Eric M George

List of Publications by Year
in descending order

73 papers	3,181 citations	185998 28 h-index	161609 54 g-index
74 all docs	74 docs citations	74 times ranked	4024 citing authors

#	Article	IF	Citations
1	Hyperdynamic Plasticity of Chromatin Proteins in Pluripotent Embryonic Stem Cells. Developmental Cell, 2006, 10, 105-116.	3.1	915
2	Hypertension: Physiology and Pathophysiology. , 2012, 2, 2393-2442.		187
3	Pathophysiology of hypertension in preâ€eclampsia: a lesson in integrative physiology. Acta Physiologica, 2013, 208, 224-233.	1.8	160
4	Endothelin: Key Mediator of Hypertension in Preeclampsia. American Journal of Hypertension, 2011, 24, 964-969.	1.0	158
5	Recent Advances in the Understanding of the Pathophysiology of Preeclampsia. Hypertension, 2013, 62, 666-673.	1.3	105
6	Induction of Heme Oxygenase 1 Attenuates Placental Ischemiaâ€“Induced Hypertension. Hypertension, 2011, 57, 941-948.	1.3	101
7	Recent insights into the pathophysiology of preeclampsia. Expert Review of Obstetrics and Gynecology, 2010, 5, 557-566.	0.4	81
8	Mechanisms and Potential Therapies for Preeclampsia. Current Hypertension Reports, 2011, 13, 269-275.	1.5	69
9	Sildenafil attenuates placental ischemia-induced hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R397-R403.	0.9	64
10	Cajal-body formation correlates with differential coilin phosphorylation in primary and transformed cell lines. Journal of Cell Science, 2009, 122, 1872-1881.	1.2	60
11	Endothelin type A receptor antagonist attenuates placental ischemiaâ€“induced hypertension and uterine vascular resistance. American Journal of Obstetrics and Gynecology, 2011, 204, 330.e1-330.e4.	0.7	55
12	Linking Placental Ischemia and Hypertension in Preeclampsia. Hypertension, 2012, 60, 507-511.	1.3	51
13	Endothelin as a final common pathway in the pathophysiology of preeclampsia. Current Opinion in Nephrology and Hypertension, 2012, 21, 157-162.	1.0	50
14	Lipid binding promotes oligomerization and focal adhesion activity of vinculin. Journal of Cell Biology, 2014, 207, 643-656.	2.3	50
15	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-R1500.	0.9	47
16	Ouabain inhibits placental sFlt1 production by repressing HSP27â€dependent HIFâ€1Î± pathway. FASEB Journal, 2014, 28, 4324-4334.	0.2	47
17	Preeclampsia and the brain: neural control of cardiovascular changes during pregnancy and neurological outcomes of preeclampsia. Clinical Science, 2016, 130, 1417-1434.	1.8	47
18	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, 1-6.	0.5	46

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19	The glycocalyx: a central regulator of vascular function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R508-R518.	0.9	46
20	Pro-angiogenic therapeutics for preeclampsia. Biology of Sex Differences, 2018, 9, 36.	1.8	43
21	Research Recommendations From the National Institutes of Health Workshop on Predicting, Preventing, and Treating Preeclampsia. Hypertension, 2019, 73, 757-766.	1.3	38
22	Placental Ischemia Impairs Middle Cerebral Artery Myogenic Responses in the Pregnant Rat. Hypertension, 2011, 58, 1126-1131.	1.3	35
23	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-R1633.	0.9	34
24	Growth factor purification and delivery systems (PADS) for therapeutic angiogenesis. Vascular Cell, 2015, 7, 1.	0.2	34
25	Prothymosin Î± is a component of a linker histone chaperone. FEBS Letters, 2010, 584, 2833-2836.	1.3	33
26	Animal models of preeclampsia: investigating pathophysiology and therapeutic targets. American Journal of Obstetrics and Gynecology, 2022, 226, S973-S987.	0.7	32
27	Nucleosome Interaction Surface of Linker Histone H1c Is Distinct from That of H10. Journal of Biological Chemistry, 2010, 285, 20891-20896.	1.6	30
28	A Maternally Sequestered, Biopolymerâ€Stabilized Vascular Endothelial Growth Factor (VEGF) Chimera for Treatment of Preeclampsia. Journal of the American Heart Association, 2017, 6, .	1.6	30
29	Therapeutic angiogenesis by vascular endothelial growth factor supplementation for treatment of renal disease. Current Opinion in Nephrology and Hypertension, 2016, 25, 404-409.	1.0	29
30	Biopolymer-Delivered, Maternally Sequestered NF-ÎºB (Nuclear Factor-ÎºB) Inhibitory Peptide for Treatment of Preeclampsia. Hypertension, 2020, 75, 193-201.	1.3	29
31	Heme Oxygenase Inhibition Increases Blood Pressure in Pregnant Rats. American Journal of Hypertension, 2013, 26, 924-930.	1.0	26
32	Heme oxygenase in pregnancy and preeclampsia. Current Opinion in Nephrology and Hypertension, 2013, 22, 156-162.	1.0	25
33	Renal medullary endothelin-1 is decreased in Dahl salt-sensitive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R519-R523.	0.9	24
34	A polypeptide drug carrier for maternal delivery and prevention of fetal exposure. Journal of Drug Targeting, 2014, 22, 935-947.	2.1	24
35	Acute Hypoxia and Chronic Ischemia Induce Differential Total Changes in Placental Epigenetic Modifications. Reproductive Sciences, 2019, 26, 766-773.	1.1	22
36	New Approaches for Managing Preeclampsia: Clues From Clinical and Basic Research. Clinical Therapeutics, 2014, 36, 1873-1881.	1.1	19

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37	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, 372-380.	0.6	19
38	STOX1. Hypertension, 2013, 61, 561-563.	1.3	17
39	Role of 20-Hydroxyeicosatetraenoic Acid in Mediating Hypertension in Response to Chronic Renal Medullary Endothelin Type B Receptor Blockade. PLoS ONE, 2011, 6, e26063.	1.1	16
40	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-R626.	0.9	16
41	Carbon Monoxide Releasing Molecules Blunt Placental Ischemia-Induced Hypertension. American Journal of Hypertension, 2017, 30, 931-937.	1.0	16
42	Maternally sequestered therapeutic polypeptides Ã¢â‚¬â€œ a new approach for the management of preeclampsia. Frontiers in Pharmacology, 2014, 5, 201.	1.6	15
43	Heme oxygenase induction attenuates TNF-Î±-induced hypertension in pregnant rodents. Frontiers in Pharmacology, 2015, 6, 165.	1.6	15
44	The Heart During Pregnancy. Revista Espanola De Cardiologia (English Ed), 2011, 64, 1045-1050.	0.4	14
45	Heme oxygenase-1 promotes migration and Î²-epithelial Na⁺ channel expression in cytotrophoblasts and ischemic placentas. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R641-R646.	0.9	13
46	The heme oxygenases: important regulators of pregnancy and preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R769-R777.	0.9	12
47	Corneal Penetrating Elastin-Like Polypeptide Carriers. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 163-171.	0.6	12
48	Placental ischemia induces changes in gene expression in chorionic tissue. Mammalian Genome, 2014, 25, 253-261.	1.0	11
49	Heparanase regulation of sFLT-1 release in trophoblasts in vitro. Placenta, 2019, 85, 63-68.	0.7	11
50	Unfractionated heparin displaces sFlt-1 from the placental extracellular matrix. Biology of Sex Differences, 2020, 11, 34.	1.8	11
51	Syncytialization alters the extracellular matrix and barrier function of placental trophoblasts. American Journal of Physiology - Cell Physiology, 2021, 321, C694-C703.	2.1	11
52	Animal Models of Preeclampsia: Mechanistic Insights and Promising Therapeutics. Endocrinology, 2022, 163, .	1.4	9
53	Differential regulation of sFlt-1 splicing by U2AF65 and JMJD6 in placental-derived and endothelial cells. Bioscience Reports, 2020, 40, .	1.1	8
54	Elastin-Like Polypeptide: VEGF-B Fusion Protein for Treatment of Preeclampsia. Hypertension, 2021, 78, 1888-1901.	1.3	5

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55	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.	0.9	3
56	A Novel Antiâ€Inflammatory Agent for the Management of Preeclampsia. FASEB Journal, 2018, 32, 911.3.	0.2	2
57	20: Improvement of uterine artery resistive index and blood pressure in response to an Endothelin type A receptor antagonist in a rat model of preeclampsia. American Journal of Obstetrics and Gynecology, 2011, 204, S12-S13.	0.7	1
58	VEGF: a possible therapeutic for the treatment of preeclampsia?. Expert Review of Obstetrics and Gynecology, 2011, 6, 255-257.	0.4	1
59	Hyperdynamic Plasticity of Chromatin Proteins in Pluripotent Embryonic Stem Cells. Developmental Cell, 2012, 22, 233-234.	3.1	1
60	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-e11.	1.0	1
61	A new genetic clue to unravel the origins of pre-eclampsia. Nature Reviews Nephrology, 2017, 13, 599-600.	4.1	1
62	The disease of theories: unravelling the mechanisms of pre-eclampsia. Biochemist, 2017, 39, 22-25.	0.2	1
63	Vascular Mechanisms of Hypertension in the Pathophysiology of Preeclampsia. , 2012, , 1329-1337.		0
64	Animal Models for Investigating Pathophysiological Mechanisms of Preeclampsia. , 2015, , 209-220.		0
65	MMP9 Alters the Barrier Function of Syncytialized Placental Trophoblasts. FASEB Journal, 2021, 35, .	0.2	0
66	Sildenafil Administration Attenuates Placental Ischemia and sFltâ€1 Induced Hypertension in Pregnant Rats. FASEB Journal, 2012, 26, 1097.5.	0.2	0
67	Hyperinsulinemia increases blood pressure and pup weight in pregnant rats. FASEB Journal, 2012, 26, 1097.6.	0.2	0
68	A corneal penetrating drug delivery system based on elastinâ€like polypeptide (1053.4). FASEB Journal, 2014, 28, 1053.4.	0.2	0
69	Alternative Administration Routes of a Biopolymerâ€Stabilized VEGF Chimera to Optimize Therapeutic Efficacy in Treating a Rodent Model of Placental Ischemia. FASEB Journal, 2018, 32, 729.3.	0.2	0
70	sFltâ€1 Splicing Regulation by U2AF65 and JMJD6 in Endothelial Cells. FASEB Journal, 2019, 33, 865.12.	0.2	0
71	sFltâ€1 Production in Endothelial Cells is Regulated in Part by VEGF Receptor Signaling. FASEB Journal, 2019, 33, 865.11.	0.2	0
72	Animal Models Used for Investigating Pathophysiology of Preeclampsia and Identifying Therapeutic Targets. , 2022, , 435-447.		0

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73	Syncytialization of BeWo trophoblasts induces changes in angiogenic signaling and response to hypoxia. FASEB Journal, 2022, 36, .	0.2	0