

Sandeep Kumar

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8827755/sandeep-kumar-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

7,621
citations

48
h-index

86
g-index

130
ext. papers

8,645
ext. citations

7.6
avg, IF

5.84
L-index

#	Paper	IF	Citations
121	Targeting mechanosensitive endothelial TXNDC5 to stabilize eNOS and reduce atherosclerosis in vivo.. <i>Science Advances</i> , 2022 , 8, eabl8096	14.3	0
120	Hypoxia inducible factor 1 inhibitor PX-478 reduces atherosclerosis in mice.. <i>Atherosclerosis</i> , 2022 , 344, 20-30	3.1	2
119	Recent Progress in Models for Atherosclerosis Studies.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 790529	5.4	3
118	SWI/SNF (BAF) complexes: From framework to a functional role in endothelial mechanotransduction. <i>Current Topics in Membranes</i> , 2021 , 87, 171-198	2.2	1
117	Atorvastatin and blood flow regulate expression of distinctive sets of genes in mouse carotid artery endothelium. <i>Current Topics in Membranes</i> , 2021 , 87, 97-130	2.2	0
116	Recent advances in nanomaterials for therapy and diagnosis for atherosclerosis. <i>Advanced Drug Delivery Reviews</i> , 2021 , 170, 142-199	18.5	24
115	Very late vasomotor responses and gene expression with bioresorbable scaffolds and metallic drug-eluting stents. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 98, 723-732	2.7	0
114	Yield and economic performance of crop rotation systems in South Dakota 2021 , 4, e20196		
113	Delivery of siRNA to Endothelial Cells In Vivo Using Lysine/Histidine Oligopeptide-Modified Poly(L-amino ester) Nanoparticles. <i>Cardiovascular Engineering and Technology</i> , 2021 , 12, 114-125	2.2	5
112	Delivery of Anti-microRNA-712 to Inflamed Endothelial Cells Using Poly(L-amino ester) Nanoparticles Conjugated with VCAM-1 Targeting Peptide. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001894	10.1	8
111	Biomechanical regulation of endothelial function in atherosclerosis 2021 , 3-47		1
110	Mechanical forces regulate endothelial-to-mesenchymal transition and atherosclerosis via an Alk5-Shc mechanotransduction pathway. <i>Science Advances</i> , 2021 , 7,	14.3	7
109	Combined LXR and RXR Agonist Therapy Increases ABCA1 Protein Expression and Enhances ApoAI-Mediated Cholesterol Efflux in Cultured Endothelial Cells. <i>Metabolites</i> , 2021 , 11,	5.6	3
108	Endothelial Poldip2 regulates sepsis-induced lung injury via Rho pathway activation. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
107	Characterization of Poldip2 knockout mice: Avoiding incorrect gene targeting.. <i>PLoS ONE</i> , 2021 , 16, e0247261	3.7	2
106	Endothelial Reprogramming by Disturbed Flow Revealed by Single-Cell RNA and Chromatin Accessibility Study. <i>Cell Reports</i> , 2020 , 33, 108491	10.6	37
105	Affinity-Driven Design of Cargo-Switching Nanoparticles to Leverage a Cholesterol-Rich Microenvironment for Atherosclerosis Therapy. <i>ACS Nano</i> , 2020 , 14, 6519-6531	16.7	30

104	Role of Biomechanical Stress and Mechanosensitive miRNAs in Calcific Aortic Valve Disease. <i>Contemporary Cardiology</i> , 2020 , 117-135	0.1	
103	Ventricular reshaping with a beating heart implant improves pump function in experimental heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	4
102	The histone demethylase JMJD2B regulates endothelial-to-mesenchymal transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4180-4187	11.5	19
101	Conditional Deoxyribozyme-Nanoparticle Conjugates for miRNA-Triggered Gene Regulation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37851-37861	9.5	4
100	miR-214 is Stretch-Sensitive in Aortic Valve and Inhibits Aortic Valve Calcification. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 1106-1115	4.7	10
99	The novel coronary artery disease risk gene JCAD/KIAA1462 promotes endothelial dysfunction and atherosclerosis. <i>European Heart Journal</i> , 2019 , 40, 2398-2408	9.5	30
98	Role of Noncoding RNAs in the Pathogenesis of Abdominal Aortic Aneurysm. <i>Circulation Research</i> , 2019 , 124, 619-630	15.7	44
97	ZBTB46 is a shear-sensitive transcription factor inhibiting endothelial cell proliferation via gene expression regulation of cell cycle proteins. <i>Laboratory Investigation</i> , 2019 , 99, 305-318	5.9	17
96	The flagellin-TLR5-Nox4 axis promotes the migration of smooth muscle cells in atherosclerosis. <i>Experimental and Molecular Medicine</i> , 2019 , 51, 1-13	12.8	8
95	Disturbed Flow Increases UBE2C (Ubiquitin E2 Ligase C) via Loss of miR-483-3p, Inducing Aortic Valve Calcification by the pVHL (von Hippel-Lindau Protein) and HIF-1[α] (Hypoxia-Inducible Factor-1) Pathway in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 467-481	9.4	32
94	Role of flow-sensitive microRNAs and long noncoding RNAs in vascular dysfunction and atherosclerosis. <i>Vascular Pharmacology</i> , 2019 , 114, 76-92	5.9	63
93	Vascular Semaphorin 7A Upregulation by Disturbed Flow Promotes Atherosclerosis Through Endothelial $\alpha 1$ Integrin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 335-343	9.4	41
92	Mechanosensitive microRNA-181b Regulates Aortic Valve Endothelial Matrix Degradation by Targeting TIMP3. <i>Cardiovascular Engineering and Technology</i> , 2018 , 9, 141-150	2.2	22
91	3D Imaging and Quantitative Analysis of Vascular Networks: A Comparison of Ultramicroscopy and Micro-Computed Tomography. <i>Theranostics</i> , 2018 , 8, 2117-2133	12.1	29
90	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. <i>Nature Communications</i> , 2018 , 9, 2292	17.4	26
89	Disturbed Blood Flow induces Arterial Stiffening Through Thrombospondin-1. <i>FASEB Journal</i> , 2018 , 32, 143.1	0.9	
88	Role of circulating miRNAs in the pathophysiology of CVD: As a potential biomarker. <i>Gene Reports</i> , 2018 , 13, 146-150	1.4	1
87	Accelerated atherosclerosis development in C57Bl6 mice by overexpressing AAV-mediated PCSK9 and partial carotid ligation. <i>Laboratory Investigation</i> , 2017 , 97, 935-945	5.9	39

86	AIBP Limits Angiogenesis Through ESecretase-Mediated Upregulation of Notch Signaling. <i>Circulation Research</i> , 2017 , 120, 1727-1739	15.7	29
85	KLF2 and KLF4 control endothelial identity and vascular integrity. <i>JCI Insight</i> , 2017 , 2, e91700	9.9	100
84	Disturbed Flow Promotes Arterial Stiffening Through Thrombospondin-1. <i>Circulation</i> , 2017 , 136, 1217-1227	13.7	29
83	Functional screening of mammalian mechanosensitive genes using Drosophila RNAi library-Smarcd3/Bap60 is a mechanosensitive pro-inflammatory gene. <i>Scientific Reports</i> , 2016 , 6, 36461	4.9	3
82	The role of endothelial mechanosensitive genes in atherosclerosis and omics approaches. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 591, 111-31	4.1	34
81	Shear-Sensitive Genes in Aortic Valve Endothelium. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 401-14	8.4	30
80	Hemodynamics and Mechanobiology of Aortic Valve Calcification. <i>Biosystems and Biorobotics</i> , 2016 , 237-261	2.6	2
79	High glucose and palmitate increases bone morphogenic protein 4 expression in human endothelial cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2016 , 20, 169-75	1.8	7
78	Targeted Delivery of Anti-miR-712 by VCAM1-Binding Au Nanospheres for Atherosclerosis Therapy. <i>ChemNanoMat</i> , 2016 , 2, 400-406	3.5	12
77	Omics-based approaches to understand mechanosensitive endothelial biology and atherosclerosis. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016 , 8, 378-401	6.6	12
76	Discovery of novel peptides targeting pro-atherogenic endothelium in disturbed flow regions -Targeted siRNA delivery to pro-atherogenic endothelium in vivo. <i>Scientific Reports</i> , 2016 , 6, 25636	4.9	14
75	Identification of side- and shear-dependent microRNAs regulating porcine aortic valve pathogenesis. <i>Scientific Reports</i> , 2016 , 6, 25397	4.9	31
74	Mechanosensitive PPAP2B Regulates Endothelial Responses to Atherorelevant Hemodynamic Forces. <i>Circulation Research</i> , 2015 , 117, e41-e53	15.7	58
73	Multigenerational Undernutrition Increases Susceptibility to Obesity and Diabetes that Is Not Reversed after Dietary Recuperation. <i>Cell Metabolism</i> , 2015 , 22, 312-9	24.6	53
72	The role of epigenetics in the endothelial cell shear stress response and atherosclerosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 67, 167-76	5.6	45
71	Multifunctional Nanoparticles Facilitate Molecular Targeting and miRNA Delivery to Inhibit Atherosclerosis in ApoE(-/-) Mice. <i>ACS Nano</i> , 2015 , 9, 8885-97	16.7	109
70	Disturbed flow induces systemic changes in metabolites in mouse plasma: a metabolomics study using ApoE ^{+/?} mice with partial carotid ligation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R62-72	3.2	35
69	Flow-dependent expression of ectonucleotide tri(di)phosphohydrolase-1 and suppression of atherosclerosis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3027-36	15.9	38

68	Micro-CT Technique Is Well Suited for Documentation of Remodeling Processes in Murine Carotid Arteries. <i>PLoS ONE</i> , 2015 , 10, e0130374	3.7	11
67	Fluid Mechanics, Arterial Disease, and Gene Expression. <i>Annual Review of Fluid Mechanics</i> , 2014 , 46, 591-614		107
66	Development of immortalized mouse aortic endothelial cell lines. <i>Vascular Cell</i> , 2014 , 6, 7	1	26
65	Role of flow-sensitive microRNAs in endothelial dysfunction and atherosclerosis: mechanosensitive athero-miRs. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2206-16	9.4	194
64	Biomechanical factors in atherosclerosis: mechanisms and clinical implications. <i>European Heart Journal</i> , 2014 , 35, 3013-20, 3020a-3020d	9.5	250
63	Flow-dependent regulation of genome-wide mRNA and microRNA expression in endothelial cells in vivo. <i>Scientific Data</i> , 2014 , 1, 140039	8.2	19
62	Prevention of abdominal aortic aneurysm by anti-microRNA-712 or anti-microRNA-205 in angiotensin II-infused mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1412-21	9.4	85
61	Flow-dependent epigenetic DNA methylation regulates endothelial gene expression and atherosclerosis. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3187-99	15.9	194
60	Disturbed flow enhances inflammatory signaling and atherogenesis by increasing thioredoxin-1 level in endothelial cell nuclei. <i>PLoS ONE</i> , 2014 , 9, e108346	3.7	21
59	Circulating miRNA as novel markers for diastolic dysfunction. <i>Molecular and Cellular Biochemistry</i> , 2013 , 376, 33-40	4.2	62
58	Aortic valve: mechanical environment and mechanobiology. <i>Annals of Biomedical Engineering</i> , 2013 , 41, 1331-46	4.7	71
57	NF- κ B mediated miR-26a regulation in cardiac fibrosis. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1433-42	7	105
56	The atypical mechanosensitive microRNA-712 derived from pre-ribosomal RNA induces endothelial inflammation and atherosclerosis. <i>Nature Communications</i> , 2013 , 4, 3000	17.4	162
55	Laminar shear stress upregulates endothelial Ca ²⁺ -activated K ⁺ channels KCa2.3 and KCa3.1 via a Ca ²⁺ /calmodulin-dependent protein kinase kinase/Akt/p300 cascade. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H484-93	5.2	22
54	Anti-inflammatory and antiatherogenic role of BMP receptor II in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1350-9	9.4	68
53	Circulating miRNAs as potential marker for pulmonary hypertension. <i>PLoS ONE</i> , 2013 , 8, e64396	3.7	93
52	Dynamic immune cell accumulation during flow-induced atherogenesis in mouse carotid artery: an expanded flow cytometry method. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 623-32	9.4	31
51	High glucose-induced Ca ²⁺ overload and oxidative stress contribute to apoptosis of cardiac cells through mitochondrial dependent and independent pathways. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 907-20	4	75

50	Thymosin α 4 and cardiac protection: implication in inflammation and fibrosis. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1269, 84-91	6.5	24
49	Piperlongumine inhibits atherosclerotic plaque formation and vascular smooth muscle cell proliferation by suppressing PDGF receptor signaling. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 427, 349-54	3.4	61
48	Cardiac-specific genetic inhibition of nuclear factor- κ B prevents right ventricular hypertrophy induced by monocrotaline. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1655-66	5.2	36
47	Thymosin beta 4 protects cardiomyocytes from oxidative stress by targeting anti-oxidative enzymes and anti-apoptotic genes. <i>PLoS ONE</i> , 2012 , 7, e42586	3.7	31
46	Detection of low levels of nitric oxide using an electrochemical sensor. <i>Methods in Molecular Biology</i> , 2011 , 704, 81-9	1.4	6
45	Animal, in vitro, and ex vivo models of flow-dependent atherosclerosis: role of oxidative stress. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 1433-48	8.4	53
44	Thymosin beta 4 prevents oxidative stress by targeting antioxidant and anti-apoptotic genes in cardiac fibroblasts. <i>PLoS ONE</i> , 2011 , 6, e26912	3.7	57
43	Inhibition of nuclear factor κ B regresses cardiac hypertrophy by modulating the expression of extracellular matrix and adhesion molecules. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 206-15	7.8	31
42	The effects of combined cyclic stretch and pressure on the aortic valve interstitial cell phenotype. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 1654-67	4.7	42
41	Azelnidipine prevents cardiac dysfunction in streptozotocin-diabetic rats by reducing intracellular calcium accumulation, oxidative stress and apoptosis. <i>Cardiovascular Diabetology</i> , 2011 , 10, 97	8.7	29
40	Tetrahydrobiopterin deficiency and nitric oxide synthase uncoupling contribute to atherosclerosis induced by disturbed flow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1547-54	9.4	41
39	Discovery of shear- and side-specific mRNAs and miRNAs in human aortic valvular endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H856-67	5.2	83
38	MicroRNA-663 upregulated by oscillatory shear stress plays a role in inflammatory response of endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1762-9	5.2	165
37	Peroxiredoxin 2 deficiency exacerbates atherosclerosis in apolipoprotein E-deficient mice. <i>Circulation Research</i> , 2011 , 109, 739-49	15.7	90
36	Location, location, location: Beneficial effects of autologous fat transplantation. <i>Scientific Reports</i> , 2011 , 1, 81	4.9	17
35	Cassia auriculata: Aspects of Safety Pharmacology and Drug Interaction. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011 , 2011, 915240	2.3	9
34	GTP cyclohydrolase I phosphorylation and interaction with GTP cyclohydrolase feedback regulatory protein provide novel regulation of endothelial tetrahydrobiopterin and nitric oxide. <i>Circulation Research</i> , 2010 , 106, 328-36	15.7	45
33	HuR regulates the expression of stress-sensitive genes and mediates inflammatory response in human umbilical vein endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6858-63	11.5	67

32	Elevated cyclic stretch induces aortic valve calcification in a bone morphogenic protein-dependent manner. <i>American Journal of Pathology</i> , 2010 , 177, 49-57	5.8	124
31	Discovery of novel mechanosensitive genes in vivo using mouse carotid artery endothelium exposed to disturbed flow. <i>Blood</i> , 2010 , 116, e66-73	2.2	120
30	A model of disturbed flow-induced atherosclerosis in mouse carotid artery by partial ligation and a simple method of RNA isolation from carotid endothelium. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	42
29	Azelnidipine protects myocardium in hyperglycemia-induced cardiac damage. <i>Cardiovascular Diabetology</i> , 2010 , 9, 82	8.7	24
28	Partial carotid ligation is a model of acutely induced disturbed flow, leading to rapid endothelial dysfunction and atherosclerosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H1535-43	5.2	313
27	Altered shear stress stimulates upregulation of endothelial VCAM-1 and ICAM-1 in a BMP-4- and TGF-beta1-dependent pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 254-60	9.4	182
26	Cardiotoxicity of calmidazolium chloride is attributed to calcium aggravation, oxidative and nitrosative stress, and apoptosis. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 699-709	7.8	25
25	Design of an ex vivo culture system to investigate the effects of shear stress on cardiovascular tissue. <i>Journal of Biomechanical Engineering</i> , 2008 , 130, 035001	2.1	52
24	Laminar shear stress up-regulates peroxiredoxins (PRX) in endothelial cells: PRX 1 as a mechanosensitive antioxidant. <i>Journal of Biological Chemistry</i> , 2008 , 283, 1622-1627	5.4	71
23	Target accessibility and signal specificity in live-cell detection of BMP-4 mRNA using molecular beacons. <i>Nucleic Acids Research</i> , 2008 , 36, e30	20.1	66
22	Expression of cathepsin K is regulated by shear stress in cultured endothelial cells and is increased in endothelium in human atherosclerosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1479-86	5.2	89
21	Bone morphogenic protein antagonists are coexpressed with bone morphogenic protein 4 in endothelial cells exposed to unstable flow in vitro in mouse aortas and in human coronary arteries: role of bone morphogenic protein antagonists in inflammation and atherosclerosis. <i>Circulation</i> , 2007 , 116, 1050-61	16.7	107
20	Laminar shear inhibits tubule formation and migration of endothelial cells by an angiotensin-2 dependent mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2150-6	9.4	65
19	Downregulation of bone morphogenetic protein 4 expression in coronary arterial endothelial cells: role of shear stress and the cAMP/protein kinase A pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 776-82	9.4	45
18	Cytoprotective and antioxidant role of diallyl tetrasulfide on cadmium induced renal injury: an in vivo and in vitro study. <i>Life Sciences</i> , 2007 , 80, 650-8	6.8	72
17	Cadmium induced mitochondrial injury and apoptosis in vero cells: protective effect of diallyl tetrasulfide from garlic. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 161-70	5.6	37
16	Laminar shear stress inhibits cathepsin L activity in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1784-90	9.4	61
15	Bone morphogenic protein-4 induces hypertension in mice: role of noggin, vascular NADPH oxidases, and impaired vasorelaxation. <i>Circulation</i> , 2006 , 113, 2818-25	16.7	107

14	Role of NADPH oxidases in disturbed flow- and BMP4- induced inflammation and atherosclerosis. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 1609-19	8.4	78
13	An ex vivo study of the biological properties of porcine aortic valves in response to circumferential cyclic stretch. <i>Annals of Biomedical Engineering</i> , 2006 , 34, 1655-65	4.7	101
12	Bone morphogenic protein 4 produced in endothelial cells by oscillatory shear stress induces monocyte adhesion by stimulating reactive oxygen species production from a nox1-based NADPH oxidase. <i>Circulation Research</i> , 2004 , 95, 773-9	15.7	316
11	Oscillatory shear stress stimulates endothelial production of O ₂ ⁻ from p47phox-dependent NAD(P)H oxidases, leading to monocyte adhesion. <i>Journal of Biological Chemistry</i> , 2003 , 278, 47291-8	5.4	232
10	Chronic shear induces caveolae formation and alters ERK and Akt responses in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H1113-22	5.2	143
9	Role of xanthine oxidoreductase and NAD(P)H oxidase in endothelial superoxide production in response to oscillatory shear stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H2290-7	5.2	341
8	Flow-dependent regulation of endothelial nitric oxide synthase: role of protein kinases. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C499-508	5.4	284
7	Bone morphogenic protein 4 produced in endothelial cells by oscillatory shear stress stimulates an inflammatory response. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31128-35	5.4	230
6	Optimization of isolation and functional characterization of primary murine aortic endothelial cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2003 , 10, 103-9		25
5	Shear stress stimulates phosphorylation of endothelial nitric-oxide synthase at Ser1179 by Akt-independent mechanisms: role of protein kinase A. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3388-96 [†]	5.4	350
4	Shear stress stimulates phosphorylation of eNOS at Ser(635) by a protein kinase A-dependent mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H1819-28	5.2	182
3	Protein kinase B/Akt activates c-Jun NH(2)-terminal kinase by increasing NO production in response to shear stress. <i>Journal of Applied Physiology</i> , 2001 , 91, 1574-81	3.7	84
2	Endothelial reprogramming by disturbed flow revealed by single-cell RNA and chromatin accessibility study		1
1	Stable Flow-induced Expression of KLK10 Inhibits Endothelial Inflammation and Atherosclerosis		1