Oliver Soehnlein

List of Publications by Year
in descending order

139 papers	16,781 citations	14644 66 h-index	16164 124 g-index
141 all docs	141 docs citations	141 times ranked	20072 citing authors

#	Article	IF	Citations
1	Contribution of Neutrophils to Acute Lung Injury. Molecular Medicine, 2011, 17, 293-307.	1.9	1,048
2	Phagocyte partnership during the onset and resolution of inflammation. Nature Reviews Immunology, 2010, 10, 427-439.	10.6	834
3	Resolution of inflammation: an integrated view. EMBO Molecular Medicine, 2013, 5, 661-674.	3.3	586
4	Hyperlipidemia-Triggered Neutrophilia Promotes Early Atherosclerosis. Circulation, 2010, 122, 1837-1845.	1.6	571
5	Targeting inflammation in atherosclerosis â€" from experimental insights to the clinic. Nature Reviews Drug Discovery, 2021, 20, 589-610.	21.5	459
6	Neutrophils orchestrate post-myocardial infarction healing by polarizing macrophages towards a reparative phenotype. European Heart Journal, 2017, 38, ehw002.	1.0	443
7	Neutrophils as protagonists and targets in chronic inflammation. Nature Reviews Immunology, 2017, 17, 248-261.	10.6	409
8	Multiple Roles for Neutrophils in Atherosclerosis. Circulation Research, 2012, 110, 875-888.	2.0	373
9	Protective Role of CXC Receptor 4/CXC Ligand 12 Unveils the Importance of Neutrophils in Atherosclerosis. Circulation Research, 2008, 102, 209-217.	2.0	363
10	Neutrophil Extracellular Traps in Atherosclerosis and Atherothrombosis. Circulation Research, 2017, 120, 736-743.	2.0	348
11	Auto-Antigenic Protein-DNA Complexes Stimulate Plasmacytoid Dendritic Cells to Promote Atherosclerosis. Circulation, 2012, 125, 1673-1683.	1.6	347
12	Neutrophil heterogeneity: implications for homeostasis and pathogenesis. Blood, 2016, 127, 2173-2181.	0.6	347
13	Neutrophil secretion products pave the way for inflammatory monocytes. Blood, 2008, 112, 1461-1471.	0.6	343
14	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. Nature, 2019, 569, 236-240.	13.7	268
15	Atherosclerotic Plaque Destabilization. Circulation Research, 2014, 114, 214-226.	2.0	266
16	Endotoxinemia Accelerates Atherosclerosis Through Electrostatic Chargeâ€"Mediated Monocyte Adhesion. Circulation, 2021, 143, 254-266.	1.6	266
17	Neutrophils as regulators of cardiovascular inflammation. Nature Reviews Cardiology, 2020, 17, 327-340.	6.1	265
18	A Neutrophil Timer Coordinates Immune Defense and Vascular Protection. Immunity, 2019, 50, 390-402.e10.	6.6	258

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19	Platelet CD40L mediates thrombotic and inflammatory processes in atherosclerosis. Blood, 2010, 116, 4317-4327.	0.6	249
20	Co-option of Neutrophil Fates by Tissue Environments. Cell, 2020, 183, 1282-1297.e18.	13.5	246
21	Nonanticoagulant heparin prevents histone-mediated cytotoxicity in vitro and improves survival in sepsis. Blood, 2014, 123, 1098-1101.	0.6	242
22	The AIM2 inflammasome exacerbates atherosclerosis in clonal haematopoiesis. Nature, 2021, 592, 296-301.	13.7	236
23	Synchronized integrin engagement and chemokine activation is crucial in neutrophil extracellular trapâ€“mediated sterile inflammation. Blood, 2014, 123, 2573-2584.	0.6	234
24	Deficient CD40-TRAF6 signaling in leukocytes prevents atherosclerosis by skewing the immune response toward an antiinflammatory profile. Journal of Experimental Medicine, 2010, 207, 391-404.	4.2	232
25	Mechanisms underlying neutrophil-mediated monocyte recruitment. Blood, 2009, 114, 4613-4623.	0.6	220
26	Presence of luminal neutrophil extracellular traps in atherosclerosis. Thrombosis and Haemostasis, 2012, 107, 597-598.	1.8	212
27	Interleukinâ€•13 protects from atherosclerosis and modulates plaque composition by skewing the macrophage phenotype. EMBO Molecular Medicine, 2012, 4, 1072-1086.	3.3	211
28	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. Circulation Research, 2020, 127, 402-426.	2.0	207
29	Lack of Neutrophil-Derived CRAMP Reduces Atherosclerosis in Mice. Circulation Research, 2012, 110, 1052-1056.	2.0	203
30	Disruption of Platelet-derived Chemokine Heteromers Prevents Neutrophil Extravasation in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 628-636.	2.5	202
31	Neutrophils instruct homeostatic and pathological states in naive tissues. Journal of Experimental Medicine, 2018, 215, 2778-2795.	4.2	200
32	Neutrophil Extracellular Traps Participate in Cardiovascular Diseases. Circulation Research, 2020, 126, 1228-1241.	2.0	198
33	Atherosclerosis â€“ A matter of unresolved inflammation. Seminars in Immunology, 2015, 27, 184-193.	2.7	193
34	Resolving Lipid Mediators Maresin 1 and Resolvin D2 Prevent Atheroprogression in Mice. Circulation Research, 2016, 119, 1030-1038.	2.0	180
35	Lipoprotein-Derived Lysophosphatidic Acid Promotes Atherosclerosis by Releasing CXCL1Âfrom the Endothelium. Cell Metabolism, 2011, 13, 592-600.	7.2	176
36	Neutrophil primary granule proteins HBP and HNP1â€“3 boost bacterial phagocytosis by human and murine macrophages. Journal of Clinical Investigation, 2008, 118, 3491-3502.	3.9	175

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37	Macrophage Inflammation, Erythrophagocytosis, and Accelerated Atherosclerosis in <i>Jak2</i> ^{<i>V617F</i>} Mice. Circulation Research, 2018, 123, e35-e47.	2.0	173
38	Neutrophils in chronic inflammatory diseases. Cellular and Molecular Immunology, 2022, 19, 177-191.	4.8	173
39	Distinct functions of chemokine receptor axes in the atherogenic mobilization and recruitment of classical monocytes. EMBO Molecular Medicine, 2013, 5, 471-481.	3.3	169
40	Neutrophils in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 288-295.	1.1	166
41	Targeting CD40-Induced TRAF6 Signaling in Macrophages Reduces Atherosclerosis. Journal of the American College of Cardiology, 2018, 71, 527-542.	1.2	149
42	Biological Roles of Neutrophil-Derived Granule Proteins and Cytokines. Trends in Immunology, 2019, 40, 648-664.	2.9	145
43	Neutrophil granule proteins tune monocytic cell function. Trends in Immunology, 2009, 30, 538-546.	2.9	139
44	Chrono-pharmacological Targeting of the CCL2-CCR2 Axis Ameliorates Atherosclerosis. Cell Metabolism, 2018, 28, 175-182.e5.	7.2	139
45	Streptococcal M Protein: A Multipotent and Powerful Inducer of Inflammation. Journal of Immunology, 2006, 177, 1221-1228.	0.4	132
46	Neutrophil-Derived Cathelicidin Promotes Adhesion of Classical Monocytes. Circulation Research, 2013, 112, 792-801.	2.0	132
47	Distinct Infiltration of Neutrophils in Lesion Shoulders in ApoEâˆ'/âˆ' Mice. American Journal of Pathology, 2010, 177, 493-500.	1.9	127
48	Annexin A1 Counteracts Chemokine-Induced Arterial Myeloid Cell Recruitment. Circulation Research, 2015, 116, 827-835.	2.0	124
49	Chemokine interactome mapping enables tailored intervention in acute and chronic inflammation. Science Translational Medicine, 2017, 9, .	5.8	121
50	Pro-Angiogenic Macrophage Phenotype to Promote Myocardial Repair. Journal of the American College of Cardiology, 2019, 73, 2990-3002.	1.2	117
51	The timeâ€ofâ€day of myocardial infarction onset affects healing through oscillations in cardiac neutrophil recruitment. EMBO Molecular Medicine, 2016, 8, 937-948.	3.3	115
52	Organ-Specific Mechanisms of Transendothelial Neutrophil Migration in the Lung, Liver, Kidney, and Aorta. Frontiers in Immunology, 2018, 9, 2739.	2.2	115
53	A New Monocyte Chemotactic Protein-1/Chemokine CC Motif Ligand-2 Competitor Limiting Neointima Formation and Myocardial Ischemia/Reperfusion Injury in Mice. Journal of the American College of Cardiology, 2010, 56, 1847-1857.	1.2	110
54	The Atlas of Inflammation Resolution (AIR). Molecular Aspects of Medicine, 2020, 74, 100894.	2.7	110

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55	Neutrophil-Derived Cathelicidin Protects from Neointimal Hyperplasia. Science Translational Medicine, 2011, 3, 103ra98.	5.8	100
56	Neutrophil extracellular traps: from physiology to pathology. Cardiovascular Research, 2022, 118, 2737-2753.	1.8	96
57	Recruitment of classical monocytes can be inhibited by disturbing heteromers of neutrophil HNP1 and platelet CCL5. Science Translational Medicine, 2015, 7, 317ra196.	5.8	90
58	Platelet CD40 Exacerbates Atherosclerosis by Transcellular Activation of Endothelial Cells and Leukocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 482-490.	1.1	90
59	Therapeutic ACPA inhibits NET formation: a potential therapy for neutrophil-mediated inflammatory diseases. Cellular and Molecular Immunology, 2021, 18, 1528-1544.	4.8	90
60	Cathelicidins prime platelets to mediate arterial thrombosis and tissue inflammation. Nature Communications, 2018, 9, 1523.	5.8	86
61	Hypercholesterolemia links hematopoiesis with atherosclerosis. Trends in Endocrinology and Metabolism, 2013, 24, 129-136.	3.1	83
62	Long Noncoding RNA <i>MIAT</i> Controls Advanced Atherosclerotic Lesion Formation and Plaque Destabilization. Circulation, 2021, 144, 1567-1583.	1.6	82
63	Nanomedicine-based strategies for treatment of atherosclerosis. Trends in Molecular Medicine, 2014, 20, 271-281.	3.5	79
64	Neutrophil-Derived Heparin-Binding Protein (HBP/CAP37) Deposited on Endothelium Enhances Monocyte Arrest under Flow Conditions. Journal of Immunology, 2005, 174, 6399-6405.	0.4	76
65	Contribution of Platelet CX ₃ CR1 to Plateletâ€“Monocyte Complex Formation and Vascular Recruitment During Hyperlipidemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1186-1193.	1.1	76
66	High-Resolution Imaging of Intravascular Atherogenic Inflammation in Live Mice. Circulation Research, 2014, 114, 770-779.	2.0	74
67	Direct and alternative antimicrobial mechanisms of neutrophil-derived granule proteins. Journal of Molecular Medicine, 2009, 87, 1157-1164.	1.7	69
68	Double-Strand DNA Sensing Aim2 Inflammasome Regulates Atherosclerotic Plaque Vulnerability. Circulation, 2018, 138, 321-323.	1.6	69
69	Hyperreactivity of Junctional Adhesion Molecule A-Deficient Platelets Accelerates Atherosclerosis in Hyperlipidemic Mice. Circulation Research, 2015, 116, 587-599.	2.0	67
70	Histone Deacetylase 9 Activates IKK to Regulate Atherosclerotic Plaque Vulnerability. Circulation Research, 2020, 127, 811-823.	2.0	64
71	Thrombo-Inflammation in Cardiovascular Disease: An Expert Consensus Document from the Third Maastricht Consensus Conference on Thrombosis. Thrombosis and Haemostasis, 2020, 120, 538-564.	1.8	64
72	Chemokines and galectins form heterodimers to modulate inflammation. EMBO Reports, 2020, 21, e47852.	2.0	63

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73	Neutrophilic granulocytes â€“ promiscuous accelerators of atherosclerosis. Thrombosis and Haemostasis, 2011, 106, 839-848.	1.8	55
74	Cathepsin G Controls Arterial But Not Venular Myeloid Cell Recruitment. Circulation, 2016, 134, 1176-1188.	1.6	54
75	Behavioural immune landscapes of inflammation. Nature, 2022, 601, 415-421.	13.7	53
76	CCR5 and FPR1 Mediate Neutrophil Recruitment in Endotoxin-Induced Lung Injury. Journal of Innate Immunity, 2014, 6, 111-116.	1.8	49
77	Monocyte-Chemoattractant Protein-1 Levels in Human Atherosclerotic Lesions Associate With Plaque Vulnerability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2038-2048.	1.1	48
78	Chemokines Control Mobilization, Recruitment, and Fate of Monocytes in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1050-1055.	1.1	46
79	Circadian Control of Inflammatory Processes in Atherosclerosis and Its Complications. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1022-1028.	1.1	46
80	TIMP1 Triggers Neutrophil Extracellular Trap Formation in Pancreatic Cancer. Cancer Research, 2021, 81, 3568-3579.	0.4	44
81	Deficiency of the Sialyltransferase <i>St3Gal4</i> Reduces Ccl5-Mediated Myeloid Cell Recruitment and Arrest. Circulation Research, 2014, 114, 976-981.	2.0	43
82	Hematopoietic Interferon Regulatory Factor 8-Deficiency Accelerates Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1613-1623.	1.1	42
83	Therapeutic Targeting of Neutrophil Extracellular Traps in Atherogenic Inflammation. Thrombosis and Haemostasis, 2019, 119, 542-552.	1.8	39
84	The advantageous role of annexin A1 in cardiovascular disease. Cell Adhesion and Migration, 2017, 11, 261-274.	1.1	38
85	Artery-Associated Sympathetic Innervation Drives Rhythmic Vascular Inflammation of Arteries and Veins. Circulation, 2019, 140, 1100-1114.	1.6	37
86	Inflammatory role and prognostic value of platelet chemokines in acute coronary syndrome. Thrombosis and Haemostasis, 2014, 112, 1277-1287.	1.8	36
87	Functional alterations of myeloid cell subsets in hyperlipidaemia: relevance for atherosclerosis. Journal of Cellular and Molecular Medicine, 2009, 13, 4293-4303.	1.6	31
88	Atherosclerotic Plaque Destabilization in Mice: A Comparative Study. PLoS ONE, 2015, 10, e0141019.	1.1	31
89	Hematopoietic ChemR23 (Chemerin Receptor 23) Fuels Atherosclerosis by Sustaining an M1 Macrophage-Phenotype and Guidance of Plasmacytoid Dendritic Cells to Murine Lesionsâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 685-693.	1.1	31
90	Platelets orchestrate the resolution of pulmonary inflammation in mice by T reg cell repositioning and macrophage education. Journal of Experimental Medicine, 2021, 218, .	4.2	30

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91	Erythroid lineage Jak2V617F expression promotes atherosclerosis through erythrophagocytosis and macrophage ferroptosis. Journal of Clinical Investigation, 2022, 132, .	3.9	30
92	Cathelicidin LLâ€37 induces timeâ€resolved release of LTB₄and TXA₂by human macrophages and triggers eicosanoid generation<i>in vivo</i>. FASEB Journal, 2014, 28, 3456-3467.	0.2	29
93	Structure-Based Design of Peptidic Inhibitors of the Interaction between CC Chemokine Ligand 5 (CCL5) and Human Neutrophil Peptides 1 (HNP1). Journal of Medicinal Chemistry, 2016, 59, 4289-4301.	2.9	28
94	Protective Aptitude of Annexin A1 in Arterial Neointima Formation in Atherosclerosis-Prone Miceâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 312-315.	1.1	28
95	Platelet-derived PF4 reduces neutrophil apoptosis following arterial occlusion. Thrombosis and Haemostasis, 2014, 112, 562-564.	1.8	27
96	Neutrophil-macrophage interplay in atherosclerosis: protease-mediated cytokine processing versus NET release. Thrombosis and Haemostasis, 2015, 114, 866-867.	1.8	25
97	Nutritional Modulation of Innate Immunity: The Fatâ€"Bileâ€"Gut Connection. Trends in Endocrinology and Metabolism, 2018, 29, 686-698.	3.1	23
98	Rubbing salt into wounded endothelium: Sodium potentiates proatherogenic effects of TNF-Î± under non-uniform shear stress. Thrombosis and Haemostasis, 2014, 112, 183-195.	1.8	21
99	Heparinoid sevuparin inhibits<i>Streptococcus</i>â€induced vascular leak through neutralizing neutrophilâ€derived proteins. FASEB Journal, 2019, 33, 10443-10452.	0.2	21
100	Structure-based peptide design targeting intrinsically disordered proteins: Novel histone H4 and H2A peptidic inhibitors. Computational and Structural Biotechnology Journal, 2021, 19, 934-948.	1.9	21
101	Deficiency of MAPK-activated protein kinase 2 (MK2) prevents adverse remodelling and promotes endothelial healing after arterial injury. Thrombosis and Haemostasis, 2014, 112, 1264-1276.	1.8	20
102	Extracellular histones are a target in myocardial ischaemiaâ€"reperfusion injury. Cardiovascular Research, 2022, 118, 1115-1125.	1.8	19
103	Inhibition of NET Release Fails to Reduce Adipose Tissue Inflammation in Mice. PLoS ONE, 2016, 11, e0163922.	1.1	18
104	Tick saliva protein Evasin-3 modulates chemotaxis by disrupting CXCL8 interactions with glycosaminoglycans and CXCR2. Journal of Biological Chemistry, 2019, 294, 12370-12379.	1.6	17
105	Endothelial Retargeting of AAV9 In Vivo. Advanced Science, 2022, 9, e2103867.	5.6	17
106	ANESTHESIA AGGRAVATES LUNG DAMAGE AND PRECIPITATES HYPOTENSION IN ENDOTOXEMIC SHEEP. Shock, 2010, 34, 412-419.	1.0	15
107	The Complexity of Arterial Classical Monocyte Recruitment. Journal of Innate Immunity, 2013, 5, 358-366.	1.8	15
108	The Ins and Outs of Myeloid Cells in Atherosclerosis. Journal of Innate Immunity, 2018, 10, 479-486.	1.8	15

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109	Arterial Delivery of VEGF-C Stabilizes Atherosclerotic Lesions. Circulation Research, 2021, 128, 284-286.	2.0	12
110	Assessing Large-Vessel Endothelial Permeability Using Near-Infrared Fluorescence Imagingâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 783-786.	1.1	11
111	The potential of chronopharmacology for treatment of atherosclerosis. Current Opinion in Lipidology, 2018, 29, 368-374.	1.2	11
112	Human Neutrophil Peptide 1 Limits Hypercholesterolemia-induced Atherosclerosis by Increasing Hepatic LDL Clearance. EBioMedicine, 2017, 16, 204-211.	2.7	10
113	Decision shaping neutrophilâ€platelet interplay in inflammation: From physiology to intervention. European Journal of Clinical Investigation, 2018, 48, e12871.	1.7	10
114	Synthesis and evaluation of novel cyclopentane urea FPR2 agonists and their potential application in the treatment of cardiovascular inflammation. European Journal of Medicinal Chemistry, 2021, 214, 113194.	2.6	10
115	Endothelial ACKR3 drives atherosclerosis by promoting immune cell adhesion to vascular endothelium. Basic Research in Cardiology, 2022, 117, .	2.5	10
116	Myeloid-Specific Deletion of the AMPKÎ±2 Subunit Alters Monocyte Protein Expression and Atherogenesis. International Journal of Molecular Sciences, 2019, 20, 3005.	1.8	9
117	Contemporary Lifestyle and Neutrophil Extracellular Traps: An Emerging Link in Atherosclerosis Disease. Cells, 2021, 10, 1985.	1.8	9
118	Evaluation of the BDCA2-DTR Transgenic Mouse Model in Chronic and Acute Inflammation. PLoS ONE, 2015, 10, e0134176.	1.1	8
119	Neutrophil Research, Quo Vadis?. Trends in Immunology, 2019, 40, 561-564.	2.9	8
120	Cathelicidin regulates myeloid cell accumulation in adipose tissue and promotes insulin resistance during obesity. Thrombosis and Haemostasis, 2016, 115, 1237-1239.	1.8	7
121	Apolipoprotein Mimetic Peptide Inhibits Neutrophil-Driven Inflammatory Damage via Membrane Remodeling and Suppression of Cell Lysis. ACS Nano, 2021, 15, 15930-15939.	7.3	7
122	A Pad 4 Plaque Erosion. Circulation Research, 2018, 123, 6-8.	2.0	6
123	Neutrophil life in three acts: a production by different stage directors. Nature Immunology, 2021, 22, 1072-1074.	7.0	5
124	The ABC of Thrombopoiesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 700-701.	1.1	4
125	Hepatocyte-specific glucose-6-phosphatase deficiency disturbs platelet aggregation and decreases blood monocytes upon fasting-induced hypoglycemia. Molecular Metabolism, 2021, 53, 101265.	3.0	3
126	Design, synthesis, and biological evaluation of novel pyrrolidinone small-molecule Formyl peptide receptor 2 agonists. European Journal of Medicinal Chemistry, 2021, 226, 113805.	2.6	3

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127	Macrophages shine bright. Blood, 2014, 124, 2320-2322.	0.6	2
128	Intravital Microscopy for Atherosclerosis Research. Methods in Molecular Biology, 2015, 1339, 41-60.	0.4	2
129	Properties and fate of human mesenchymal stem cells upon miRNA let-7f-promoted recruitment to atherosclerotic plaques. Cardiovascular Research, 2023, 119, 155-166.	1.8	2
130	Myeloid Cells in Traffic. Journal of Innate Immunity, 2013, 5, 301-303.	1.8	1
131	Monocytes Chat With Atherosclerotic Lesions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1720-1721.	1.1	1
132	Standardizing animal atherosclerosis studies to improve reproducibility. Nature Reviews Cardiology, 2017, 14, 574-575.	6.1	1
133	Nitric Oxide-Donating Statins Upgrade the Benefits of Lipid-Lowering in Vascular Inflammation by Desensitizing Neutrophil Activation. Cardiovascular Drugs and Therapy, 2013, 27, 183-185.	1.3	0
134	Neutrophil secretion products stimulate phagocytosis in macrophages. FASEB Journal, 2006, 20, A704.	0.2	0
135	Upregulation of Fcî³ RI (CD64) and Fcî³ RII (CD32) by neutrophil secretion products enhances bacterial phagocytosis in macrophages. FASEB Journal, 2007, 21, A768.	0.2	0
136	Neutrophil degranulation as crucial step in severe lung damage by <i>Streptococcus pyogenes</i>. FASEB Journal, 2007, 21, A408.	0.2	0
137	Neutrophilâ€induced increase in vascular permeability involves activation of the contact system. FASEB Journal, 2008, 22, 731.3.	0.2	0
138	Thrombin Inhibition Prevents Against Severe Atherosclerosis Progression in Prothrombotic Mice. Blood, 2012, 120, 103-103.	0.6	0
139	Abstract 14: Small Molecule Inhibitors of the CD40-TRAF6 Interaction Reduce Atherosclerosis by Inducing Hypo-inflammatory Myeloid Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	1.1	0