

# Shakil Ahmad

## List of Publications by Year in Descending Order

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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 | 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         |
| 39 | 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         |
| 38 | 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        |
| 37 | 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        |
| 36 | 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        |
| 35 | MZe786 Rescues Cardiac Mitochondrial Activity in High sFlt-1 and Low HO-1 Environment. <i>Antioxidants</i> , <b>2020</b> , 9,  | 7.1  | 8         |
| 34 | Establishment of porcine and human expanded potential stem cells. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 687-699   | 9.4  | 127       |
| 33 | S100P enhances the motility and invasion of human trophoblast cell lines. <i>Scientific Reports</i> , <b>2018</b> , 8, 11488   | 4.9  | 11        |
| 32 | Angiopoietin-1 promotes atherosclerosis by increasing the proportion of circulating Gr1+ monocytes. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 81-89  | 9.9  | 14        |
| 31 | 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        |
| 30 | 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         |
| 29 | 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        |
| 28 | Response to letter regarding article, "dysregulation of hydrogen sulfide (H2S) producing enzyme cystathionine Elyase (CSE) contributes to maternal hypertension and placental abnormalities in preeclampsia". <i>Circulation</i> , <b>2014</b> , 129, e517-8 | 16.7 | 4         |
| 27 | ECell-Specific Glucocorticoid Reactivation Attenuates Inflammatory ECell Destruction. <i>Frontiers in Endocrinology</i> , <b>2014</b> , 5, 165   | 5.7  | 9         |
| 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 | Dysregulation of hydrogen sulfide producing enzyme cystathionine Elyase contributes to maternal hypertension and placental abnormalities in preeclampsia. <i>Circulation</i> , <b>2013</b> , 127, 2514-22  | 16.7 | 195       |
| 24 | 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        |

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| 23 | 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  |
| 22 | 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  |
| 21 | Autocrine activity of soluble Flt-1 controls endothelial cell function and angiogenesis. <i>Vascular Cell</i> , <b>2011</b> , 3, 15  | 1    | 47  |
| 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 | Angiotensin-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  |
| 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 | 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  |
| 16 | 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  |
| 15 | 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 |
| 14 | Angiotensin-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  |
| 13 | 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  |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9  | 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 |
| 8  | 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 |
| 7  | 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  |
| 6  | 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  |

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| 5 | The release of nitric oxide from S-nitrosothiols promotes angiogenesis. <i>PLoS ONE</i> , <b>2006</b> , 1, e25   | 3.7  | 21  |
| 4 | 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  |
| 3 | 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 |
| 2 | 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 | 6.9  | 108 |
| 1 | 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 |