

Raghvendra K Dubey

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106
papers

5,071
citations

41
h-index

68
g-index

112
ext. papers

5,348
ext. citations

6.7
avg, IF

5.19
L-index

#	Paper	IF	Citations
106	Sex hormones and hypertension. <i>Cardiovascular Research</i> , 2002 , 53, 688-708	9.9	361
105	Nitric oxide inhibits angiotensin II-induced migration of rat aortic smooth muscle cell. Role of cyclic-nucleotides and angiotensin1 receptors. <i>Journal of Clinical Investigation</i> , 1995 , 96, 141-9	15.9	258
104	Estrogen-induced cardiorenal protection: potential cellular, biochemical, and molecular mechanisms. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 280, F365-88	4.3	178
103	Circulating nitric oxide (nitrite/nitrate) levels in postmenopausal women substituted with 17 beta-estradiol and norethisterone acetate. A two-year follow-up study. <i>Hypertension</i> , 1995 , 25, 848-53	8.5	172
102	Vascular consequences of menopause and hormone therapy: importance of timing of treatment and type of estrogen. <i>Cardiovascular Research</i> , 2005 , 66, 295-306	9.9	164
101	Effects of nitric oxide on human spermatozoa: evidence that nitric oxide decreases sperm motility and induces sperm toxicity. <i>Human Reproduction</i> , 1995 , 10, 1786-90	5.7	164
100	17Beta-estradiol, its metabolites, and progesterone inhibit cardiac fibroblast growth. <i>Hypertension</i> , 1998 , 31, 522-8	8.5	135
99	Estradiol metabolites inhibit endothelin synthesis by an estrogen receptor-independent mechanism. <i>Hypertension</i> , 2001 , 37, 640-4	8.5	114
98	Phytoestrogens inhibit growth and MAP kinase activity in human aortic smooth muscle cells. <i>Hypertension</i> , 1999 , 33, 177-82	8.5	113
97	Cardiovascular pharmacology of estradiol metabolites. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 308, 403-9	4.7	112
96	Cardiovascular protective effects of 17beta-estradiol metabolites. <i>Journal of Applied Physiology</i> , 2001 , 91, 1868-83	3.7	102
95	Adenosine inhibits collagen and protein synthesis in cardiac fibroblasts: role of A2B receptors. <i>Hypertension</i> , 1998 , 31, 943-8	8.5	102
94	Exogenous and endogenous adenosine inhibits fetal calf serum-induced growth of rat cardiac fibroblasts: role of A2B receptors. <i>Circulation</i> , 1997 , 96, 2656-66	16.7	100
93	Impairment of UDP-glucose dehydrogenase and glucuronidation activities in liver and small intestine of rat and guinea pig in vitro by piperine. <i>Biochemical Pharmacology</i> , 1993 , 46, 229-38	6	91
92	Estrogen and tamoxifen metabolites protect smooth muscle cell membrane phospholipids against peroxidation and inhibit cell growth. <i>Circulation Research</i> , 1999 , 84, 229-39	15.7	86
91	Differential effects of hormone-replacement therapy on endogenous nitric oxide (nitrite/nitrate) levels in postmenopausal women substituted with 17 beta-estradiol valerate and cyproterone acetate or medroxyprogesterone acetate. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 388-94	5.6	83
90	Clinically used estrogens differentially inhibit human aortic smooth muscle cell growth and mitogen-activated protein kinase activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 964-72	9.4	83

89	Adenosine inhibits growth of human aortic smooth muscle cells via A2B receptors. <i>Hypertension</i> , 1998 , 31, 516-21	8.5	81
88	Role of the extracellular cAMP-adenosine pathway in renal physiology. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, F597-612	4.3	80
87	A(2b) receptors mediate the antimitogenic effects of adenosine in cardiac fibroblasts. <i>Hypertension</i> , 2001 , 37, 716-21	8.5	75
86	Adenosine A1 receptor activation as a brake on the microglial response after experimental traumatic brain injury in mice. <i>Journal of Neurotrauma</i> , 2010 , 27, 901-10	5.4	71
85	2-Methoxyestradiol, an estradiol metabolite, inhibits neointima formation and smooth muscle cell growth via double blockade of the cell cycle. <i>Circulation Research</i> , 2006 , 99, 266-74	15.7	70
84	A(2B) receptors mediate antimitogenesis in vascular smooth muscle cells. <i>Hypertension</i> , 2000 , 35, 267-72	8.5	70
83	A(2B) adenosine receptors stimulate growth of porcine and rat arterial endothelial cells. <i>Hypertension</i> , 2002 , 39, 530-5	8.5	69
82	Methoxyestradiols mediate the antimitogenic effects of estradiol on vascular smooth muscle cells via estrogen receptor-independent mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 278, 27-33	3.4	69
81	Factors controlling growth and matrix production in vascular smooth muscle and glomerular mesangial cells. <i>Current Opinion in Nephrology and Hypertension</i> , 1997 , 6, 88-105	3.5	68
80	Hormone replacement therapy and cardiovascular disease: what went wrong and where do we go from here?. <i>Hypertension</i> , 2004 , 44, 789-95	8.5	65
79	Adenosine inhibits growth of rat aortic smooth muscle cells. Possible role of A2b receptor. <i>Hypertension</i> , 1996 , 27, 786-93	8.5	63
78	Effects of estradiol and its metabolites on glomerular endothelial nitric oxide synthesis and mesangial cell growth. <i>Hypertension</i> , 2001 , 37, 645-50	8.5	57
77	Methoxyestradiols mediate estradiol-induced antimitogenesis in human aortic SMCs. <i>Hypertension</i> , 2002 , 39, 874-9	8.5	57
76	Cyclic AMP-adenosine pathway inhibits vascular smooth muscle cell growth. <i>Hypertension</i> , 1996 , 28, 765-71	8.5	51
75	Cardiac fibroblasts express the cAMP-adenosine pathway. <i>Hypertension</i> , 2000 , 36, 337-42	8.5	50
74	Cyclic AMP-adenosine pathway induces nitric oxide synthesis in aortic smooth muscle cells. <i>Hypertension</i> , 1998 , 31, 296-302	8.5	50
73	CYP450- and COMT-derived estradiol metabolites inhibit activity of human coronary artery SMCs. <i>Hypertension</i> , 2003 , 41, 807-13	8.5	49
72	Endogenous cyclic AMP-adenosine pathway regulates cardiac fibroblast growth. <i>Hypertension</i> , 2001 , 37, 1095-100	8.5	49

71	Role of methoxyestradiols in the growth inhibitory effects of estradiol on human glomerular mesangial cells. <i>Hypertension</i> , 2002 , 39, 418-24	8.5	48
70	Estradiol inhibits smooth muscle cell growth in part by activating the cAMP-adenosine pathway. <i>Hypertension</i> , 2000 , 35, 262-6	8.5	48
69	Methoxyestradiols mediate the antimitogenic effects of 17beta-estradiol: direct evidence from catechol-O-methyltransferase-knockout mice. <i>Circulation</i> , 2003 , 108, 2974-8	16.7	45
68	Potential vascular actions of 2-methoxyestradiol. <i>Trends in Endocrinology and Metabolism</i> , 2009 , 20, 374-9.8		42
67	Smooth muscle cell-derived adenosine inhibits cell growth. <i>Hypertension</i> , 1996 , 27, 766-73	8.5	42
66	Estrogen metabolite 2-methoxyestradiol induces apoptosis and inhibits cell proliferation and collagen production in rat and human leiomyoma cells: a potential medicinal treatment for uterine fibroids. <i>Journal of the Society for Gynecologic Investigation</i> , 2006 , 13, 542-50		41
65	Developmental potential of human oocytes matured in vitro followed by vitrification and activation. <i>Journal of Ovarian Research</i> , 2013 , 6, 30	5.5	40
64	cAMP-adenosine pathway in the proximal tubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 317, 1219-29	4.7	40
63	Estradiol metabolites attenuate renal and cardiovascular injury induced by chronic nitric oxide synthase inhibition. <i>Journal of Cardiovascular Pharmacology</i> , 2005 , 46, 25-35	3.1	39
62	Adenosine inhibits collagen and total protein synthesis in vascular smooth muscle cells. <i>Hypertension</i> , 1999 , 33, 190-4	8.5	38
61	Methoxyestradiols mediate the antimitogenic effects of locally applied estradiol on cardiac fibroblast growth. <i>Hypertension</i> , 2002 , 39, 412-7	8.5	37
60	Adenosine biosynthesis in the collecting duct. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 307, 888-96	4.7	35
59	Extracellular 2,3-cyclic adenosine monophosphate is a potent inhibitor of preglomerular vascular smooth muscle cell and mesangial cell growth [corrected]. <i>Hypertension</i> , 2010 , 56, 151-8	8.5	34
58	Estradiol stimulates capillary formation by human endothelial progenitor cells: role of estrogen receptor- α / β , heme oxygenase 1, and tyrosine kinase. <i>Hypertension</i> , 2010 , 56, 397-404	8.5	33
57	2-hydroxyestradiol is a prodrug of 2-methoxyestradiol. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 309, 1093-7	4.7	33
56	Increased 2-methoxyestradiol production in human coronary versus aortic vascular cells. <i>Hypertension</i> , 2001 , 37, 658-62	8.5	33
55	2-Hydroxyestradiol attenuates renal disease in chronic puromycin aminonucleoside nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 2737-47	12.7	33
54	Expression of the 2 β cAMP-adenosine pathway in astrocytes and microglia. <i>Journal of Neurochemistry</i> , 2011 , 118, 979-87	6	32

53	Estrogen receptor- β but not α GPER inhibits high glucose-induced human VSMC proliferation: potential role of ROS and ERK. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 220-8	5.6	32
52	Adenosine inhibits PDGF-induced growth of human glomerular mesangial cells via A _{2B} receptors. <i>Hypertension</i> , 2005 , 46, 628-34	8.5	32
51	Localization and characterization of drug-metabolizing enzymes along the villus-crypt surface of the rat small intestine--II. Conjugases. <i>Biochemical Pharmacology</i> , 1988 , 37, 177-84	6	31
50	Cytochromes 1A1/1B1- and catechol-O-methyltransferase-derived metabolites mediate estradiol-induced antimitogenesis in human cardiac fibroblast. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 247-55	5.6	30
49	Adenosine Attenuates Human Coronary Artery Smooth Muscle Cell Proliferation by Inhibiting Multiple Signaling Pathways That Converge on Cyclin D. <i>Hypertension</i> , 2015 , 66, 1207-19	8.5	28
48	Differential regulation of estrogen receptor subtypes alpha and beta in human aortic smooth muscle cells by oligonucleotides and estradiol. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2373-81	5.6	27
47	Candidate genes and mechanisms for 2-methoxyestradiol-mediated vasoprotection. <i>Hypertension</i> , 2010 , 56, 964-72	8.5	26
46	Peroxidase-catalyzed pro- versus antioxidant effects of 4-hydroxytamoxifen: enzyme specificity and biochemical sequelae. <i>Chemical Research in Toxicology</i> , 1999 , 12, 28-37	4	26
45	Culture of rat mesenteric arteriolar smooth muscle cells: effects of platelet-derived growth factor, angiotensin, and nitric oxide on growth. <i>Cell and Tissue Research</i> , 1994 , 275, 133-41	4.2	26
44	Catecholamines abrogate antimitogenic effects of 2-hydroxyestradiol on human aortic vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 1745-50	9.4	25
43	Localization and characterization of drug-metabolizing enzymes along the villus-crypt surface of the rat small intestine--I. Monooxygenases. <i>Biochemical Pharmacology</i> , 1988 , 37, 169-76	6	25
42	Stem cell-like human endothelial progenitors show enhanced colony-forming capacity after brief sevoflurane exposure: preconditioning of angiogenic cells by volatile anesthetics. <i>Anesthesia and Analgesia</i> , 2009 , 109, 1117-26	3.9	24
41	A gas chromatography/mass spectrometry assay to measure estradiol, catecholestradiols, and methoxyestradiols in plasma. <i>Steroids</i> , 2004 , 69, 255-61	2.8	24
40	2 μ M and 3 μ M inhibit proliferation of preglomerular vascular smooth muscle cells and glomerular mesangial cells via A _{2B} receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 337, 444-50	4.7	23
39	Extracellular 3 μ 5 μ cAMP-adenosine pathway inhibits glomerular mesangial cell growth. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 333, 808-15	4.7	22
38	Oviduct cells express the cyclic AMP-adenosine pathway. <i>Biology of Reproduction</i> , 2003 , 69, 868-75	3.9	22
37	Vascular effects of environmental oestrogens: implications for reproductive and vascular health. <i>Human Reproduction Update</i> , 2000 , 6, 351-63	15.8	22
36	The extracellular cAMP-adenosine pathway significantly contributes to the in vivo production of adenosine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 117-23	4.7	21

35	Phosphodiesterases in the rat renal vasculature. <i>Journal of Cardiovascular Pharmacology</i> , 1997 , 30, 798-801		21
34	Catecholamines block the antimitogenic effect of estradiol on human coronary artery smooth muscle cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 3922-31	5.6	20
33	2-Methoxyestradiol, an endogenous 17 β -estradiol metabolite, inhibits microglial proliferation and activation via an estrogen receptor-independent mechanism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E313-22	6	19
32	2-Methoxyestradiol: a potential treatment for multiple proliferative disorders. <i>Endocrinology</i> , 2007 , 148, 4125-7	4.8	19
31	Effects of endosulfan and its metabolites on rat liver mitochondrial respiration and enzyme activities in vitro. <i>Biochemical Pharmacology</i> , 1984 , 33, 3405-10	6	18
30	Adenosine production by brain cells. <i>Journal of Neurochemistry</i> , 2017 , 141, 676-693	6	16
29	The pancreatohepatorenal cAMP-adenosine mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 321, 799-809	4.7	15
28	Tibolone and its metabolites induce antimitogenesis in human coronary artery smooth muscle cells: role of estrogen, progesterone, and androgen receptors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 852-9	5.6	15
27	Possible role of adenosine deaminase in vaso-occlusive diseases. <i>Journal of Hypertension</i> , 1996 , 14, 1977-80		15
26	Methylation of 2-hydroxyestradiol in isolated organs. <i>Hypertension</i> , 2003 , 42, 82-7	8.5	14
25	Differential effects of natural and environmental estrogens on endothelin synthesis in bovine oviduct cells. <i>Biology of Reproduction</i> , 2003 , 68, 1430-6	3.9	12
24	Resveratrol, a red wine constituent, blocks the antimitogenic effects of estradiol on human female coronary artery smooth muscle cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, E9-17	5.6	11
23	Amphotericin B as an intracellular antioxidant: protection against 2,2-azobis(2,4-dimethylvaleronitrile)-induced peroxidation of membrane phospholipids in rat aortic smooth muscle cells. <i>Biochemical Pharmacology</i> , 1997 , 54, 937-45	6	10
22	The estrogen metabolites 2-methoxyestradiol and 2-hydroxyestradiol inhibit endometriotic cell proliferation in estrogen-receptor-independent manner. <i>Gynecological Endocrinology</i> , 2016 , 32, 529-33	2.4	9
21	Receptor for activated protein kinase C1 regulates cell proliferation by modulating calcium signaling. <i>Hypertension</i> , 2011 , 58, 689-95	8.5	9
20	Medroxyprogesterone abrogates the inhibitory effects of estradiol on vascular smooth muscle cells by preventing estradiol metabolism. <i>Hypertension</i> , 2008 , 51, 1197-202	8.5	9
19	Catecholamines block the antimitogenic effect of estradiol on human glomerular mesangial cells. <i>Hypertension</i> , 2003 , 42, 349-55	8.5	9
18	Dysregulation of extracellular adenosine levels by vascular smooth muscle cells from spontaneously hypertensive rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 249-54	9.4	9

17	Long-term effects of combined oral contraceptives on markers of endothelial function and lipids in healthy premenopausal women. <i>Contraception</i> , 2002 , 65, 231-6	2.5	9
16	Vascular biology of human coronary artery and bypass graft disease. <i>Current Opinion in Cardiology</i> , 1993 , 8, 963-974	2.1	9
15	2-Methoxyestradiol blocks the RhoA/ROCK1 pathway in human aortic smooth muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E995-1007	6	8
14	Catecholamines block 2-hydroxyestradiol-induced antimitogenesis in mesangial cells. <i>Hypertension</i> , 2002 , 39, 854-9	8.5	8
13	Transcriptomic Analysis of Human Brain-Microvascular Endothelial Response to -Pericytes: Cell Orientation Defines Barrier Function. <i>Cells</i> , 2021 , 10,	7.9	8
12	Dihydrotestosterone induces pro-angiogenic factors and assists homing of MSC into the cardiac tissue. <i>Journal of Molecular Endocrinology</i> , 2018 , 60, 1-15	4.5	7
11	A genetic variant in the catechol-O-methyl transferase (COMT) gene is related to age-dependent differences in the therapeutic effect of calcium-channel blockers. <i>Medicine (United States)</i> , 2017 , 96, e7029	1.8	7
10	Oral contraceptives and the risk of thrombosis and atherosclerosis. <i>Expert Opinion on Investigational Drugs</i> , 2002 , 11, 329-32	5.9	7
9	Conversion of tibolone to 7alpha-methyl-ethinyl estradiol using gas chromatography-mass spectrometry and liquid chromatography-mass spectrometry: interpretation and clinical implications. <i>Menopause</i> , 2006 , 13, 926-34	2.5	6
8	Piperine Decreases Binding of Drugs to Human Plasma and Increases Uptake by Brain Microvascular Endothelial Cells. <i>Phytotherapy Research</i> , 2017 , 31, 1868-1874	6.7	5
7	Mechanism of 17β-estradiol stimulated integration of human mesenchymal stem cells in heart tissue. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 133, 115-124	5.8	5
6	Natural and environmental oestrogens induce TGFβ1 synthesis in oviduct cells. <i>Reproduction</i> , 2018 , 155, 233-244	3.8	5
5	Reduced liver function is the trigger for renal sodium retention following portal vein ligation in the rat. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1996 , 11, 850-6	4	4
4	Transcriptomic Analysis of Human Brain -Microvascular Endothelial Cell Driven Changes in -Vascular Pericytes. <i>Cells</i> , 2021 , 10,	7.9	3
3	Adenosine, Via A Receptors, Inhibits Human (P-SMC) Progenitor Smooth Muscle Cell Growth. <i>Hypertension</i> , 2020 , 75, 109-118	8.5	2
2	Estradiol Inhibits Human Brain Vascular Pericyte Migration Activity: A Functional and Transcriptomic Analysis. <i>Cells</i> , 2021 , 10,	7.9	1
1	Adenosine in the Kidney 2008 , 413-423		