

Sashko Spassov

List of Publications by Year in descending order

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27
papers

683
citations

516710

16
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580821

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g-index

30
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docs citations

30
times ranked

871
citing authors

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

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19	Hydrogen Sulfide Confers Lung Protection During Mechanical Ventilation via Cyclooxygenase 2, 15-deoxy $\Delta^12,14$ -Prostaglandin J2, and Peroxisome Proliferator-Activated Receptor Gamma. <i>Critical Care Medicine</i> , 2017, 45, e849-e857.	0.9	8
20	Ventilation-Like Mechanical Strain Modulates the Inflammatory Response of BEAS2B Epithelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-7.	4.0	5
21	Lung area estimation using functional tidal electrical impedance variation images and active contouring. <i>Physiological Measurement</i> , 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. <i>Laboratory Animals</i> , 2020, 54, 568-575.	1.0	1
24	Biosensor-Enabled Multiplexed On-Site Therapeutic Drug Monitoring of Antibiotics (Adv. Mater.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	21.0	1
25	Profiling Distinctive Inflammatory and Redox Responses to Hydrogen Sulfide in Stretched and Stimulated Lung Cells. <i>Antioxidants</i> , 2022, 11, 1001.	5.1	1
26	Sine ventilation in lung injury models: a new perspective for lung protective ventilation. <i>Scientific Reports</i> , 2020, 10, 11690.	3.3	0
27	Mechanical ventilation restores blood gas homeostasis and diaphragm muscle strength in ketamine/medetomidine-anaesthetized rats. <i>Experimental Physiology</i> , 2021, 106, 396-400.	2.0	0