

Suvro Chatterjee

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9294858/suvro-chatterjee-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

3,433
citations

31
h-index

55
g-index

129
ext. papers

3,829
ext. citations

4.7
avg, IF

5.24
L-index

#	Paper	IF	Citations
121	COVID-19 and dys-regulation of pulmonary endothelium: implications for vascular remodeling. <i>Cytokine and Growth Factor Reviews</i> , 2021 , 63, 69-69	17.9	1
120	Repurposing of thalidomide and its derivatives for the treatment of SARS-coV-2 infections: Hints on molecular action. <i>British Journal of Clinical Pharmacology</i> , 2021 , 87, 3835-3850	3.8	1
119	G protein B-ATM complexes drive acetaminophen-induced hepatotoxicity. <i>Redox Biology</i> , 2021 , 43, 101965	5.3	2
118	Nitric oxide mitigates thalidomide-induced abnormalities during germination and development of fennel seeds. <i>Toxicology Research</i> , 2021 , 10, 893-901	2.6	0
117	Temporal dynamics of nitric oxide wave in early vasculogenesis. <i>Vascular Medicine</i> , 2021 , 1358863X211035445	1	
116	Hepatic Regulator of G Protein Signaling 6 (RGS6) drives non-alcoholic fatty liver disease by promoting oxidative stress and ATM-dependent cell death. <i>Redox Biology</i> , 2021 , 46, 102105	11.3	2
115	Biocompatible gadolinium-coated magnesium alloy for biomedical applications. <i>Journal of Materials Science</i> , 2020 , 55, 11582-11596	4.3	14
114	Nitric oxide restores peripheral blood mononuclear cell adhesion against hypoxia via NO-cGMP signalling. <i>Cell Biochemistry and Function</i> , 2020 , 38, 319-329	4.2	2
113	Differential expression of CRAC channel in alloxan induced Diabetic BALB/c mice. <i>Immunopharmacology and Immunotoxicology</i> , 2020 , 42, 48-55	3.2	2
112	Induced Stress on Red Blood Cell Promotes Red Blood Cell-Endothelial Adhesion. <i>Cell and Tissue Biology</i> , 2020 , 14, 448-457	0.4	
111	Gymnema montanum improves endothelial function via inhibition of endoplasmic reticulum stress by activating Nrf2 signaling. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2020 , 10, 379	1.4	1
110	Regulation of Oxidative Stress by Nitric Oxide Defines Lung Development and Diseases 2020 , 445-464		
109	Attenuation of cadmium-induced vascular toxicity by pro-angiogenic nanorods. <i>Materials Science and Engineering C</i> , 2020 , 115, 111108	8.3	5
108	Ex vivo model for studying endothelial tip cells: Revisiting the classical aortic-ring assay. <i>Microvascular Research</i> , 2020 , 128, 103939	3.7	7
107	Breast cancer drugs perturb fundamental vascular functions of endothelial cells by attenuating protein S-nitrosylation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 7-15	3	2
106	Developing a partially perfused liver model using caprine liver explant conditioned to the chicken extra-embryonic perfusion system. <i>Tissue and Cell</i> , 2020 , 62, 101308	2.7	0
105	Nitric oxide donors offer protection to RBC from storage lesion. <i>Transfusion Clinique Et Biologique</i> , 2020 , 27, 229-236	1.9	1

104	Interactome of miRNAs and transcriptome of human umbilical cord endothelial cells exposed to short-term simulated microgravity. <i>Npj Microgravity</i> , 2020 , 6, 18	5.3	11
103	Ectopic release of nitric oxide modulates the onset of cardiac development in avian model. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2020 , 56, 593-603	2.6	2
102	A marine sponge associated fungal metabolite monacolin X suppresses angiogenesis by down regulating VEGFR2 signaling.. <i>RSC Advances</i> , 2019 , 9, 26646-26667	3.7	2
101	Live Imaging and Analysis of Vasoactive Properties of Drugs Using an in-ovo Chicken Embryo Model: Replacing and Reducing Animal Testing. <i>Microscopy and Microanalysis</i> , 2019 , 25, 961-970	0.5	
100	Thalidomide and Its Analogs Differentially Target Fibroblast Growth Factor Receptors: Thalidomide Suppresses FGFR Gene Expression while Pomalidomide Dampens FGFR2 Activity. <i>Chemical Research in Toxicology</i> , 2019 , 32, 589-602	4	7
99	Nitric Oxide Reverses the Position of the Heart during Embryonic Development. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
98	Increased Plasma Nitrite and von Willebrand Factor Indicates Early Diagnosis of Vascular Diseases in Chemotherapy Treated Cancer Patients. <i>Cardiovascular Toxicology</i> , 2019 , 19, 36-47	3.4	8
97	Shielding the Negative Impact of Cadmium in Avian Embryos by Supplementing with Beetroot Juice. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2019 , 38, 353-364	2.1	2
96	Nitrosative Stress and Cardiogenesis: Cardiac Remodelling Perturbs Embryonic Metabolome 2019 , 377-391		1
95	Nitric oxide regulates intussusceptive-like angiogenesis in wound repair in chicken embryo and transgenic zebrafish models. <i>Nitric Oxide - Biology and Chemistry</i> , 2019 , 82, 48-58	5	19
94	Osteoblasts Regulate Angiogenesis in Response to Mechanical Unloading. <i>Calcified Tissue International</i> , 2019 , 104, 344-354	3.9	7
93	Models to investigate intussusceptive angiogenesis: A special note on CRISPR/Cas9 based system in zebrafish. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 1229-1240	7.9	8
92	Dynamic electrochemical impedance study of fluoride conversion coating on AZ31 magnesium alloy to improve bio-adaptability for orthopedic application. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019 , 70, 698-710	1.6	16
91	Synthesis and characterization of zinc-silibinin complexes: A potential bioactive compound with angiogenic, and antibacterial activity for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 134-143	6	18
90	Nitric oxide signaling regulates tumor-induced intussusceptive-like angiogenesis. <i>Microvascular Research</i> , 2018 , 119, 47-59	3.7	26
89	Hypoxia perturbs endothelium by re-organizing cellular actin architecture: Nitric oxide offers limited protection. <i>Tissue and Cell</i> , 2018 , 50, 114-124	2.7	4
88	Establishment of pancreatic microenvironment model of ER stress: Quercetin attenuates cell apoptosis by invoking nitric oxide-cGMP signaling in endothelial cells. <i>Journal of Nutritional Biochemistry</i> , 2018 , 55, 142-156	6.3	15
87	Mixed-ligand copper(II) complex of quercetin regulate osteogenesis and angiogenesis. <i>Materials Science and Engineering C</i> , 2018 , 83, 187-194	8.3	35

86	Cytotoxicity and apoptotic cell death induced by <i>Vitis vinifera</i> peel and seed extracts in A431 skin cancer cells. <i>Cytotechnology</i> , 2018 , 70, 537-554	2.2	21
85	Thalidomide remodels developing heart in chick embryo: discovery of a thalidomide mediated hematoma in heart muscle. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018 , 391, 1093-1105	3.4	8
84	Mechanistic insights into the differential effects of thalidomide and lenalidomide in metastatic prostate cancer. <i>Future Oncology</i> , 2018 , 14, 2383-2401	3.6	4
83	Quercetin improves endothelial function in diabetic rats through inhibition of endoplasmic reticulum stress-mediated oxidative stress. <i>European Journal of Pharmacology</i> , 2018 , 819, 80-88	5.3	33
82	A proteome-wide systems toxicological approach deciphers the interaction network of chemotherapeutic drugs in the cardiovascular milieu. <i>RSC Advances</i> , 2018 , 8, 20211-20221	3.7	3
81	sFRP4 signalling of apoptosis and angiostasis uses nitric oxide-cGMP-permeability axis of endothelium. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 66, 30-42	5	10
80	Dermatopontin augments angiogenesis and modulates the expression of transforming growth factor beta 1 and integrin alpha 3 beta 1 in endothelial cells. <i>European Journal of Cell Biology</i> , 2017 , 96, 266-275	6.1	13
79	MicroRNAs: Impaired vasculogenesis in metal induced teratogenicity. <i>Reproductive Toxicology</i> , 2017 , 70, 30-48	3.4	15
78	<i>Vitis vinifera</i> peel polyphenols stabilized gold nanoparticles induce cytotoxicity and apoptotic cell death in A431 skin cancer cell lines. <i>Advanced Powder Technology</i> , 2017 , 28, 1170-1184	4.6	29
77	Impact of lysyl oxidase (G473A) polymorphism on diabetic foot ulcers. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 242-247	7.9	13
76	Transcriptomic Analysis of Thalidomide Challenged Chick Embryo Suggests Possible Link between Impaired Vasculogenesis and Defective Organogenesis. <i>Chemical Research in Toxicology</i> , 2017 , 30, 1883-1896	4	10
75	Stimulated Microgravity and Induction of Angiogenesis; A New Perspective in Wound Healing 2017 , 495-516		1
74	Interleukin-6 secreted by bipotential murine oval liver stem cells induces apoptosis of activated hepatic stellate cells by activating NF- κ B-inducible nitric oxide synthase signaling. <i>Biochemistry and Cell Biology</i> , 2017 , 95, 263-272	3.6	9
73	Biosynthesized <i>Vitis vinifera</i> seed gold nanoparticles induce apoptotic cell death in A431 skin cancer cells. <i>RSC Advances</i> , 2016 , 6, 82205-82218	3.7	32
72	Disturbed flow mediated modulation of shear forces on endothelial plane: A proposed model for studying endothelium around atherosclerotic plaques. <i>Scientific Reports</i> , 2016 , 6, 27304	4.9	26
71	Prevention of cardiac dysfunction, kidney fibrosis and lipid metabolic alterations in L-NAME hypertensive rats by sinapic acid--Role of HMG-CoA reductase. <i>European Journal of Pharmacology</i> , 2016 , 777, 113-23	5.3	28
70	Harvesting clues from genome wide transcriptome analysis for exploring thalidomide mediated anomalies in eye development of chick embryo: Nitric oxide rectifies the thalidomide mediated anomalies by swinging back the system to normal transcriptome pattern. <i>Biochimie</i> , 2016 , 121, 253-67	4.6	11
69	Oxidized antithrombin is a dual inhibitor of coagulation and angiogenesis: Importance of low heparin affinity. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 541-50	7.9	6

68	Inhibitors of Nitric Oxide Synthase: What's up and What's Next?. <i>Current Enzyme Inhibition</i> , 2016 , 12, 81-107	0.5	2
67	5-Benzylidene-2,4-thiazolidenedione derivatives: Design, synthesis and evaluation as inhibitors of angiogenesis targeting VEGFR-2. <i>Bioorganic Chemistry</i> , 2016 , 67, 139-47	5.1	34
66	Mechanical perturbations trigger endothelial nitric oxide synthase activity in human red blood cells. <i>Scientific Reports</i> , 2016 , 6, 26935	4.9	13
65	The expression dynamics of mechanosensitive genes in extra-embryonic vasculature after heart starts to beat in chick embryo. <i>Biorheology</i> , 2016 , 53, 33-47	1.7	2
64	Interleukin-1 β /lipocalin 2 and nitric oxide synthase 2 are mechano-responsive mediators of mouse and human endothelial cell-osteoblast crosstalk. <i>Scientific Reports</i> , 2016 , 6, 29880	4.9	30
63	Downregulation of dTps1 in <i>Drosophila melanogaster</i> larvae confirms involvement of trehalose in redox regulation following desiccation. <i>Cell Stress and Chaperones</i> , 2016 , 21, 285-94	4	12
62	Investigation of molecular mechanisms and regulatory pathways of pro-angiogenic nanorods. <i>Nanoscale</i> , 2015 , 7, 9760-70	7.7	41
61	Strategies of Manipulating BMP Signaling in Microgravity to Prevent Bone Loss. <i>Vitamins and Hormones</i> , 2015 , 99, 249-72	2.5	7
60	Tipping off endothelial tubes: nitric oxide drives tip cells. <i>Angiogenesis</i> , 2015 , 18, 175-89	10.6	29
59	Cadmium-induced embryopathy: nitric oxide rescues teratogenic effects of cadmium. <i>Toxicological Sciences</i> , 2015 , 144, 90-104	4.4	24
58	Graphene Oxides Show Angiogenic Properties. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1722-32	10.1	116
57	Sinapic acid protects heart against ischemia/reperfusion injury and H9c2 cardiomyoblast cells against oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 853-9	3.4	36
56	Allele, Genotype and Haplotype Structures of Functional Polymorphic Variants in Endothelial Nitric Oxide Synthase (eNOS), Angiotensinogen (ACE) and Aldosterone Synthase (CYP11B2) Genes in Healthy Pregnant Women of Indian Ethnicity. <i>Journal of Reproduction and Infertility</i> , 2015 , 16, 180-92	1.5	4
55	Rho-kinase as a therapeutic target in vascular diseases: striking nitric oxide signaling. <i>Nitric Oxide - Biology and Chemistry</i> , 2014 , 43, 45-54	5	21
54	Role of angiogenesis in bone repair. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 561, 109-17	4.1	211
53	MiR-29b downregulates canonical Wnt signaling by suppressing coactivators of β -catenin in human colorectal cancer cells. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 1974-84	4.7	38
52	A comparative study of NONOate based NO donors: spermine NONOate is the best suited NO donor for angiogenesis. <i>Nitric Oxide - Biology and Chemistry</i> , 2014 , 36, 76-86	5	19
51	Characterization of a pro-angiogenic, novel peptide from Russell's viper (<i>Daboia russelii russelii</i>) venom. <i>Toxicon</i> , 2014 , 77, 26-31	2.8	15

50	Sinaptic acid prevents hypertension and cardiovascular remodeling in pharmacological model of nitric oxide inhibited rats. <i>PLoS ONE</i> , 2014 , 9, e115682	3.7	60
49	Use of Stem Cells to Block the Activation of Hepatic Stellate Cells in Diseased Liver 2014 , 221-232		1
48	Everolimus is a potent inhibitor of activated hepatic stellate cell functions in vitro and in vivo, while demonstrating anti-angiogenic activities. <i>Clinical Science</i> , 2014 , 126, 775-84	6.5	19
47	Inhibition of Angiogenesis and Nitric Oxide Synthase (NOS), by Embelin & Vilangin Using in vitro, in vivo & in Silico Studies. <i>Advanced Pharmaceutical Bulletin</i> , 2014 , 4, 543-8	4.5	6
46	Immunomagnetic nanoparticle based quantitative PCR for rapid detection of Salmonella. <i>Mikrochimica Acta</i> , 2013 , 180, 1241-1248	5.8	23
45	Inhibition of Notch signaling induces extensive intussusceptive neo-angiogenesis by recruitment of mononuclear cells. <i>Angiogenesis</i> , 2013 , 16, 921-37	10.6	47
44	L-theanine promotes nitric oxide production in endothelial cells through eNOS phosphorylation. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 595-605	6.3	38
43	Breast cancer drugs dampen vascular functions by interfering with nitric oxide signaling in endothelium. <i>Toxicology and Applied Pharmacology</i> , 2013 , 269, 121-31	4.6	22
42	Study of the cellular mechanism of Sunitinib mediated inactivation of activated hepatic stellate cells and its implications in angiogenesis. <i>European Journal of Pharmacology</i> , 2013 , 705, 86-95	5.3	29
41	Synthesis and anti-angiogenic activity of benzothiazole, benzimidazole containing phthalimide derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 287-90	2.9	20
40	Nitric oxide protects endothelium from cadmium mediated leakiness. <i>Cell Biology International</i> , 2013 , 37, 495-506	4.5	15
39	Zinc oxide nanoflowers make new blood vessels. <i>Nanoscale</i> , 2012 , 4, 7861-9	7.7	119
38	Nitrites derived from Foeniculum vulgare (fennel) seeds promotes vascular functions. <i>Journal of Food Science</i> , 2012 , 77, H273-9	3.4	5
37	Nitric oxide rescues thalidomide mediated teratogenicity. <i>Scientific Reports</i> , 2012 , 2, 679	4.9	41
36	TNF signaling beholds thalidomide saga: a review of mechanistic role of TNF signaling under thalidomide. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 1456-67	3	30
35	Developing an Ex Vivo Model of Ischemia Using Early Chick-Embryo: A Model to Study Ischemia Related Angiogenesis 2012 , 241-251		
34	Normalization of deranged signal transduction in lymphocytes of COPD patients by the novel calcium channel blocker H-DHPM. <i>Biochimie</i> , 2011 , 93, 1146-56	4.6	6
33	Elevated glutathione level does not protect against chronic alcohol mediated apoptosis in recombinant human hepatoma cell line VL-17A over-expressing alcohol metabolizing enzymes--alcohol dehydrogenase and Cytochrome P450 2E1. <i>Toxicology in Vitro</i> , 2011 , 25, 969-78	3.6	10

32	NO (nitric oxide): the ring master. <i>European Journal of Cell Biology</i> , 2011 , 90, 58-71	6.1	9
31	Inhibitory activity of the peptides derived from buffalo prolactin on angiogenesis. <i>Journal of Biosciences</i> , 2011 , 36, 341-54	2.3	9
30	Simulated microgravity promoted differentiation of bipotential murine oval liver stem cells by modulating BMP4/Notch1 signaling. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 1898-908	4.7	22
29	Probing the effect of elevated cholesterol on the mechanical properties of membrane-cytoskeleton by optical tweezers 2010 ,		2
28	Inhibition of dynamin-2 confers endothelial barrier dysfunctions by attenuating nitric oxide production. <i>Cell Biology International</i> , 2010 , 34, 755-61	4.5	5
27	eNOS phosphorylation in health and disease. <i>Biochimie</i> , 2010 , 92, 1186-98	4.6	114
26	Evaluation of the role of nitric oxide in acid sensing ion channel mediated cell death. <i>Nitric Oxide - Biology and Chemistry</i> , 2010 , 22, 213-9	5	18
25	Shear stress promotes nitric oxide production in endothelial cells by sub-cellular delocalization of eNOS: A basis for shear stress mediated angiogenesis. <i>Nitric Oxide - Biology and Chemistry</i> , 2010 , 22, 304-15	5.15	49
24	Apoptosis in HepG2 cells exposed to high glucose. <i>Toxicology in Vitro</i> , 2010 , 24, 387-96	3.6	73
23	Secreted frizzled-related protein 4: an angiogenesis inhibitor. <i>American Journal of Pathology</i> , 2010 , 176, 1505-16	5.8	69
22	Simulated microgravity perturbs actin polymerization to promote nitric oxide-associated migration in human immortalized Eahy926 cells. <i>Protoplasma</i> , 2010 , 242, 3-12	3.4	36
21	Simulated microgravity promotes nitric oxide-supported angiogenesis via the iNOS-cGMP-PKG pathway in macrovascular endothelial cells. <i>FEBS Letters</i> , 2010 , 584, 3415-23	3.8	31
20	Chick embryo partial ischemia model: a new approach to study ischemia ex vivo. <i>PLoS ONE</i> , 2010 , 5, e10524	3.7	11
19	Molecular features, markers, drug targets, and prospective targeted therapeutics in cardiac myxoma. <i>Current Cancer Drug Targets</i> , 2009 , 9, 705-16	2.8	18
18	Thalidomide attenuates nitric oxide-driven angiogenesis by interacting with soluble guanylyl cyclase. <i>British Journal of Pharmacology</i> , 2009 , 158, 1720-34	8.6	46
17	Cadmium attenuates bradykinin-driven nitric oxide production by interplaying with the localization pattern of endothelial nitric oxide synthase. <i>Biochemistry and Cell Biology</i> , 2009 , 87, 605-20	3.6	16
16	The role of calreticulin transacetylase in the activation of human platelet nitrite reductase by polyphenolic acetates. <i>Biological and Pharmaceutical Bulletin</i> , 2009 , 32, 161-5	2.3	5
15	Nitric oxide/cGMP protects endothelial cells from hypoxia-mediated leakiness. <i>European Journal of Cell Biology</i> , 2008 , 87, 147-61	6.1	29

14	Cadmium reduces nitric oxide production by impairing phosphorylation of endothelial nitric oxide synthase. <i>Biochemistry and Cell Biology</i> , 2008 , 86, 1-10	3.6	46
13	Activated pericyte attenuates endothelial functions: nitric oxide-cGMP rescues activated pericyte-associated endothelial dysfunctions. <i>Biochemistry and Cell Biology</i> , 2007 , 85, 709-20	3.6	8
12	Nitric oxide promotes endothelial cell survival signaling through S-nitrosylation and activation of dynamin-2. <i>Journal of Cell Science</i> , 2007 , 120, 492-501	5.3	106
11	Nitric oxide synthase generates nitric oxide locally to regulate compartmentalized protein S-nitrosylation and protein trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19777-82	11.5	206
10	Thalidomide attenuates nitric oxide mediated angiogenesis by blocking migration of endothelial cells. <i>BMC Cell Biology</i> , 2006 , 7, 17		83
9	Cadmium induced endothelial dysfunction: consequence of defective migratory pattern of endothelial cells in association with poor nitric oxide availability under cadmium challenge. <i>Cell Biology International</i> , 2006 , 30, 427-38	4.5	52
8	Mechanisms of nitric oxide interplay with Rho GTPase family members in modulation of actin membrane dynamics in pericytes and fibroblasts. <i>American Journal of Pathology</i> , 2005 , 166, 1861-70	5.8	70
7	Diverse origin and function of cells with endothelial phenotype obtained from adult human blood. <i>Circulation Research</i> , 2003 , 93, 1023-5	15.7	388
6	Inhibition of GTP-dependent vesicle trafficking impairs internalization of plasmalemmal eNOS and cellular nitric oxide production. <i>Journal of Cell Science</i> , 2003 , 116, 3645-55	5.3	38
5	Sperm disposal system in spermatic granuloma: a link with superoxide radicals. <i>Journal of Developmental and Physical Disabilities</i> , 2001 , 24, 278-83		9
4	Cryopreservation alters membrane sulfhydryl status of bull spermatozoa: protection by oxidized glutathione. <i>Molecular Reproduction and Development</i> , 2001 , 60, 498-506	2.6	121
3	Regional variations in thiol distribution pattern and superoxide dismutase activity of the male reproductive tract of the rat modulate the transport of spermatozoa through the epididymis and vas deferens. <i>Urologia Internationalis</i> , 2001 , 66, 100-4	1.9	1
2	Nitric oxide interacts with the cAMP pathway to modulate capacitation of human spermatozoa. <i>Free Radical Biology and Medicine</i> , 2000 , 29, 522-36	7.8	85
1	Vasectomy-induced superoxide dismutase inactivation in the male reproductive tract of rat: a prerequisite for spermatic granuloma formation. <i>Urologia Internationalis</i> , 1997 , 59, 23-5	1.9	2