitor cells. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2007</b> , 34, 715-721	8.8	47
38	Chemokines and microRNAs in atherosclerosis. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 3253-66	10.3	46
37	Peripheral CD34+ cells and the risk of in-stent restenosis in patients with coronary heart disease. <i>American Journal of Cardiology</i> , <b>2005</b> , 96, 1116-22	3	46
36	MicroRNA regulation of macrophages in human pathologies. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 3473-95	10.3	43
35	miR-103 promotes endothelial maladaptation by targeting lncWDR59. <i>Nature Communications</i> , <b>2018</b> , 9, 2645	17.4	40
34	A small molecule CXCR4 antagonist inhibits neointima formation and smooth muscle progenitor cell mobilization after arterial injury. <i>Journal of Thrombosis and Haemostasis</i> , <b>2008</b> , 6, 1812-5	15.4	40
33	The response of heat shock proteins 25 and 72 to ischaemia in different kidney zones. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1997</b> , 434, 292-9	4.6	38
32	Virtual elastic sphere processing enables reproducible quantification of vessel stenosis at CT and MR angiography. <i>Radiology</i> , <b>2011</b> , 260, 709-17	20.5	34
31	MicroRNA-Based Therapy of GATA2-Deficient Vascular Disease. <i>Circulation</i> , <b>2016</b> , 134, 1973-1990	16.7	32
30	Adult progenitor cells in vascular remodeling during atherosclerosis. <i>Biological Chemistry</i> , <b>2008</b> , 389, 837-44	4.5	32
29	HIF-1[ $\alpha$ ] Promotes Macrophage Necroptosis by Regulating miR-210 and miR-383. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 583-596	9.4	31
28	Myocardial regeneration by transplantation of modified endothelial progenitor cells expressing SDF-1 in a rat model. <i>Journal of Cellular and Molecular Medicine</i> , <b>2012</b> , 16, 2311-20	5.6	27
27	Adventitial lymphatic capillary expansion impacts on plaque T cell accumulation in atherosclerosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 45263	4.9	25
26	Hyperlipidemia-Induced MicroRNA-155-5p Improves $\beta$ Cell Function by Targeting. <i>Diabetes</i> , <b>2017</b> , 66, 3072-3084	0.9	25
25	MicroRNA signatures in cardiac biopsies and detection of allograft rejection. <i>Journal of Heart and Lung Transplantation</i> , <b>2018</b> , 37, 1329-1340	5.8	25
24	MicroRNAs and the response to injury in atherosclerosis. <i>Hamostaseologie</i> , <b>2015</b> , 35, 142-50	1.9	22
23	CD34+CD140b+ cells and circulating CXCL12 correlate with the angiographically assessed severity of cardiac allograft vasculopathy. <i>European Heart Journal</i> , <b>2011</b> , 32, 476-84	9.5	20

22	The CXCR4 antagonist POL5551 is equally effective as sirolimus in reducing neointima formation without impairing re-endothelialisation. <i>Thrombosis and Haemostasis</i> , <b>2012</b> , 107, 356-68	7	20
21	Dexamethasone and restenosis after coronary stent implantation: new indication for an old drug?. <i>Current Pharmaceutical Design</i> , <b>2004</b> , 10, 349-55	3.3	20
20	High expression of C5L2 correlates with high proinflammatory cytokine expression in advanced human atherosclerotic plaques. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 2123-33	5.8	19
19	Macrophage MicroRNAs as Therapeutic Targets for Atherosclerosis, Metabolic Syndrome, and Cancer. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	18
18	Effect of ischemia on localization of heat shock protein 25 in kidney. <i>Kidney International</i> , <b>1998</b> , 67, S174-69	6.9	17
17	Dicer generates a regulatory microRNA network in smooth muscle cells that limits neointima formation during vascular repair. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 359-372	10.3	13
16	MicroRNA-21 Controls Circadian Regulation of Apoptosis in Atherosclerotic Lesions. <i>Circulation</i> , <b>2021</b> , 144, 1059-1073	16.7	11
15	Deletion of MFGE8 Inhibits Neointima Formation upon Arterial Damage. <i>Thrombosis and Haemostasis</i> , <b>2018</b> , 118, 1340-1342	7	8
14	Dicer promotes endothelial recovery and limits lesion formation after vascular injury through miR-126-5p. <i>International Journal of Cardiology</i> , <b>2018</b> , 273, 199-202	3.2	8
13	Influence of osmotic stress on heat shock proteins 25 and 72 in mouse mesangial cells. <i>Kidney International</i> , <b>1998</b> , 67, S162-4	9.9	5
12	Cationic amino acid transporter mRNA expression in rat kidney and liver. <i>Kidney International</i> , <b>1998</b> , 67, S136-8	9.9	4
11	Mechanisms of arterial remodeling and neointima formation: an updated view on the chemokine system. <i>Drug Discovery Today Disease Mechanisms</i> , <b>2008</b> , 5, e293-e298		3
10	Neutrophil microvesicles drive atherosclerosis by delivering miR-155 to atheroprone endothelium		3
9	miR155 Deficiency Reduces Myofibroblast Density but Fails to Improve Cardiac Function after Myocardial Infarction in Dyslipidemic Mouse Model. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
8	Non-activatable mutant of inhibitor of kappa B kinase $\alpha$ (IKK $\alpha$ ) exerts vascular site-specific effects on atherosclerosis in ApoE-deficient mice. <i>Atherosclerosis</i> , <b>2020</b> , 292, 23-30	3.1	2
7	Regulation of Atherosclerosis by microRNAs. <i>Cardiac and Vascular Biology</i> , <b>2017</b> , 1-20	0.2	1
6	Smooth Muscle Progenitor Cells <b>2012</b> , 1391-1400		1
5	Bone marrow-derived smooth muscle cells are breaking bad in atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1258-9	9.4	1

- 4 Leptin and EPCs in arterial injury: yes, we can!. *Circulation Research*, **2008**, 103, 447-9 15.7 1
- 3 Regulatory Non-coding RNAs in Atherosclerosis. *Handbook of Experimental Pharmacology*, **2021**, 1 3.2 0
- 2 Bedeutung von Chemokinen in der Atherogenese. *Kardiologie Up2date*, **2011**, 7, 269-275 0
- 1 MIF and Atherosclerosis **2007**, 217-228