Venkata Siva Sai Sujith Sajja

List of Publications by Year
in descending order

Version: 2024-02-01

39 papers	897 citations	516710 16 h-index	477307 29 g-index
39 all docs	39 docs citations	39 times ranked	979 citing authors

#	Article	IF	Citations
1	Blast induces oxidative stress, inflammation, neuronal loss and subsequent short-term memory impairment in rats. Neuroscience, 2013, 253, 9-20.	2.3	115
2	Role of Glia in Memory Deficits Following Traumatic Brain Injury: Biomarkers of Glia Dysfunction. Frontiers in Integrative Neuroscience, 2016, 10, 7.	2.1	84
3	Mild Neurotrauma Indicates a Range-Specific Pressure Response to Low Level Shock Wave Exposure. Annals of Biomedical Engineering, 2012, 40, 227-236.	2.5	73
4	Blastâ€induced neurotrauma leads to neurochemical changes and neuronal degeneration in the rat hippocampus. NMR in Biomedicine, 2012, 25, 1331-1339.	2.8	60
5	Cerium Oxide Nanoparticles Improve Outcome afterIn VitroandIn VivoMild Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 1452-1462.	3.4	59
6	Repeated Low-Level Blast Overpressure Leads to Endovascular Disruption and Alterations in TDP-43 and Piezo2 in a Rat Model of Blast TBI. Frontiers in Neurology, 2019, 10, 766.	2.4	51
7	Enduring deficits in memory and neuronal pathology after blast-induced traumatic brain injury. Scientific Reports, 2015, 5, 15075.	3.3	48
8	Hippocampal vulnerability and subacute response following varied blast magnitudes. Neuroscience Letters, 2014, 570, 33-37.	2.1	44
9	Long-Term Effects of Blast Exposure: A Functional Study in Rats Using an Advanced Blast Simulator. Journal of Neurotrauma, 2020, 37, 647-655.	3.4	36
10	Effects of blastâ€induced neurotrauma on the nucleus accumbens. Journal of Neuroscience Research, 2013, 91, 593-601.	2.9	35
11	Blast neurotrauma impairs working memory and disrupts prefrontal myo-inositol levels in rats. Molecular and Cellular Neurosciences, 2014, 59, 119-126.	2.2	33
12	Subacute Oxidative Stress and Glial Reactivity in the Amygdala are Associated with Increased Anxiety Following Blast Neurotrauma. Shock, 2015, 44, 71-78.	2.1	30
13	Sphingolipids and microRNA Changes in Blood following Blast Traumatic Brain Injury: An Exploratory Study. Journal of Neurotrauma, 2018, 35, 353-361.	3.4	25
14	The Role of TDP-43 in Military-Relevant TBI and Chronic Neurodegeneration. Frontiers in Neurology, 2019, 10, 680.	2.4	22
15	The Role of Very Low Level Blast Overpressure in Symptomatology. Frontiers in Neurology, 2019, 10, 891.	2.4	22
16	Blast Exposure Leads to Accelerated Cellular Senescence in the Rat Brain. Frontiers in Neurology, 2020, 11, 438.	2.4	17
17	Repeated Low-Level Blast Acutely Alters Brain Cytokines, Neurovascular Proteins, Mechanotransduction, and Neurodegenerative Markers in a Rat Model. Frontiers in Cellular Neuroscience, 2021, 15, 636707.	3.7	17
18	A temporal evaluation of cytokines in rats after blast exposure. Biomedical Sciences Instrumentation, 2012, 48, 374-9.	0.2	17

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19	Acceleration from short-duration blast. Shock Waves, 2018, 28, 101-114.	1.9	12
20	Blast-induced hearing impairment in rats is associated with structural and molecular changes of the inner ear. Scientific Reports, 2020, 10, 10652.	3.3	11
21	Chronic Hormonal Imbalance and Adipose Redistribution Is Associated with Hypothalamic Neuropathology following Blast Exposure. Journal of Neurotrauma, 2016, 33, 82-88.	3.4	10
22	Examining lethality risk for rodent studies of primary blast lung injury. Biomedical Sciences Instrumentation, 2014, 50, 92-9.	0.2	10
23	Pulmonary injury risk curves and behavioral changes from blast overpressure exposures of varying frequency and intensity in rats. Scientific Reports, 2020, 10, 16644.	3.3	8
24	Evaluation of Impact-Induced Traumatic Brain Injury in the GÃ¶ttingen Minipig Using Two Input Modes. Traffic Injury Prevention, 2014, 15, S81-S87.	1.4	7
25	Investigation of the direct and indirect mechanisms of primary blast insult to the brain. Scientific Reports, 2021, 11, 16040.	3.3	7
26	Animal Orientation Affects Brain Biomechanical Responses to Blast-Wave Exposure. Journal of Biomechanical Engineering, 2021, 143, .	1.3	6
27	Assessment of auditory and vestibular damage in a mouse model after single and triple blast exposures. Hearing Research, 2021, 407, 108292.	2.0	6
28	IL-5; a diffuse biomarker associated with brain inflammation after blast exposure. Biomedical Sciences Instrumentation, 2014, 50, 375-82.	0.2	6
29	Blast Induced Neurotrauma Leads To Changes In The Epigenome. Biomedical Sciences Instrumentation, 2015, 51, 423-30.	0.2	6
30	Rodent Model of Primary Blast-Induced Traumatic Brain Injury: Guidelines to Blast Methodology. Neuromethods, 2018, , 123-138.	0.3	5
31	A new model for mild blast injury utilizing Drosophila melanogaster - biomed 2013. Biomedical Sciences Instrumentation, 2013, 49, 134-40.	0.2	5
32	Evaluation of Blast Overpressure Exposure Effects on Concentration of Antibiotics in Mice. Military Medicine, 2020, 185, 256-262.	0.8	4
33	A Methodology to Compare Biomechanical Simulations With Clinical Brain Imaging Analysis Utilizing Two Blunt Impact Cases. Frontiers in Bioengineering and Biotechnology, 2021, 9, 654677.	4.1	4
34	Semi-Mechanistic Modeling of the Effects of Blast Overpressure Exposure on Cefazolin Pharmacokinetics in Mice. Journal of Pharmacology and Experimental Therapeutics, 2021, 379, JPET-AR-2021-000797.	2.5	2
35	Increased Levels of Myo-Inositol are Associated With Impaired Working Memory and Active Avoidance in Blast Neurotrauma Animals. , 2012, , .		0
36	Editorial: Neurosensory Alterations From Blast Exposure and Blunt Impact. Frontiers in Neurology, 2021, 12, 674626.	2.4	0

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37	Possible Mechanism of Blast-Induced Neuronal Damage in Hippocampus May Explain Cognitive Deficits. , 2010, , .		0
38	Potential role of proâ€oxidative and proâ€inflammatory mechanisms in blastâ€induced neurotrauma. FASEB Journal, 2013, 27, lb450.	0.5	0
39	Relationship between clinician documented blast exposure and pulmonary function: a retrospective chart review from a national specialty clinic. Respiratory Research, 2022, 23, .	3.6	0