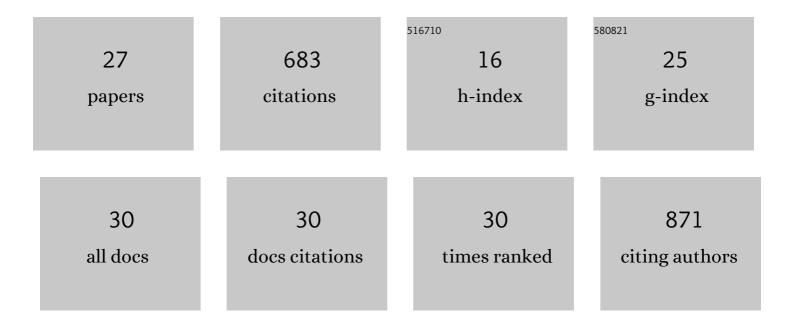
Sashko Spassov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Discriminating Scrapie and Bovine Spongiform Encephalopathy Isolates by Infrared Spectroscopy of Pathological Prion Protein. Journal of Biological Chemistry, 2004, 279, 33847-33854.	3.4	72
2	Structural differences between TSEs strains investigated by FT-IR spectroscopy. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1138-1149.	2.4	70
3	Hydrogen sulfide limits neutrophil transmigration, inflammation, and oxidative burst in lipopolysaccharide-induced acute lung injury. Scientific Reports, 2018, 8, 14676.	3.3	50
4	Hydrogen Sulfide Exerts Anti-oxidative and Anti-inflammatory Effects in Acute Lung Injury. Inflammation, 2018, 41, 249-259.	3.8	45
5	Improved lung recruitment and oxygenation during mandatory ventilation with a new expiratory ventilation assistance device. European Journal of Anaesthesiology, 2018, 35, 736-744.	1.7	45
6	Inhaled hydrogen sulfide protects against lipopolysaccharide-induced acute lung injury in mice. Medical Gas Research, 2012, 2, 26.	2.3	43
7	Dominant-negative Effects of COL7A1 Mutations Can be Rescued by Controlled Overexpression of Normal Collagen VII. Journal of Biological Chemistry, 2009, 284, 30248-30256.	3.4	40
8	Hydrogen Sulfide Prevents Formation of Reactive Oxygen Species through PI3K/Akt Signaling and Limits Ventilator-Induced Lung Injury. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.	4.0	39
9	Flow-Controlled Ventilation Attenuates Lung Injury in a Porcine Model of Acute Respiratory Distress Syndrome. Critical Care Medicine, 2020, 48, e241-e248.	0.9	38
10	Inhaled Anesthetics Exert Different Protective Properties in a Mouse Model of Ventilator-Induced Lung Injury. Anesthesia and Analgesia, 2016, 123, 143-151.	2.2	35
11	Sevoflurane posttreatment prevents oxidative and inflammatory injury in ventilator-induced lung injury. PLoS ONE, 2018, 13, e0192896.	2.5	35
12	Biosensorâ€Enabled Multiplexed On‣ite Therapeutic Drug Monitoring of Antibiotics. Advanced Materials, 2022, 34, e2104555.	21.0	29
13	Hydrogen Sulfide Prevents Hyperoxia-induced Lung Injury by Downregulating Reactive Oxygen Species Formation and Angiopoietin-2 Release. Current Pharmaceutical Design, 2013, 19, 2715-2721.	1.9	24
14	Genetic Targets of Hydrogen Sulfide in Ventilator-Induced Lung Injury – A Microarray Study. PLoS ONE, 2014, 9, e102401.	2.5	23
15	Kinetic effects of carbon monoxide inhalation on tissue protection in ventilator-induced lung injury. Laboratory Investigation, 2012, 92, 999-1012.	3.7	20
16	Scrapie-infected cells, isolated prions, and recombinant prion protein: A comparative study. Biopolymers, 2004, 74, 163-167.	2.4	19
17	Argon reduces microglial activation and inflammatory cytokine expression in retinal ischemia/reperfusion injury. Neural Regeneration Research, 2021, 16, 192.	3.0	17
18	Thiopental Inhibits Global Protein Synthesis by Repression of Eukaryotic Elongation Factor 2 and Protects from Hypoxic Neuronal Cell Death. PLoS ONE, 2013, 8, e77258.	2.5	16

#	Article	IF	CITATIONS
19	Hydrogen Sulfide Confers Lung Protection During Mechanical Ventilation via Cyclooxygenase 2, 15-deoxy Δ12,14-Prostaglandin J2, and Peroxisome Proliferator-Activated Receptor Gamma. Critical Care Medicine, 2017, 45, e849-e857.	0.9	8
20	Ventilation-Like Mechanical Strain Modulates the Inflammatory Response of BEAS2B Epithelial Cells. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-7.	4.0	5
21	Lung area estimation using functional tidal electrical impedance variation images and active contouring. Physiological Measurement, 2022, 43, 075010.	2.1	3
22	Prion structure investigated in situ , ex vivo , and in vitro by FTIR spectroscopy. , 2004, , .		1
23	A novel mechanical ventilator providing flow-controlled expiration for small animals. Laboratory Animals, 2020, 54, 568-575.	1.0	1
24	Biosensorâ€Enabled Multiplexed On‣ite Therapeutic Drug Monitoring of Antibiotics (Adv. Mater.) Tj ETQq0 0 () rgBT/Ove	erlock 10 Tf

25	Profiling Distinctive Inflammatory and Redox Responses to Hydrogen Sulfide in Stretched and Stimulated Lung Cells. Antioxidants, 2022, 11, 1001.	5.1	1
26	Sine ventilation in lung injury models: a new perspective for lung protective ventilation. Scientific Reports, 2020, 10, 11690.	3.3	0
27	Mechanical ventilation restores blood gas homeostasis and diaphragm muscle strength in ketamine/medetomidineâ€anaesthetized rats. Experimental Physiology, 2021, 106, 396-400.	2.0	0