Raghvendra K Dubey

List of Publications by Year
in descending order

111 papers	5,822 citations	66343 42 h-index	79698 73 g-index
112 all docs	112 docs citations	112 times ranked	4953 citing authors

#	Article	IF	Citations
1	Sex hormones and hypertension. Cardiovascular Research, 2002, 53, 688-708.	3.8	453
2	Nitric oxide inhibits angiotensin II-induced migration of rat aortic smooth muscle cell. Role of cyclic-nucleotides and angiotensin1 receptors.. Journal of Clinical Investigation, 1995, 96, 141-149.	8.2	301
3	Circulating Nitric Oxide (Nitrite/Nitrate) Levels in Postmenopausal Women Substituted With 17Î²-Estradiol and Norethisterone Acetate. Hypertension, 1995, 25, 848-853.	2.7	220
4	Estrogen-induced cardiorenal protection: potential cellular, biochemical, and molecular mechanisms. American Journal of Physiology - Renal Physiology, 2001, 280, F365-F388.	2.7	208
5	Vascular consequences of menopause and hormone therapy: Importance of timing of treatment and type of estrogen. Cardiovascular Research, 2005, 66, 295-306.	3.8	197
6	Andrology: Effects of nitric oxide on human spermatozoa: evidence that nitric oxide decreases sperm motility and induces sperm toxicity. Human Reproduction, 1995, 10, 1786-1790.	0.9	191
7	17Î²-Estradiol, Its Metabolites, and Progesterone Inhibit Cardiac Fibroblast Growth. Hypertension, 1998, 31, 522-528.	2.7	153
8	Estradiol Metabolites Inhibit Endothelin Synthesis by an Estrogen Receptor-Independent Mechanism. Hypertension, 2001, 37, 640-644.	2.7	138
9	Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells. Hypertension, 1999, 33, 177-182.	2.7	123
10	Cardiovascular Pharmacology of Estradiol Metabolites. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 403-409.	2.5	122
11	Adenosine Inhibits Collagen and Protein Synthesis in Cardiac Fibroblasts. Hypertension, 1998, 31, 943-948.	2.7	113
12	Exogenous and Endogenous Adenosine Inhibits Fetal Calf Serumâ€“Induced Growth of Rat Cardiac Fibroblasts. Circulation, 1997, 96, 2656-2666.	1.6	113
13	Invited Review: Cardiovascular protective effects of 17Î²-estradiol metabolites. Journal of Applied Physiology, 2001, 91, 1868-1883.	2.5	112
14	Impairment of UDP-glucose dehydrogenase and glucuronidation activities in liver and small intestine of rat and guinea pig in vitro by piperine. Biochemical Pharmacology, 1993, 46, 229-238.	4.4	103
15	Estrogen and Tamoxifen Metabolites Protect Smooth Muscle Cell Membrane Phospholipids Against Peroxidation and Inhibit Cell Growth. Circulation Research, 1999, 84, 229-239.	4.5	95
16	Clinically Used Estrogens Differentially Inhibit Human Aortic Smooth Muscle Cell Growth and Mitogen-Activated Protein Kinase Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 964-972.	2.4	92
17	Differential Effects of Hormone-Replacement Therapy on Endogenous Nitric Oxide (Nitrite/Nitrate) Levels in Postmenopausal Women Substituted with 17Î²-Estradiol Valerate and Cyproterone Acetate or Medroxyprogesterone Acetate¹. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 388-394.	3.6	90
18	Adenosine Inhibits Growth of Human Aortic Smooth Muscle Cells Via A _{2B} Receptors. Hypertension, 1998, 31, 516-521.	2.7	89

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19	Role of the extracellular cAMP-adenosine pathway in renal physiology. American Journal of Physiology - Renal Physiology, 2001, 281, F597-F612.	2.7	85
20	Factors controlling growth and matrix production and matrix production in vascular smooth muscle and glomerular mesangial cell. Current Opinion in Nephrology and Hypertension, 1997, 6, 88-105.	2.0	83
21	Hormone Replacement Therapy and Cardiovascular Disease. Hypertension, 2004, 44, 789-795.	2.7	81
22	A _{2B} Receptors Mediate the Antimitogenic Effects of Adenosine in Cardiac Fibroblasts. Hypertension, 2001, 37, 716-721.	2.7	78
23	2-Methoxyestradiol, an Estradiol Metabolite, Inhibits Neointima Formation and Smooth Muscle Cell Growth via Double Blockade of the Cell Cycle. Circulation Research, 2006, 99, 266-274.	4.5	78
24	Adenosine A₁ Receptor Activation as a Brake on the Microglial Response after Experimental Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2010, 27, 901-910.	3.4	78
25	Methoxyestradiols Mediate the Antimitogenic Effects of Estradiol on Vascular Smooth Muscle Cells via Estrogen Receptor-Independent Mechanisms. Biochemical and Biophysical Research Communications, 2000, 278, 27-33.	2.1	77
26	A _{2B} Adenosine Receptors Stimulate Growth of Porcine and Rat Arterial Endothelial Cells. Hypertension, 2002, 39, 530-535.	2.7	75
27	A2BReceptors Mediate Antimitogenesis in Vascular Smooth Muscle Cells. Hypertension, 2000, 35, 267-272.	2.7	73
28	Adenosine Inhibits Growth of Rat Aortic Smooth Muscle Cells. Hypertension, 1996, 27, 786-793.	2.7	73
29	Methoxyestradiols Mediate Estradiol-Induced Antimitogenesis in Human Aortic SMCs. Hypertension, 2002, 39, 874-879.	2.7	67
30	Effects of Estradiol and Its Metabolites on Glomerular Endothelial Nitric Oxide Synthesis and Mesangial Cell Growth. Hypertension, 2001, 37, 645-650.	2.7	65
31	Cyclic AMPâ€“Adenosine Pathway Inhibits Vascular Smooth Muscle Cell Growth. Hypertension, 1996, 28, 765-771.	2.7	58
32	Cyclic AMP-Adenosine Pathway Induces Nitric Oxide Synthesis in Aortic Smooth Muscle Cells. Hypertension, 1998, 31, 296-302.	2.7	53
33	Estradiol Inhibits Smooth Muscle Cell Growth in Part by Activating the cAMP-Adenosine Pathway. Hypertension, 2000, 35, 262-266.	2.7	53
34	Endogenous Cyclic AMP-Adenosine Pathway Regulates Cardiac Fibroblast Growth. Hypertension, 2001, 37, 1095-1100.	2.7	53
35	CYP450- and COMT-Derived Estradiol Metabolites Inhibit Activity of Human Coronary Artery SMCs. Hypertension, 2003, 41, 807-813.	2.7	51
36	Cardiac Fibroblasts Express the cAMP-Adenosine Pathway. Hypertension, 2000, 36, 337-342.	2.7	50

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37	Role of Methoxyestradiols in the Growth Inhibitory Effects of Estradiol on Human Glomerular Mesangial Cells. Hypertension, 2002, 39, 418-424.	2.7	50
38	Potential vascular actions of 2-methoxyestradiol. Trends in Endocrinology and Metabolism, 2009, 20, 374-379.	7.1	50
39	Smooth Muscle Cellâ€“Derived Adenosine Inhibits Cell Growth. Hypertension, 1996, 27, 766-773.	2.7	49
40	Methoxyestradiols Mediate the Antimitogenic Effects of 17Î²-Estradiol. Circulation, 2003, 108, 2974-2978.	1.6	48
41	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. Journal of the Society for Gynecologic Investigation, 2006, 13, 542-550.	1.7	47
42	Developmental potential of human oocytes matured in vitro followed by vitrification and activation. Journal of Ovarian Research, 2013, 6, 30.	3.0	45
43	Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells. Hypertension, 1999, 33, 190-194.	2.7	41
44	cAMP-Adenosine Pathway in the Proximal Tubule. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1219-1229.	2.5	41
45	Estrogen Receptor-Î± But Not -Î² or GPER Inhibits High Glucose-Induced Human VSMC Proliferation: Potential Role of ROS and ERK. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 220-228.	3.6	41
46	Methoxyestradiols Mediate the Antimitogenic Effects of Locally Applied Estradiol on Cardiac Fibroblast Growth. Hypertension, 2002, 39, 412-417.	2.7	40
47	2-Hydroxyestradiol Attenuates Renal Disease in Chronic Puromycin Aminonucleoside Nephropathy. Journal of the American Society of Nephrology: JASN, 2002, 13, 2737-2747.	6.1	40
48	2-Hydroxyestradiol Is a Prodrug of 2-Methoxyestradiol. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 1093-1097.	2.5	40
49	Estradiol Metabolites Attenuate Renal and Cardiovascular Injury Induced by Chronic Nitric Oxide Synthase Inhibition. Journal of Cardiovascular Pharmacology, 2005, 46, 25-35.	1.9	40
50	Estradiol Stimulates Capillary Formation by Human Endothelial Progenitor Cells. Hypertension, 2010, 56, 397-404.	2.7	38
51	Adenosine Biosynthesis in the Collecting Duct. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 888-896.	2.5	36
52	Increased 2-Methoxyestradiol Production in Human Coronary Versus Aortic Vascular Cells. Hypertension, 2001, 37, 658-662.	2.7	35
53	Extracellular 2â€²,3â€²-Cyclic Adenosine Monophosphate Is a Potent Inhibitor of Preglomerular Vascular Smooth Muscle Cell and Mesangial Cell Growth. Hypertension, 2010, 56, 151-158.	2.7	35
54	Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A 2B Receptors. Hypertension, 2005, 46, 628-634.	2.7	34

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55	Expression of the 2â€²,3â€²â€cAMPâ€adenosine pathway in astrocytes and microglia. Journal of Neurochemistry, 2011, 118, 979-987.	3.9	34
56	Cytochromes 1A1/1B1- and Catechol-O-Methyltransferase-Derived Metabolites Mediate Estradiol-Induced Antimitogenesis in Human Cardiac Fibroblast. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 247-255.	3.6	33
57	Localization and characterization of drug-metabolizing enzymes along the villus-crypt surface of the rat small intestineâ€"II. Biochemical Pharmacology, 1988, 37, 177-184.	4.4	32
58	Adenosine Attenuates Human Coronary Artery Smooth Muscle Cell Proliferation by Inhibiting Multiple Signaling Pathways That Converge on Cyclin D. Hypertension, 2015, 66, 1207-1219.	2.7	32
59	Candidate Genes and Mechanisms for 2-Methoxyestradiolâ€"Mediated Vasoprotection. Hypertension, 2010, 56, 964-972.	2.7	30
60	Catecholamines Abrogate Antimitogenic Effects of 2-Hydroxyestradiol on Human Aortic Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1745-1750.	2.4	29
61	Localization and characterization of drugmetabolizing enzymes along the villus-crypt surface of the rat small intestineâ€"I. Biochemical Pharmacology, 1988, 37, 169-176.	4.4	28
62	Peroxidase-Catalyzed Pro- versus Antioxidant Effects of 4-Hydroxytamoxifen:â€‰ Enzyme Specificity and Biochemical Sequelae. Chemical Research in Toxicology, 1999, 12, 28-37.	3.3	28
63	Vascular effects of environmental oestrogens: implications for reproductive and vascular health. Human Reproduction Update, 2000, 6, 351-363.	10.8	28
64	Culture of rat mesenteric arteriolar smooth muscle cells: effects of platelet-derived growth factor, angiotensin, and nitric oxide on growth. Cell and Tissue Research, 1994, 275, 133-141.	2.9	27
65	Differential Regulation of Estrogen Receptor Subtypes Î± and Î² in Human Aortic Smooth Muscle Cells by Oligonucleotides and Estradiol. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 2373-2381.	3.6	27
66	A gas chromatography/mass spectrometry assay to measure estradiol, catecholestradiols, and methoxyestradiols in plasma. Steroids, 2004, 69, 255-261.	1.8	27
67	Stem Cell-Like Human Endothelial Progenitors Show Enhanced Colony-Forming Capacity After Brief Sevoflurane Exposure: Preconditioning of Angiogenic Cells by Volatile Anesthetics. Anesthesia and Analgesia, 2009, 109, 1117-1126.	2.2	26
68	Oviduct Cells Express the Cyclic AMP-Adenosine Pathway1. Biology of Reproduction, 2003, 69, 868-875.	2.7	25
69	2-Methoxyestradiol, an endogenous 17Î²-estradiol metabolite, inhibits microglial proliferation and activation via an estrogen receptor-independent mechanism. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E313-E322.	3.5	25
70	Phosphodiesterases in the Rat Renal Vasculature. Journal of Cardiovascular Pharmacology, 1997, 30, 798-801.	1.9	24
71	The Extracellular cAMP-Adenosine Pathway Significantly Contributes to the in Vivo Production of Adenosine. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 117-123.	2.5	23
72	2â€²-AMP and 3â€²-AMP Inhibit Proliferation of Preglomerular Vascular Smooth Muscle Cells and Glomerular Mesangial Cells via A2B Receptors. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 444-450.	2.5	23

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73	Adenosine production by brain cells. Journal of Neurochemistry, 2017, 141, 676-693.	3.9	23
74	Extracellular 3â€²,5â€²-cAMP-Adenosine Pathway Inhibits Glomerular Mesangial Cell Growth. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 808-815.	2.5	22
75	Effects of endosulfan and its metabolites on rat liver mitochondrial respiration and enzyme activities in vitro. Biochemical Pharmacology, 1984, 33, 3405-3410.	4.4	21
76	Catecholamines Block the Antimitogenic Effect of Estradiol on Human Coronary Artery Smooth Muscle Cells. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 3922-3931.	3.6	21
77	2-Methoxyestradiol: A Potential Treatment for Multiple Proliferative Disorders. Endocrinology, 2007, 148, 4125-4127.	2.8	20
78	Possible role of adenosine deaminase in vaso-occlusive diseases. Journal of Hypertension, 1996, 14, 19???30.	0.5	16
79	Tibolone and Its Metabolites Induce Antimitogenesis in Human Coronary Artery Smooth Muscle Cells: Role of Estrogen, Progesterone, and Androgen Receptors. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 852-859.	3.6	16
80	Differential Effects of Natural and Environmental Estrogens on Endothelin Synthesis in Bovine Oviduct Cells1. Biology of Reproduction, 2003, 68, 1430-1436.	2.7	15
81	Methylation of 2-Hydroxyestradiol in Isolated Organs. Hypertension, 2003, 42, 82-87.	2.7	15
82	The Pancreatohepatorenal cAMP-Adenosine Mechanism. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 799-809.	2.5	15
83	Transcryptomic Analysis of Human Brain-Microvascular Endothelial Response to -Pericytes: Cell Orientation Defines Barrier Function. Cells, 2021, 10, 963.	4.1	15
84	Amphotericin B as an intracellular antioxidant. Biochemical Pharmacology, 1997, 54, 937-945.	4.4	13
85	Long-term effects of combined oral contraceptives on markers of endothelial function and lipids in healthy premenopausal women. Contraception, 2002, 65, 231-236.	1.5	12
86	Resveratrol, a Red Wine Constituent, Blocks the Antimitogenic Effects of Estradiol on Human Female Coronary Artery Smooth Muscle Cells. Journal of Clinical Endocrinology and Metabolism, 2010, 95, E9-E17.	3.6	12
87	Receptor for Activated Protein Kinase C1 Regulates Cell Proliferation by Modulating Calcium Signaling. Hypertension, 2011, 58, 689-695.	2.7	12
88	Dysregulation of Extracellular Adenosine Levels by Vascular Smooth Muscle Cells From Spontaneously Hypertensive Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 249-254.	2.4	11
89	Medroxyprogesterone Abrogates the Inhibitory Effects of Estradiol on Vascular Smooth Muscle Cells by Preventing Estradiol Metabolism. Hypertension, 2008, 51, 1197-1202.	2.7	11
90	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. Medicine (United States), 2017, 96, e7029.	1.0	11

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91	Vascular biology of human coronary artery and bypass graft disease. Current Opinion in Cardiology, 1993, 8, 963-974.	1.8	10
92	The estrogen metabolites 2-methoxyestradiol and 2-hydroxyestradiol inhibit endometriotic cell proliferation in estrogen-receptor-independent manner. Gynecological Endocrinology, 2016, 32, 529-533.	1.7	10
93	Natural and environmental oestrogens induce TGFB1 synthesis in oviduct cells. Reproduction, 2018, 155, 233-244.	2.6	10
94	Dihydrotestosterone induces pro-angiogenic factors and assists homing of MSC into the cardiac tissue. Journal of Molecular Endocrinology, 2018, 60, 1-15.	2.5	10
95	Oral contraceptives and the risk of thrombosis and atherosclerosis. Expert Opinion on Investigational Drugs, 2002, 11, 329-332.	4.1	9
96	Catecholamines Block the Antimitogenic Effect of Estradiol on Human Glomerular Mesangial Cells. Hypertension, 2003, 42, 349-355.	2.7	9
97	Conversion of tibolone to 7Î±-methyl-ethinyl estradiol using gas chromatography-mass spectrometry and liquid chromatography-mass spectrometry. Menopause, 2006, 13, 926-934.	2.0	9
98	Piperine Decreases Binding of Drugs to Human Plasma and Increases Uptake by Brain Microvascular Endothelial Cells. Phytotherapy Research, 2017, 31, 1868-1874.	5.8	9
99	Mechanism of 17Î²-estradiol stimulated integration of human mesenchymal stem cells in heart tissue. Journal of Molecular and Cellular Cardiology, 2019, 133, 115-124.	1.9	9
100	Catecholamines Block 2-Hydroxyestradiol-Induced Antimitogenesis in Mesangial Cells. Hypertension, 2002, 39, 854-859.	2.7	8
101	2-Methoxyestradiol blocks the RhoA/ROCK1 pathway in human aortic smooth muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E995-E1007.	3.5	8
102	2-Methoxyestradiol. Hypertension, 2017, 69, 1014-1016.	2.7	8
103	Transcryptomic Analysis of Human Brain -Microvascular Endothelial Cell Driven Changes in -Vascular Pericytes. Cells, 2021, 10, 1784.	4.1	8
104	Adenosine, Via A _{2B} Receptors, Inhibits Human (P-SMC) Progenitor Smooth Muscle Cell Growth. Hypertension, 2020, 75, 109-118.	2.7	7
105	Estradiol Inhibits Human Brain Vascular Pericyte Migration Activity: A Functional and Transcriptomic Analysis. Cells, 2021, 10, 2314.	4.1	6
106	Transcriptomic and Functional Evidence for Differential Effects of MCF-7 Breast Cancer Cell-Secretome on Vascular and Lymphatic Endothelial Cell Growth. International Journal of Molecular Sciences, 2022, 23, 7192.	4.1	5
107	Reduced liver function is the trigger for renal sodium retention following portal vein ligation in the rat. Journal of Gastroenterology and Hepatology (Australia), 1996, 11, 850-856.	2.8	4
108	Proteomic Analysis of Estrogen-Mediated Enhancement of Mesenchymal Stem Cell-Induced Angiogenesis In Vivo. Cells, 2021, 10, 2181.	4.1	3

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109	Modulation of Cyclic AMP Levels in Fallopian Tube Cells by Natural and Environmental Estrogens. Cells, 2021, 10, 1250.	4.1	2
110	Mammary Epithelial and Endothelial Cell Spheroids as a Potential Functional In vitro Model for Breast Cancer Research. Journal of Visualized Experiments, 2021, , .	0.3	2
111	Adenosine in the Kidney. , 2008, , 413-423.		0