

# Aranya Bagchi

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,532  
citations

394286

19  
h-index

454834

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2711  
citing authors

#	ARTICLE	IF	CITATIONS
1	Veno-venous extracorporeal blood phototherapy increases the rate of carbon monoxide (CO) elimination in CO-poisoned pigs. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 256-267.	1.1	8
2	Proteomics of lung tissue reveals differences in inflammation and alveolar-capillary barrier response between atelectasis and aerated regions. <i>Scientific Reports</i> , 2022, 12, 7065.	1.6	3
3	High Pleural Pressure Prevents Alveolar Overdistension and Hemodynamic Collapse in Acute Respiratory Distress Syndrome with Class III Obesity. A Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 575-584.	2.5	35
4	d-dimer and Death in Critically Ill Patients With Coronavirus Disease 2019. <i>Critical Care Medicine</i> , 2021, 49, e500-e511.	0.4	35
5	Hypoxia ameliorates brain hyperoxia and NAD <sup>+</sup> deficiency in a murine model of Leigh syndrome. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 83-93.	0.5	16
6	Individualized Multimodal Physiologic Approach to Mechanical Ventilation in Patients With Obesity and Severe Acute Respiratory Distress Syndrome Reduced Venovenous Extracorporeal Membrane Oxygenation Utilization. , 2021, 3, e0461.		5
7	Pleural Pressure Targeted Positive Airway Pressure Improves Cardiopulmonary Function in Spontaneously Breathing Patients With Obesity. <i>Chest</i> , 2021, 159, 2373-2383.	0.4	10
8	Intraoperative Oxygen Concentration and Neurocognition after Cardiac Surgery. <i>Anesthesiology</i> , 2021, 134, 189-201.	1.3	31
9	Temporary Transvenous Diaphragmatic Neurostimulation in Prolonged Mechanically Ventilated Patients: A Feasibility Trial (RESCUE 1). , 2020, 2, e0106.		9
10	A lung rescue team improves survival in obesity with acute respiratory distress syndrome. <i>Critical Care</i> , 2020, 24, 4.	2.5	54
11	HDAC9 is implicated in atherosclerotic aortic calcification and affects vascular smooth muscle cell phenotype. <i>Nature Genetics</i> , 2019, 51, 1580-1587.	9.4	92
12	Hepcidin Deficiency Protects Against Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 178-187.	1.1	43
13	Improvement in Outcomes After Cardiac Arrest and Resuscitation by Inhibition of S-Nitrosoglutathione Reductase. <i>Circulation</i> , 2019, 139, 815-827.	1.6	36
14	Mechanical ventilation mode and postoperative pulmonary complications – a reply. <i>Anaesthesia</i> , 2018, 73, 253-254.	1.8	1
15	Follow the Voxel – A New Method for the Analysis of Regional Strain in Lung Injury*. <i>Critical Care Medicine</i> , 2018, 46, 1033-1035.	0.4	4
16	MicroRNA-425 and microRNA-155 cooperatively regulate atrial natriuretic peptide expression and cGMP production. <i>PLoS ONE</i> , 2018, 13, e0196697.	1.1	14
17	Intrinsic anti-inflammatory properties in the serum of two species of deep-diving seal. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	25
18	Intrinsic anti-inflammatory properties of serum in deep-diving seals. <i>FASEB Journal</i> , 2018, 32, 859.9.	0.2	0

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19	Correlation of carotid blood flow and corrected carotid flow time with invasive cardiac output measurements. <i>The Ultrasound Journal</i> , 2017, 9, 10.	2.0	38
20	Iron Loading Exaggerates the Inflammatory Response to the Toll-like Receptor 4 Ligand Lipopolysaccharide by Altering Mitochondrial Homeostasis. <i>Anesthesiology</i> , 2017, 127, 121-135.	1.3	26
21	The association of postoperative pulmonary complications in 109,360 patients with pressure-controlled or volume-controlled ventilation. <i>Anaesthesia</i> , 2017, 72, 1334-1343.	1.8	43
22	Thiamine as a neuroprotective agent after cardiac arrest. <i>Resuscitation</i> , 2016, 105, 138-144.	1.3	49
23	Correlation of Carotid Blood Flow and Carotid Flow Time With Invasive Cardiac Output Measurements. <i>Chest</i> , 2016, 150, 297A.	0.4	0
24	Calcification of Vascular Smooth Muscle Cells and Imaging of Aortic Calcification and Inflammation. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	19
25	Preoperative Evaluation. , 2016, , 458-468.e3.		0
26	Acute Bacterial Pneumonia. , 2013, , 131-141.		0
27	Mashed Potatoes and Maize. <i>Anesthesiology</i> , 2013, 118, 244-247.	1.3	8
28	Pulmonary Hypertension in Lambs Transfused with Stored Blood Is Prevented by Breathing Nitric Oxide. <i>Anesthesiology</i> , 2012, 116, 637-647.	1.3	58
29	Bacterial Lipoprotein TLR2 Agonists Broadly Modulate Endothelial Function and Coagulation Pathways In Vitro and In Vivo. <i>Journal of Immunology</i> , 2011, 186, 1119-1130.	0.4	78
30	Pulmonary Hypertension During Autologous Transfusion of Stored Blood Is Prevented by Nitric Oxide Inhalation in Lambs. <i>Blood</i> , 2011, 118, 39-39.	0.6	0
31	Activation of Toll-like receptor 2 impairs hypoxic pulmonary vasoconstriction in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L300-L308.	1.3	17
32	Upregulation of PD-L1 on monocytes and dendritic cells by HIV-1 derived TLR ligands. <i>Aids</i> , 2008, 22, 655-658.	1.0	89
33	MyD88-Dependent and MyD88-Independent Pathways in Synergy, Priming, and Tolerance between TLR Agonists. <i>Journal of Immunology</i> , 2007, 178, 1164-1171.	0.4	287
34	MyD88-Dependent Immune Activation Mediated by Human Immunodeficiency Virus Type 1-Encoded Toll-Like Receptor Ligands. <i>Journal of Virology</i> , 2007, 81, 8180-8191.	1.5	227
35	Toll-like receptor 2 activation by bacterial peptidoglycan-associated lipoprotein activates cardiomyocyte inflammation and contractile dysfunction. <i>Critical Care Medicine</i> , 2007, 35, 886-892.	0.4	63
36	Passive Immunization to Outer Membrane Proteins MLP and PAL Does Not Protect Mice from Sepsis. <i>Molecular Medicine</i> , 2006, 12, 252-258.	1.9	10

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37	BACTERIAL PEPTIDOGLYCAN-ASSOCIATED LIPOPROTEIN (PAL) INDUCES DYSFUNCTION IN CARDIOMYOCYTES THROUGH MYOCARDIAL TLR2 /MYD88.. Critical Care Medicine, 2006, 34, A25.	0.4	0
38	Bacterial Peptidoglycan-Associated Lipoprotein: A Naturally Occurring Toll-Like Receptor 2 Agonist That Is Shed into Serum and Has Synergy with Lipopolysaccharide. Journal of Infectious Diseases, 2005, 191, 939-948.	1.9	99
39	MYD88 IS INDISPENSABLE FOR PEPTIDOGLYCAN-ASSOCIATED LIPOPRPTEIN (PAL) -INDUCED DYSFUNCTION AND DEATH IN MOUSE CARDIOMYOCYTES.. Critical Care Medicine, 2005, 33, A15.	0.4	0
40	BACTERIAL PAL AND LPS SYNERGISTICALLY ACTIVATE CELLULAR AND SYSTEMIC INFLAMMATION. Shock, 2004, 21, 20.	1.0	0