

# Swati Basu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2019257/publications.pdf>

Version: 2024-02-01

26  
papers

1,051  
citations

687363

13  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic generation of N <sub>2</sub> O <sub>3</sub> by the concerted nitrite reductase and anhydrase activity of hemoglobin. <i>Nature Chemical Biology</i> , 2007, 3, 785-794.	8.0	206
2	Nitrite Reductase Activity of Cytochrome c. <i>Journal of Biological Chemistry</i> , 2008, 283, 32590-32597.	3.4	176
3	One Week of Daily Dosing With Beetroot Juice Improves Submaximal Endurance and Blood Pressure in Older Patients With Heart Failure and Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2016, 4, 428-437.	4.1	143
4	Dietary nitrate supplementation improves exercise performance and decreases blood pressure in COPD patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 22-30.	2.7	99
5	A novel role for cytochrome c: Efficient catalysis of S-nitrosothiol formation. <i>Free Radical Biology and Medicine</i> , 2010, 48, 255-263.	2.9	56
6	Effects of supervised exercise and dietary nitrate in older adults with controlled hypertension and/or heart failure with preserved ejection fraction. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 69, 78-90.	2.7	51
7	Nitrite Reductase Activity of Hemoglobin S (Sickle) Provides Insight into Contributions of Heme Redox Potential Versus Ligand Affinity. <i>Journal of Biological Chemistry</i> , 2008, 283, 3628-3638.	3.4	47
8	Chemiluminescent Detection of S-Nitrosated Proteins: Comparison of Triiodide, Copper/CO/Cysteine, and Modified Copper/Cysteine Methods. <i>Methods in Enzymology</i> , 2008, 440, 137-156.	1.0	42
9	Low NO Concentration Dependence of Reductive Nitrosylation Reaction of Hemoglobin. <i>Journal of Biological Chemistry</i> , 2012, 287, 18262-18274.	3.4	38
10	Sickle Cell Trait Increases Red Blood Cell Storage Hemolysis and Post-Transfusion Clearance in Mice. <i>EBioMedicine</i> , 2016, 11, 239-248.	6.1	34
11	Potential therapeutic action of nitrite in sickle cell disease. <i>Redox Biology</i> , 2017, 12, 1026-1039.	9.0	30
12	The role of red blood cell S-nitrosation in nitrite bioactivation and its modulation by leucine and glucose. <i>Redox Biology</i> , 2016, 8, 415-421.	9.0	23
13	The relationship between plasma and salivary NO <sub>x</sub> . <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 47, 85-90.	2.7	17
14	Erythrocytic bioactivation of nitrite and its potentiation by far-red light. <i>Redox Biology</i> , 2019, 20, 442-450.	9.0	13
15	Haptoglobin therapy has differential effects depending on severity of canine septic shock and cell-free hemoglobin level. <i>Transfusion</i> , 2019, 59, 3628-3638.	1.6	11
16	Interaction between the Haptoglobin 2 Phenotype and Diabetes Mellitus on Systolic Pulmonary Arterial Pressure and Nitric Oxide Bioavailability in Hemodialysis Patients. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-7.	2.3	10
17	Mechanistic insights into cell-free hemoglobin-induced injury during septic shock. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H2385-H2400.	3.2	9
18	A single dose of dietary nitrate supplementation protects against endothelial ischemia-reperfusion injury in early postmenopausal women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 749-761.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Impact of different standard red blood cell storage temperatures on human and canine RBC hemolysis and chromium survival. <i>Transfusion</i> , 2019, 59, 347-358.	1.6	8
20	<i>Mycobacterium tuberculosis</i> DosS binds H <sub>2</sub> S through its Fe <sup>3+</sup> heme iron to regulate the DosR dormancy regulon. <i>Redox Biology</i> , 2022, 52, 102316.	9.0	8
21	Hemoglobin effects in the Saville assay. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 15, 1-4.	2.7	7
22	Tri-iodide and vanadium chloride based chemiluminescent methods for quantification of nitrogen oxides. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 121, 11-19.	2.7	7
23	A randomized controlled trial of nitrate supplementation in well-trained middle and older-aged adults. <i>PLoS ONE</i> , 2020, 15, e0235047.	2.5	4
24	HUMAN NEUROGLOBIN FUNCTIONS AS A REDOX REGULATED NITRITE REDUCTASE. <i>FASEB Journal</i> , 2011, 25, .	0.5	2
25	Rainbow of hemolysis associated with acquired thrombotic thrombocytopenic purpura. <i>Journal of Clinical Apheresis</i> , 2017, 32, 274-275.	1.3	1
26	Development of Zinc Chelating Resin Polymer Beads for the Removal of Cell-Free Hemoglobin. <i>Annals of Biomedical Engineering</i> , 2019, 47, 1470-1478.	2.5	0