

# Sourav Kundu

## List of Publications by Year in descending order

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37  
papers

1,093  
citations

394421

19  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial Dysfunction: The Link Between Homocysteine and Hydrogen Sulfide. <i>Current Medicinal Chemistry</i> , 2014, 21, 3662-3672.	2.4	164
2	Increased endogenous H <sub>2</sub> S generation by CBS, CSE, and 3MST gene therapy improves ex vivo renovascular relaxation in hyperhomocysteinemia. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C41-C51.	4.6	102
3	Moderate intensity exercise prevents diabetic cardiomyopathy associated contractile dysfunction through restoration of mitochondrial function and connexin 43 levels in db/db mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 163-173.	1.9	78
4	Toll-like Receptor 4 Deficiency Reduces Oxidative Stress and Macrophage Mediated Inflammation in Hypertensive Kidney. <i>Scientific Reports</i> , 2017, 7, 6349.	3.3	76
5	Hydrogen sulfide deficiency and diabetic renal remodeling: role of matrix metalloproteinase-9. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E1365-E1378.	3.5	71
6	Regulation and involvement of matrix metalloproteinases in vascular diseases. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 89-118.	3.0	63
7	GY4137, a Hydrogen Sulfide Donor Modulates miR194-Dependent Collagen Realignment in Diabetic Kidney. <i>Scientific Reports</i> , 2017, 7, 10924.	3.3	47
8	MMP-9- and NMDA receptor-mediated mechanism of diabetic renovascular remodeling and kidney dysfunction: Hydrogen sulfide is a key modulator. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 172-185.	2.7	45
9	Hydrogen sulfide mitigates hyperglycemic remodeling via liver kinase B1-adenosine monophosphate-activated protein kinase signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2816-2826.	4.1	43
10	Angiotensin-II induced hypertension and renovascular remodelling in tissue inhibitor of metalloproteinase 2 knockout mice. <i>Journal of Hypertension</i> , 2013, 31, 2270-2281.	0.5	36
11	DNA hypermethylation in hyperhomocysteinemia contributes to abnormal extracellular matrix metabolism in the kidney. <i>FASEB Journal</i> , 2015, 29, 4713-4725.	0.5	36
12	Regulation of ovarian steroidogenesis in vitro by gonadotropin in common carp <i>Cyprinus carpio</i> : interaction between calcium- and adenylate cyclase-dependent pathways and involvement of ERK signaling cascade. <i>Journal of Molecular Endocrinology</i> , 2010, 45, 207-218.	2.5	34
13	Regulation of ovarian steroidogenesis in vitro by IGF-I and insulin in common carp, <i>Cyprinus carpio</i> : stimulation of aromatase activity and P450arom gene expression. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 95-103.	3.2	32
14	Involvement of PI3 kinase and MAP kinase in IGF-I- and insulin-induced oocyte maturation in <i>Cyprinus carpio</i> . <i>Molecular and Cellular Endocrinology</i> , 2009, 309, 93-100.	3.2	30
15	Matrix metalloproteinase inhibition mitigates renovascular remodeling in salt-sensitive hypertension. <i>Physiological Reports</i> , 2013, 1, e00063.	1.7	30
16	Folic Acid Mitigates Angiotensin-II-Induced Blood Pressure and Renal Remodeling. <i>PLoS ONE</i> , 2013, 8, e83813.	2.5	29
17	Epigenetic regulation of aortic remodeling in hyperhomocysteinemia. <i>FASEB Journal</i> , 2014, 28, 3411-3422.	0.5	28
18	Hydrogen Sulfide Protects Hyperhomocysteinemia-Induced Renal Damage by Modulation of Caveolin and eNOS Interaction. <i>Scientific Reports</i> , 2019, 9, 2223.	3.3	27

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19	Hydrogen sulfide inhibits Ca <sup>2+</sup> -induced mitochondrial permeability transition pore opening in type-1 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E269-E283.	3.5	25
20	Exogenous hydrogen sulfide and miR-21 antagonism attenuates macrophage-mediated inflammation in ischemia reperfusion injury of the aged kidney. <i>GeroScience</i> , 2021, 43, 1349-1367.	4.6	23
21	Stimulation of salmon calcitonin on secretion of 17 $\beta$ -estradiol by the ovarian follicles of common carp, <i>Cyprinus carpio</i> . <i>Journal of Endocrinology</i> , 2008, 196, 413-424.	2.6	17
22	Involvement of PI3 kinase and MAP kinase in IGF-I and insulin-induced ovarian steroidogenesis in common carp <i>Cyprinus carpio</i> . <i>General and Comparative Endocrinology</i> , 2013, 181, 98-106.	1.8	13
23	Estrogen-regulated expression of P450arom genes in the brain and ovaries of adult female Indian climbing perch, <i>Anabas testudineus</i> . <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 29-42.	1.9	11
24	Steroid-induced oocyte maturation in Indian shad <i>Tenualosa ilisha</i> (Hamilton, 1822) is dependent on phosphatidylinositol 3 kinase but not MAP kinase activation. <i>Molecular and Cellular Endocrinology</i> , 2014, 390, 26-33.	3.2	9
25	Expression of LH receptor in nonpregnant mouse endometrium: LH induction of 3 $\beta$ -HSD and de novo synthesis of progesterone. <i>Journal of Endocrinology</i> , 2012, 215, 151-165.	2.6	8
26	Changes in plasma steroid levels during oocyte development in Indian shad, <i>Tenualosa ilisha</i> (Hamilton, 1822): Role of gonadotropins on in vitro steroid production and development of oocyte maturational competence. <i>Animal Reproduction Science</i> , 2013, 141, 177-188.	1.5	8
27	Hyperhomocysteinemia: a missing link to dysfunctional HDL via paraoxanase-1. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 755-763.	1.4	8
28	Calcitonin Functions Both as a Hypocalcemic Hormone and Stimulator of Steroid Production and Oocyte Maturation in Ovarian Follicles of Common Carp, <i>Cyprinus carpio</i> . , 2011, , .		0
29	Renovascular remodeling in Angiotensin-II induced hypertension is strain-dependent. <i>FASEB Journal</i> , 2012, 26, lb809.	0.5	0
30	Hydrogen sulfide mitigates diabetic nephropathy through NMDA receptor mediated renal remodeling. <i>FASEB Journal</i> , 2012, 26, 687.5.	0.5	0
31	Hydrogen sulfide mitigates renovascular matrix pathobiology in hyperhomocysteinemia. <i>FASEB Journal</i> , 2012, 26, 866.4.	0.5	0
32	Matrix Metalloproteinase Inhibition Protects Kidney from Adverse Remodeling Induced by Hypertension. <i>FASEB Journal</i> , 2013, 27, 906.6.	0.5	0
33	H <sub>2</sub> S Therapy Improves MMP-9 and NMDA Receptor Mediated Diabetic Renovascular Remodeling. <i>FASEB Journal</i> , 2013, 27, 702.9.	0.5	0
34	C3H Mice are Resistant to Hypertensive Renovascular Remodeling Due to Decreased Mitochondrial Oxidative Stress. <i>FASEB Journal</i> , 2013, 27, 704.13.	0.5	0
35	Deregulation of miR-21 Contributes to Differential Macrophage Activation in Acute Kidney Injury in Aged Mice. <i>FASEB Journal</i> , 2015, 29, 807.9.	0.5	0
36	Exercise Mitigates Aberrant Mitophagy and Cardiovascular Remodeling in Diabetes. <i>FASEB Journal</i> , 2015, 29, 821.8.	0.5	0

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37	Hydrogen Sulfide Inhibits Ca <sup>2+</sup> -induced Mitochondrial Permeability Transition Pore Opening in Type 1 Diabetes. FASEB Journal, 2015, 29, 959.11.	0.5	0