Eric M George

List of Publications by Year in Descending Order

66 papers	2,556 citations	24 h-index	50 g-index
74 ext. papers	2,884 ext. citations	4.1 avg, IF	5.16 L-index

#	Paper	IF	Citations
66	Animal Models Used for Investigating Pathophysiology of Preeclampsia and Identifying Therapeutic Targets **2022**, 435-447		
65	Elastin-Like Polypeptide: VEGF-B Fusion Protein for Treatment of Preeclampsia. *Hypertension*, **2021** , 78, 1888-1901	8.5	0
64	The glycocalyx: a central regulator of vascular function. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R508-R518	3.2	11
63	Syncytialization alters the extracellular matrix and barrier function of placental trophoblasts. *American Journal of Physiology - Cell Physiology*, **2021**, 321, C694-C703	5.4	1
62	Immunological comparison of pregnant Dahl salt-sensitive and Sprague-Dawley rats commonly used to model characteristics of preeclampsia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 321, R125-R138	3.2	0
61	Unfractionated heparin displaces sFlt-1 from the placental extracellular matrix. *Biology of Sex Differences*, **2020**, 11, 34	9.3	5
60	Differential regulation of sFlt-1 splicing by U2AF65 and JMJD6 in placental-derived and endothelial cells. *Bioscience Reports*, **2020**, 40,	4.1	5
59	Biopolymer-Delivered, Maternally Sequestered NF-Β (Nuclear Factor-Β) Inhibitory Peptide for Treatment of Preeclampsia. *Hypertension*, **2020**, 75, 193-201	8.5	15
58	Animal models of preeclampsia: investigating pathophysiology and therapeutic targets. *American Journal of Obstetrics and Gynecology*, **2020**,	6.4	3
57	Research Recommendations From the National Institutes of Health Workshop on Predicting, Preventing, and Treating Preeclampsia. *Hypertension*, **2019**, 73, 757-766	8.5	19
56	Heparanase regulation of sFLT-1 release in trophoblasts in vitro. *Placenta*, **2019**, 85, 63-68	3.4	9
55	sFlt-1 Splicing Regulation by U2AF65 and JMJD6 in Endothelial Cells. *FASEB Journal*, **2019**, 33, 865.12	0.9	
54	sFlt-1 Production in Endothelial Cells is Regulated in Part by VEGF Receptor Signaling. *FASEB Journal*, **2019**, 33, 865.11	0.9	
53	Acute Hypoxia and Chronic Ischemia Induce Differential Total Changes in Placental Epigenetic Modifications. *Reproductive Sciences*, **2019**, 26, 766-773	3	10
52	Pro-angiogenic therapeutics for preeclampsia. *Biology of Sex Differences*, **2018**, 9, 36	9.3	24
51	A Novel Anti-Inflammatory Agent for the Management of Preeclampsia. *FASEB Journal*, **2018**, 32, 911.3	0.9	1
50	Alternative Administration Routes of a Biopolymer-Stabilized VEGF Chimera to Optimize Therapeutic Efficacy in Treating a Rodent Model of Placental Ischemia. *FASEB Journal*, **2018**, 32, 729.3	0.9	

49	Carbon Monoxide Releasing Molecules Blunt Placental Ischemia-Induced Hypertension. *American Journal of Hypertension*, **2017**, 30, 931-937	2.3	14
48	A Maternally Sequestered, Biopolymer-Stabilized Vascular Endothelial Growth Factor (VEGF) Chimera for Treatment of Preeclampsia. *Journal of the American Heart Association*, **2017**, 6,	6	21
47	Response to: Using Carbon Monoxide Releasing Molecules in Models of Pre-Eclampsia: When Should We Be Monitoring Vascular Effects?. *American Journal of Hypertension*, **2017**, 30, e11	2.3	1
46	The disease of theories: unravelling the mechanisms of pre-eclampsia. *Biochemist*, **2017**, 39, 22-25	0.5	1
45	Preeclampsia and the brain: neural control of cardiovascular changes during pregnancy and neurological outcomes of preeclampsia. *Clinical Science*, **2016**, 130, 1417-34	6.5	36
44	Therapeutic angiogenesis by vascular endothelial growth factor supplementation for treatment of renal disease. *Current Opinion in Nephrology and Hypertension*, **2016**, 25, 404-9	3.5	24
43	Corneal Penetrating Elastin-Like Polypeptide Carriers. *Journal of Ocular Pharmacology and Therapeutics*, **2016**, 32, 163-71	2.6	8
42	Photobleaching studies reveal that a single amino acid polymorphism is responsible for the differential binding affinities of linker histone subtypes H1.1 and H1.5. *Biology Open*, **2016**, 5, 372-80	2.2	19
41	Growth factor purification and delivery systems (PADS) for therapeutic angiogenesis. *Vascular Cell*, **2015**, 7, 1	1	23
40	Animal Models for Investigating Pathophysiological Mechanisms of Preeclampsia **2015**, 209-220		
39	Heme oxygenase induction attenuates TNF-□nduced hypertension in pregnant rodents. *Frontiers in Pharmacology*, **2015**, 6, 165	5.6	10
38	A polypeptide drug carrier for maternal delivery and prevention of fetal exposure. *Journal of Drug Targeting*, **2014**, 22, 935-47	5.4	21
37	Placental ischemia induces changes in gene expression in chorionic tissue. *Mammalian Genome*, **2014**, 25, 253-61	3.2	9
36	The heme oxygenases: important regulators of pregnancy and preeclampsia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R769-77	3.2	9
35	Ouabain inhibits placental sFlt1 production by repressing HSP27-dependent HIF-1□pathway. *FASEB Journal*, **2014**, 28, 4324-34	0.9	37
34	Maternally sequestered therapeutic polypeptides - a new approach for the management of preeclampsia. *Frontiers in Pharmacology*, **2014**, 5, 201	5.6	11
33	Lipid binding promotes oligomerization and focal adhesion activity of vinculin. *Journal of Cell Biology*, **2014**, 207, 643-56	7.3	41
32	New approaches for managing preeclampsia: clues from clinical and basic research. *Clinical Therapeutics*, **2014**, 36, 1873-1881	3.5	16

31	Heme oxygenase-1 promotes migration and epithelial Na+ channel expression in cytotrophoblasts and ischemic placentas. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R641-6	3.2	9
30	A corneal penetrating drug delivery system based on elastin-like polypeptide (1053.4). *FASEB Journal*, **2014**, 28, 1053.4	0.9	
29	Pathophysiology of hypertension in pre-eclampsia: a lesson in integrative physiology. *Acta Physiologica*, **2013**, 208, 224-33	5.6	130
28	Heme oxygenase in pregnancy and preeclampsia. *Current Opinion in Nephrology and Hypertension*, **2013**, 22, 156-62	3.5	18
27	Sildenafil attenuates placental ischemia-induced hypertension. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 305, R397-403	3.2	54
26	Recent advances in the understanding of the pathophysiology of preeclampsia. *Hypertension*, **2013**, 62, 666-73	8.5	91
25	Heme oxygenase inhibition increases blood pressure in pregnant rats. *American Journal of Hypertension*, **2013**, 26, 924-30	2.3	24
24	Hypertension: physiology and pathophysiology. *Comprehensive Physiology*, **2012**, 2, 2393-442	7.7	145
23	Vascular Mechanisms of Hypertension in the Pathophysiology of Preeclampsia **2012**, 1329-1337		
22	Heme Oxygenase-1 Attenuates Hypoxia-Induced sFlt-1 and Oxidative Stress in Placental Villi through Its Metabolic Products CO and Bilirubin. *International Journal of Hypertension*, **2012**, 2012, 486053	2.4	44
21	Induction of heme oxygenase-1 shifts the balance from proinjury to prosurvival in the placentas of pregnant rats with reduced uterine perfusion pressure. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R620-6	3.2	15
20	Endothelin as a final common pathway in the pathophysiology of preeclampsia: therapeutic implications. *Current Opinion in Nephrology and Hypertension*, **2012**, 21, 157-62	3.5	44
19	Linking placental ischemia and hypertension in preeclampsia: role of endothelin 1. *Hypertension*, **2012**, 60, 507-11	8.5	46
18	Sildenafil Administration Attenuates Placental Ischemia and sFlt-1 Induced Hypertension in Pregnant Rats. *FASEB Journal*, **2012**, 26, 1097.5	0.9	
17	Hyperinsulinemia increases blood pressure and pup weight in pregnant rats. *FASEB Journal*, **2012**, 26, 1097.6	0.9	
16	The Heart During Pregnancy. *Revista Espanola De Cardiologia (English Ed)*, **2011**, 64, 1045-1050	0.7	8
15	Role of 20-hydroxyeicosatetraenoic acid in mediating hypertension in response to chronic renal medullary endothelin type B receptor blockade. *PLoS ONE*, **2011**, 6, e26063	3.7	13
14	Endothelin type A receptor antagonist attenuates placental ischemia-induced hypertension and uterine vascular resistance. *American Journal of Obstetrics and Gynecology*, **2011**, 204, 330.e1-4	6.4	49

13	Mechanisms and potential therapies for preeclampsia. *Current Hypertension Reports*, **2011**, 13, 269-75	4.7	59
12	Induction of heme oxygenase 1 attenuates placental ischemia-induced hypertension. *Hypertension*, **2011**, 57, 941-8	8.5	92
11	Placental ischemia impairs middle cerebral artery myogenic responses in the pregnant rat. *Hypertension*, **2011**, 58, 1126-31	8.5	30
10	VEGF: a possible therapeutic for the treatment of preeclampsia?. *Expert Review of Obstetrics and Gynecology*, **2011**, 6, 255-257		1
9	Renal medullary endothelin-1 is decreased in Dahl salt-sensitive rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R519-23	3.2	20
8	Endothelin: key mediator of hypertension in preeclampsia. *American Journal of Hypertension*, **2011**, 24, 964-9	2.3	128
7	Induction of heme oxygenase-1 attenuates sFlt-1-induced hypertension in pregnant rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R1495-500	3.2	43
6	Nucleosome interaction surface of linker histone H1c is distinct from that of H1(0). *Journal of Biological Chemistry*, **2010**, 285, 20891-6	5.4	28
5	Regulation of sFlt-1 and VEGF secretion by adenosine under hypoxic conditions in rat placental villous explants. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R1629-33	3.2	33
4	Recent insights into the pathophysiology of preeclampsia. *Expert Review of Obstetrics and Gynecology*, **2010**, 5, 557-566		63
3	Prothymosin alpha is a component of a linker histone chaperone. *FEBS Letters*, **2010**, 584, 2833-6	3.8	26
2	Cajal-body formation correlates with differential coilin phosphorylation in primary and transformed cell lines. *Journal of Cell Science*, **2009**, 122, 1872-81	5.3	54
1	Hyperdynamic plasticity of chromatin proteins in pluripotent embryonic stem cells. *Developmental Cell*, **2006**, 10, 105-16	10.2	807