

# Shakil Ahmad

## List of Publications by Citations

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**Version:** 2024-04-27

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

40  
papers

3,066  
citations

24  
h-index

44  
g-index

44  
ext. papers

3,403  
ext. citations

9.7  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
40	Elevated placental soluble vascular endothelial growth factor receptor-1 inhibits angiogenesis in preeclampsia. <i>Circulation Research</i> , <b>2004</b> , 95, 884-91	15.7	400
39	Negative regulation of soluble Flt-1 and soluble endoglin release by heme oxygenase-1. <i>Circulation</i> , <b>2007</b> , 115, 1789-97	16.7	338
38	Deficiency in catechol-O-methyltransferase and 2-methoxyoestradiol is associated with pre-eclampsia. <i>Nature</i> , <b>2008</b> , 453, 1117-21	50.4	305
37	Dysregulation of hydrogen sulfide producing enzyme cystathionine $\beta$ -lyase contributes to maternal hypertension and placental abnormalities in preeclampsia. <i>Circulation</i> , <b>2013</b> , 127, 2514-22	16.7	195
36	Release and complex formation of soluble VEGFR-1 from endothelial cells and biological fluids. <i>Laboratory Investigation</i> , <b>2000</b> , 80, 443-54	5.9	182
35	Autoantibody from women with preeclampsia induces soluble Fms-like tyrosine kinase-1 production via angiotensin type 1 receptor and calcineurin/nuclear factor of activated T-cells signaling. <i>Hypertension</i> , <b>2008</b> , 51, 1010-9	8.5	142
34	Reduction of circulating soluble Flt-1 alleviates preeclampsia-like symptoms in a mouse model. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 1857-67	5.6	134
33	Establishment of porcine and human expanded potential stem cells. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 687-699	9.4	127
32	Angiotensin II induces soluble fms-like tyrosine kinase-1 release via calcineurin signaling pathway in pregnancy. <i>Circulation Research</i> , <b>2007</b> , 100, 88-95	15.7	124
31	Direct evidence for endothelial vascular endothelial growth factor receptor-1 function in nitric oxide-mediated angiogenesis. <i>Circulation Research</i> , <b>2006</b> , 99, 715-22	15.7	119
30	Activation of vascular endothelial growth factor receptor-1 sustains angiogenesis and Bcl-2 expression via the phosphatidylinositol 3-kinase pathway in endothelial cells. <i>Diabetes</i> , <b>2003</b> , 52, 2959-68	8.9	108
29	Hypoxia induces dilated cardiomyopathy in the chick embryo: mechanism, intervention, and long-term consequences. <i>PLoS ONE</i> , <b>2009</b> , 4, e5155	3.7	95
28	The role of heterodimerization between VEGFR-1 and VEGFR-2 in the regulation of endothelial cell homeostasis. <i>Nature Communications</i> , <b>2012</b> , 3, 972	17.4	92
27	Nitric oxide-dependent bone marrow progenitor mobilization by carbon monoxide enhances endothelial repair after vascular injury. <i>Circulation</i> , <b>2010</b> , 121, 537-48	16.7	91
26	Antiproliferative effects of carbon monoxide on pancreatic cancer. <i>Digestive and Liver Disease</i> , <b>2014</b> , 46, 369-75	3.3	65
25	Autocrine activity of soluble Flt-1 controls endothelial cell function and angiogenesis. <i>Vascular Cell</i> , <b>2011</b> , 3, 15	1	47
24	Loss of Akt activity increases circulating soluble endoglin release in preeclampsia: identification of inter-dependency between Akt-1 and heme oxygenase-1. <i>European Heart Journal</i> , <b>2012</b> , 33, 1150-8	9.5	46

23	Resveratrol inhibits the release of soluble fms-like tyrosine kinase (sFlt-1) from human placenta. <i>American Journal of Obstetrics and Gynecology</i> , <b>2012</b> , 206, 253.e10-5	6.4	46
22	Pravastatin for early-onset pre-eclampsia: a randomised, blinded, placebo-controlled trial. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2020</b> , 127, 478-488	3.7	44
21	Angiopietin-2 confers Atheroprotection in apoE <sup>-/-</sup> mice by inhibiting LDL oxidation via nitric oxide. <i>Circulation Research</i> , <b>2009</b> , 104, 1333-6	15.7	40
20	Heparin elevates circulating soluble fms-like tyrosine kinase-1 immunoreactivity in pregnant women receiving anticoagulation therapy. <i>Circulation</i> , <b>2011</b> , 124, 2543-53	16.7	40
19	Carbon monoxide inhibits sprouting angiogenesis and vascular endothelial growth factor receptor-2 phosphorylation. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 329-37	7	37
18	Activation of proteinase-activated receptor 2 stimulates soluble vascular endothelial growth factor receptor 1 release via epidermal growth factor receptor transactivation in endothelial cells. <i>Hypertension</i> , <b>2010</b> , 55, 689-97	8.5	31
17	VEGF-E activates endothelial nitric oxide synthase to induce angiogenesis via cGMP and PKG-independent pathways. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 345, 1275-82	3.4	28
16	Antiangiogenic effect of soluble vascular endothelial growth factor receptor-1 in placental angiogenesis. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>2005</b> , 12, 89-95		21
15	The release of nitric oxide from S-nitrosothiols promotes angiogenesis. <i>PLoS ONE</i> , <b>2006</b> , 1, e25	3.7	21
14	Selective inhibition of the human tie-1 promoter with triplex-forming oligonucleotides targeted to Ets binding sites. <i>Molecular Medicine</i> , <b>2006</b> , 12, 8-16	6.2	20
13	Upregulation of urotensin II receptor in preeclampsia causes in vitro placental release of soluble vascular endothelial growth factor receptor 1 in hypoxia. <i>Hypertension</i> , <b>2010</b> , 56, 172-8	8.5	19
12	Angiopietin-1 induces migration of monocytes in a tie-2 and integrin-independent manner. <i>Hypertension</i> , <b>2010</b> , 56, 477-83	8.5	18
11	Angiopietin-1 promotes atherosclerosis by increasing the proportion of circulating Gr1+ monocytes. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 81-89	9.9	14
10	S100P enhances the motility and invasion of human trophoblast cell lines. <i>Scientific Reports</i> , <b>2018</b> , 8, 11488	4.9	11
9	Bioenergetic effects of hydrogen sulfide suppress soluble Flt-1 and soluble endoglin in cystathionine gamma-lyase compromised endothelial cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 15810	4.9	11
8	Inorganic Nitrate in Angina Study: A Randomized Double-Blind Placebo-Controlled Trial. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	10
7	Hydrogen sulfide releasing molecule MZe786 inhibits soluble Flt-1 and prevents preeclampsia in a refined RUPP mouse model. <i>Redox Biology</i> , <b>2021</b> , 38, 101814	11.3	10
6	ECCell-Specific Glucocorticoid Reactivation Attenuates Inflammatory ECCell Destruction. <i>Frontiers in Endocrinology</i> , <b>2014</b> , 5, 165	5.7	9

5	MZe786 Rescues Cardiac Mitochondrial Activity in High sFlt-1 and Low HO-1 Environment. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	8
4	MZe786, a hydrogen sulfide-releasing aspirin prevents preeclampsia in heme oxygenase-1 haplodeficient pregnancy under high soluble flt-1 environment. <i>Redox Biology</i> , <b>2021</b> , 38, 101768	11.3	8
3	Response to letter regarding article, "dysregulation of hydrogen sulfide (H2S) producing enzyme cystathionine $\beta$ -lyase (CSE) contributes to maternal hypertension and placental abnormalities in preeclampsia". <i>Circulation</i> , <b>2014</b> , 129, e517-8	16.7	4
2	A randomized double-blind placebo-controlled crossover trial of sodium nitrate in patients with stable angina INAS. <i>Future Cardiology</i> , <b>2016</b> , 12, 617-626	1.3	4
1	Transdermal Delivery of a Hydrogen Sulphide Donor, ADT-OH Using Aqueous Gel Formulations for the Treatment of Impaired Vascular Function: an Ex Vivo Study.. <i>Pharmaceutical Research</i> , <b>2022</b> , 39, 341	4.5	2