

# Raghvendra K Dubey

## List of Publications by Year in descending order

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111  
papers

5,822  
citations

66315

42  
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79644

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.	1.8	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.	3.9	301
3	Circulating Nitric Oxide (Nitrite/Nitrate) Levels in Postmenopausal Women Substituted With 17 $\beta$ -Estradiol and Norethisterone Acetate. Hypertension, 1995, 25, 848-853.	1.3	220
4	Estrogen-induced cardiorenal protection: potential cellular, biochemical, and molecular mechanisms. American Journal of Physiology - Renal Physiology, 2001, 280, F365-F388.	1.3	208
5	Vascular consequences of menopause and hormone therapy: Importance of timing of treatment and type of estrogen. Cardiovascular Research, 2005, 66, 295-306.	1.8	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.	0.4	191
7	17 $\beta$ -Estradiol, Its Metabolites, and Progesterone Inhibit Cardiac Fibroblast Growth. Hypertension, 1998, 31, 522-528.	1.3	153
8	Estradiol Metabolites Inhibit Endothelin Synthesis by an Estrogen Receptor-Independent Mechanism. Hypertension, 2001, 37, 640-644.	1.3	138
9	Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells. Hypertension, 1999, 33, 177-182.	1.3	123
10	Cardiovascular Pharmacology of Estradiol Metabolites. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 403-409.	1.3	122
11	Adenosine Inhibits Collagen and Protein Synthesis in Cardiac Fibroblasts. Hypertension, 1998, 31, 943-948.	1.3	113
12	Exogenous and Endogenous Adenosine Inhibits Fetal Calf Serum $\alpha$ -Induced Growth of Rat Cardiac Fibroblasts. Circulation, 1997, 96, 2656-2666.	1.6	113
13	Invited Review: Cardiovascular protective effects of 17 $\beta$ -estradiol metabolites. Journal of Applied Physiology, 2001, 91, 1868-1883.	1.2	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.	2.0	103
15	Estrogen and Tamoxifen Metabolites Protect Smooth Muscle Cell Membrane Phospholipids Against Peroxidation and Inhibit Cell Growth. Circulation Research, 1999, 84, 229-239.	2.0	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.	1.1	92
17	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 <sup>1</sup> . Journal of Clinical Endocrinology and Metabolism, 1997, 82, 388-394.	1.8	90
18	Adenosine Inhibits Growth of Human Aortic Smooth Muscle Cells Via A <sub>2B</sub> Receptors. Hypertension, 1998, 31, 516-521.	1.3	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.	1.3	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.	1.0	83
21	Hormone Replacement Therapy and Cardiovascular Disease. Hypertension, 2004, 44, 789-795.	1.3	81
22	A <sub>2B</sub> Receptors Mediate the Antimitogenic Effects of Adenosine in Cardiac Fibroblasts. Hypertension, 2001, 37, 716-721.	1.3	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.	2.0	78
24	Adenosine A <sub>1</sub> Receptor Activation as a Brake on the Microglial Response after Experimental Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2010, 27, 901-910.	1.7	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.	1.0	77
26	A <sub>2B</sub> Adenosine Receptors Stimulate Growth of Porcine and Rat Arterial Endothelial Cells. Hypertension, 2002, 39, 530-535.	1.3	75
27	A <sub>2B</sub> Receptors Mediate Antimitogenesis in Vascular Smooth Muscle Cells. Hypertension, 2000, 35, 267-272.	1.3	73
28	Adenosine Inhibits Growth of Rat Aortic Smooth Muscle Cells. Hypertension, 1996, 27, 786-793.	1.3	73
29	Methoxyestradiols Mediate Estradiol-Induced Antimitogenesis in Human Aortic SMCs. Hypertension, 2002, 39, 874-879.	1.3	67
30	Effects of Estradiol and Its Metabolites on Glomerular Endothelial Nitric Oxide Synthesis and Mesangial Cell Growth. Hypertension, 2001, 37, 645-650.	1.3	65
31	Cyclic AMP-Adenosine Pathway Inhibits Vascular Smooth Muscle Cell Growth. Hypertension, 1996, 28, 765-771.	1.3	58
32	Cyclic AMP-Adenosine Pathway Induces Nitric Oxide Synthesis in Aortic Smooth Muscle Cells. Hypertension, 1998, 31, 296-302.	1.3	53
33	Estradiol Inhibits Smooth Muscle Cell Growth in Part by Activating the cAMP-Adenosine Pathway. Hypertension, 2000, 35, 262-266.	1.3	53
34	Endogenous Cyclic AMP-Adenosine Pathway Regulates Cardiac Fibroblast Growth. Hypertension, 2001, 37, 1095-1100.	1.3	53
35	CYP450- and COMT-Derived Estradiol Metabolites Inhibit Activity of Human Coronary Artery SMCs. Hypertension, 2003, 41, 807-813.	1.3	51
36	Cardiac Fibroblasts Express the cAMP-Adenosine Pathway. Hypertension, 2000, 36, 337-342.	1.3	50

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37	Role of Methoxyestradiols in the Growth Inhibitory Effects of Estradiol on Human Glomerular Mesangial Cells. <i>Hypertension</i> , 2002, 39, 418-424.	1.3	50
38	Potential vascular actions of 2-methoxyestradiol. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 374-379.	3.1	50
39	Smooth Muscle Cell-Derived Adenosine Inhibits Cell Growth. <i>Hypertension</i> , 1996, 27, 766-773.	1.3	49
40	Methoxyestradiols Mediate the Antimitogenic Effects of 17 $\beta$ -Estradiol. <i>Circulation</i> , 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. <i>Journal of the Society for Gynecologic Investigation</i> , 2006, 13, 542-550.	1.9	47
42	Developmental potential of human oocytes matured in vitro followed by vitrification and activation. <i>Journal of Ovarian Research</i> , 2013, 6, 30.	1.3	45
43	Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells. <i>Hypertension</i> , 1999, 33, 190-194.	1.3	41
44	cAMP-Adenosine Pathway in the Proximal Tubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1219-1229.	1.3	41
45	Estrogen Receptor- $\alpha$ But Not $\beta$ or GPER Inhibits High Glucose-Induced Human VSMC Proliferation: Potential Role of ROS and ERK. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 220-228.	1.8	41
46	Methoxyestradiols Mediate the Antimitogenic Effects of Locally Applied Estradiol on Cardiac Fibroblast Growth. <i>Hypertension</i> , 2002, 39, 412-417.	1.3	40
47	2-Hydroxyestradiol Attenuates Renal Disease in Chronic Puromycin Aminonucleoside Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 2737-2747.	3.0	40
48	2-Hydroxyestradiol Is a Prodrug of 2-Methoxyestradiol. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 1093-1097.	1.3	40
49	Estradiol Metabolites Attenuate Renal and Cardiovascular Injury Induced by Chronic Nitric Oxide Synthase Inhibition. <i>Journal of Cardiovascular Pharmacology</i> , 2005, 46, 25-35.	0.8	40
50	Estradiol Stimulates Capillary Formation by Human Endothelial Progenitor Cells. <i>Hypertension</i> , 2010, 56, 397-404.	1.3	38
51	Adenosine Biosynthesis in the Collecting Duct. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 888-896.	1.3	36
52	Increased 2-Methoxyestradiol Production in Human Coronary Versus Aortic Vascular Cells. <i>Hypertension</i> , 2001, 37, 658-662.	1.3	35
53	Extracellular 2',3'-Cyclic Adenosine Monophosphate Is a Potent Inhibitor of Preglomerular Vascular Smooth Muscle Cell and Mesangial Cell Growth. <i>Hypertension</i> , 2010, 56, 151-158.	1.3	35
54	Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A <sub>2B</sub> Receptors. <i>Hypertension</i> , 2005, 46, 628-634.	1.3	34

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55	Expression of the 2 $\epsilon$ ,3 $\epsilon$ -cAMP-adenosine pathway in astrocytes and microglia. <i>Journal of Neurochemistry</i> , 2011, 118, 979-987.	2.1	34
56	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, 247-255.	1.8	33
57	Localization and characterization of drug-metabolizing enzymes along the villus-crypt surface of the rat small intestine. <i>Biochemical Pharmacology</i> , 1988, 37, 177-184.	2.0	32
58	Adenosine Attenuates Human Coronary Artery Smooth Muscle Cell Proliferation by Inhibiting Multiple Signaling Pathways That Converge on Cyclin D. <i>Hypertension</i> , 2015, 66, 1207-1219.	1.3	32
59	Candidate Genes and Mechanisms for 2-Methoxyestradiol-Mediated Vasoprotection. <i>Hypertension</i> , 2010, 56, 964-972.	1.3	30
60	Catecholamines Abrogate Antimitogenic Effects of 2-Hydroxyestradiol on Human Aortic Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1745-1750.	1.1	29
61	Localization and characterization of drug-metabolizing enzymes along the villus-crypt surface of the rat small intestine. <i>Biochemical Pharmacology</i> , 1988, 37, 169-176.	2.0	28
62	Peroxidase-Catalyzed Pro- versus Antioxidant Effects of 4-Hydroxytamoxifen: Enzyme Specificity and Biochemical Sequelae. <i>Chemical Research in Toxicology</i> , 1999, 12, 28-37.	1.7	28
63	Vascular effects of environmental oestrogens: implications for reproductive and vascular health. <i>Human Reproduction Update</i> , 2000, 6, 351-363.	5.2	28
64	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, 133-141.	1.5	27
65	Differential Regulation of Estrogen Receptor Subtypes $\text{ER}\alpha$ and $\text{ER}\beta$ in Human Aortic Smooth Muscle Cells by Oligonucleotides and Estradiol. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 2373-2381.	1.8	27
66	A gas chromatography/mass spectrometry assay to measure estradiol, catecholestradiols, and methoxyestradiols in plasma. <i>Steroids</i> , 2004, 69, 255-261.	0.8	27
67	Stem Cell-Like Human Endothelial Progenitors Show Enhanced Colony-Forming Capacity After Brief Sevoflurane Exposure: Preconditioning of Angiogenic Cells by Volatile Anesthetics. <i>Anesthesia and Analgesia</i> , 2009, 109, 1117-1126.	1.1	26
68	Oviduct Cells Express the Cyclic AMP-Adenosine Pathway. <i>Biology of Reproduction</i> , 2003, 69, 868-875.	1.2	25
69	2-Methoxyestradiol, an endogenous 17 $\beta$ -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-E322.	1.8	25
70	Phosphodiesterases in the Rat Renal Vasculature. <i>Journal of Cardiovascular Pharmacology</i> , 1997, 30, 798-801.	0.8	24
71	The Extracellular cAMP-Adenosine Pathway Significantly Contributes to the in Vivo Production of Adenosine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 117-123.	1.3	23
72	2 $\epsilon$ -AMP and 3 $\epsilon$ -AMP Inhibit Proliferation of Preglomerular Vascular Smooth Muscle Cells and Glomerular Mesangial Cells via A2B Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 444-450.	1.3	23

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73	Adenosine production by brain cells. <i>Journal of Neurochemistry</i> , 2017, 141, 676-693.	2.1	23
74	Extracellular 3',5'-cAMP-Adenosine Pathway Inhibits Glomerular Mesangial Cell Growth. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 808-815.	1.3	22
75	Effects of endosulfan and its metabolites on rat liver mitochondrial respiration and enzyme activities in vitro. <i>Biochemical Pharmacology</i> , 1984, 33, 3405-3410.	2.0	21
76	Catecholamines Block the Antimitogenic Effect of Estradiol on Human Coronary Artery Smooth Muscle Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 3922-3931.	1.8	21
77	2-Methoxyestradiol: A Potential Treatment for Multiple Proliferative Disorders. <i>Endocrinology</i> , 2007, 148, 4125-4127.	1.4	20
78	Possible role of adenosine deaminase in vaso-occlusive diseases. <i>Journal of Hypertension</i> , 1996, 14, 19??30.	0.3	16
79	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, 852-859.	1.8	16
80	Differential Effects of Natural and Environmental Estrogens on Endothelin Synthesis in Bovine Oviduct Cells. <i>Biology of Reproduction</i> , 2003, 68, 1430-1436.	1.2	15
81	Methylation of 2-Hydroxyestradiol in Isolated Organs. <i>Hypertension</i> , 2003, 42, 82-87.	1.3	15
82	The Pancreatohepatorenal cAMP-Adenosine Mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 799-809.	1.3	15
83	Transcriptomic Analysis of Human Brain-Microvascular Endothelial Response to -Pericytes: Cell Orientation Defines Barrier Function. <i>Cells</i> , 2021, 10, 963.	1.8	15
84	Amphotericin B as an intracellular antioxidant. <i>Biochemical Pharmacology</i> , 1997, 54, 937-945.	2.0	13
85	Long-term effects of combined oral contraceptives on markers of endothelial function and lipids in healthy premenopausal women. <i>Contraception</i> , 2002, 65, 231-236.	0.8	12
86	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-E17.	1.8	12
87	Receptor for Activated Protein Kinase C1 Regulates Cell Proliferation by Modulating Calcium Signaling. <i>Hypertension</i> , 2011, 58, 689-695.	1.3	12
88	Dysregulation of Extracellular Adenosine Levels by Vascular Smooth Muscle Cells From Spontaneously Hypertensive Rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 249-254.	1.1	11
89	Medroxyprogesterone Abrogates the Inhibitory Effects of Estradiol on Vascular Smooth Muscle Cells by Preventing Estradiol Metabolism. <i>Hypertension</i> , 2008, 51, 1197-1202.	1.3	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. <i>Medicine (United States)</i> , 2017, 96, e7029.	0.4	11

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91	Vascular biology of human coronary artery and bypass graft disease. <i>Current Opinion in Cardiology</i> , 1993, 8, 963-974.	0.8	10
92	The estrogen metabolites 2-methoxyestradiol and 2-hydroxyestradiol inhibit endometriotic cell proliferation in estrogen-receptor-independent manner. <i>Gynecological Endocrinology</i> , 2016, 32, 529-533.	0.7	10
93	Natural and environmental oestrogens induce TGF $\beta$ 1 synthesis in oviduct cells. <i>Reproduction</i> , 2018, 155, 233-244.	1.1	10
94	Dihydrotestosterone induces pro-angiogenic factors and assists homing of MSC into the cardiac tissue. <i>Journal of Molecular Endocrinology</i> , 2018, 60, 1-15.	1.1	10
95	Oral contraceptives and the risk of thrombosis and atherosclerosis. <i>Expert Opinion on Investigational Drugs</i> , 2002, 11, 329-332.	1.9	9
96	Catecholamines Block the Antimitogenic Effect of Estradiol on Human Glomerular Mesangial Cells. <i>Hypertension</i> , 2003, 42, 349-355.	1.3	9
97	Conversion of tibolone to 7 $\beta$ -methyl-ethinyl estradiol using gas chromatography-mass spectrometry and liquid chromatography-mass spectrometry. <i>Menopause</i> , 2006, 13, 926-934.	0.8	9
98	Piperine Decreases Binding of Drugs to Human Plasma and Increases Uptake by Brain Microvascular Endothelial Cells. <i>Phytotherapy Research</i> , 2017, 31, 1868-1874.	2.8	9
99	Mechanism of 17 $\beta$ -estradiol stimulated integration of human mesenchymal stem cells in heart tissue. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 115-124.	0.9	9
100	Catecholamines Block 2-Hydroxyestradiol-Induced Antimitogenesis in Mesangial Cells. <i>Hypertension</i> , 2002, 39, 854-859.	1.3	8
101	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-E1007.	1.8	8
102	2-Methoxyestradiol. <i>Hypertension</i> , 2017, 69, 1014-1016.	1.3	8
103	Transcriptomic Analysis of Human Brain -Microvascular Endothelial Cell Driven Changes in -Vascular Pericytes. <i>Cells</i> , 2021, 10, 1784.	1.8	8
104	Adenosine, Via A <sub>2B</sub> Receptors, Inhibits Human (P-SMC) Progenitor Smooth Muscle Cell Growth. <i>Hypertension</i> , 2020, 75, 109-118.	1.3	7
105	Estradiol Inhibits Human Brain Vascular Pericyte Migration Activity: A Functional and Transcriptomic Analysis. <i>Cells</i> , 2021, 10, 2314.	1.8	6
106	Transcriptomic and Functional Evidence for Differential Effects of MCF-7 Breast Cancer Cell-Secretome on Vascular and Lymphatic Endothelial Cell Growth. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7192.	1.8	5
107	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, 850-856.	1.4	4
108	Proteomic Analysis of Estrogen-Mediated Enhancement of Mesenchymal Stem Cell-Induced Angiogenesis In Vivo. <i>Cells</i> , 2021, 10, 2181.	1.8	3

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109	Modulation of Cyclic AMP Levels in Fallopian Tube Cells by Natural and Environmental Estrogens. Cells, 2021, 10, 1250.	1.8	2
110	Mammary Epithelial and Endothelial Cell Spheroids as a Potential Functional <i>In vitro</i> Model for Breast Cancer Research. Journal of Visualized Experiments, 2021, , .	0.2	2
111	Adenosine in the Kidney. , 2008, , 413-423.		0