

Mohammad Reza Raoufy

List of Publications by Year in descending order

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58
papers

679
citations

687363

13
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677142

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59
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59
times ranked

747
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective effect of N-acetylcysteine on antituberculosis drug-induced hepatotoxicity. <i>European Journal of Gastroenterology and Hepatology</i> , 2010, 22, 1235-1238.	1.6	87
2	Classification of Asthma Based on Nonlinear Analysis of Breathing Pattern. <i>PLoS ONE</i> , 2016, 11, e0147976.	2.5	48
3	Artificial Intelligence Models for Predicting Iron Deficiency Anemia and Iron Serum Level Based on Accessible Laboratory Data. <i>Journal of Medical Systems</i> , 2012, 36, 2057-2061.	3.6	42
4	Allergen-induced anxiety-like behavior is associated with disruption of medial prefrontal cortex - amygdala circuit. <i>Scientific Reports</i> , 2019, 9, 19586.	3.3	33
5	A Novel Method for Diagnosing Cirrhosis in Patients with Chronic Hepatitis B: Artificial Neural Network Approach. <i>Journal of Medical Systems</i> , 2011, 35, 121-126.	3.6	27
6	Distraction of olfactory bulb-medial prefrontal cortex circuit may induce anxiety-like behavior in allergic rhinitis. <i>PLoS ONE</i> , 2019, 14, e0221978.	2.5	26
7	Quantifying Memory in Complex Physiological Time-Series. <i>PLoS ONE</i> , 2013, 8, e72854.	2.5	26
8	Predicting Arterial Blood Gas Values from Venous Samples in Patients with Acute Exacerbation Chronic Obstructive Pulmonary Disease Using Artificial Neural Network. <i>Journal of Medical Systems</i> , 2011, 35, 483-488.	3.6	25
9	Nonlinear model for estimating respiratory volume based on thoracoabdominal breathing movements. <i>Respirology</i> , 2013, 18, 108-116.	2.3	22
10	Effect of Rho-kinase inhibition on complexity of breathing pattern in a guinea pig model of asthma. <i>PLoS ONE</i> , 2017, 12, e0187249.	2.5	19
11	Preventive effect of N-acetylcysteine in a mouse model of steroid resistant acute exacerbation of asthma. <i>EXCLI Journal</i> , 2013, 12, 184-92.	0.7	18
12	Complexity Analysis of Respiratory Dynamics. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 247-248.	5.6	17
13	Allergic rhinitis impairs working memory in association with drop of hippocampal α Prefrontal coupling. <i>Brain Research</i> , 2021, 1758, 147368.	2.2	16
14	APPLICATION OF ARTIFICIAL NEURAL NETWORKS TO PREDICT <i>CLOSTRIDIUM BOTULINUM</i> GROWTH AS A FUNCTION OF <i>ZATARIA MULTIFLORA</i> ESSENTIAL OIL, pH, NaCl AND TEMPERATURE. <i>Journal of Food Safety</i> , 2010, 30, 490-505.	2.3	14
15	Modeling force-velocity relation in skeletal muscle isotonic contraction using an artificial neural network. <i>BioSystems</i> , 2007, 90, 529-534.	2.0	13
16	Role of shear stress in ventilator-induced lung injury. <i>Lancet Respiratory Medicine</i> , 2016, 4, e41-e42.	10.7	13
17	Modulating proteoglycan receptor PTP1f using intracellular sigma peptide improves remyelination and functional recovery in mice with demyelinated optic chiasm. <i>Molecular and Cellular Neurosciences</i> , 2019, 99, 103391.	2.2	13
18	Detection of premature ventricular contraction (PVC) using linear and nonlinear techniques: an experimental study. <i>Cluster Computing</i> , 2020, 23, 759-774.	5.0	13

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19	Effect of Low-Frequency Electrical Stimulation on the High-K ⁺ -Induced Neuronal Hyperexcitability in Rat Hippocampal Slices. <i>Neuroscience</i> , 2018, 369, 87-96.	2.3	10
20	Protective effect of heart rate variability biofeedback on stress-induced lung function impairment in asthma. <i>Respiratory Physiology and Neurobiology</i> , 2019, 262, 49-56.	1.6	10
21	Premature Ventricular Contraction (PVC) Detection System Based on Tunable Q-Factor Wavelet Transform. <i>Journal of Biomedical Physics and Engineering</i> , 2022, 12, 61-74.	0.9	10
22	Effect of airway remodeling and hyperresponsiveness on complexity of breathing pattern in rat. <i>Respiratory Physiology and Neurobiology</i> , 2018, 247, 65-70.	1.6	9
23	The inhibitory effect of different patterns of low frequency stimulation on neuronal firing following epileptiform activity in rat hippocampal slices. <i>Brain Research</i> , 2019, 1706, 184-195.	2.2	9
24	The role of dopamine D2-like receptors in a "depression-like effect" of deep brain stimulation in kindled rats. <i>Brain Research</i> , 2020, 1738, 146820.	2.2	9
25	Rhythmic air-puff into nasal cavity modulates activity across multiple brain areas: A non-invasive brain stimulation method to reduce ventilator-induced memory impairment. <i>Respiratory Physiology and Neurobiology</i> , 2021, 287, 103627.	1.6	9
26	Asthma induces psychiatric impairments in association with default mode and salience networks alteration: A resting-state EEG study. <i>Respiratory Physiology and Neurobiology</i> , 2022, 300, 103870.	1.6	9
27	Acute morphine administration alters the power of local field potentials in mesolimbic pathway of freely moving rats: Involvement of dopamine receptors. <i>Neuroscience Letters</i> , 2018, 686, 168-174.	2.1	8
28	Variable ventilation decreases airway responsiveness and improves ventilation efficiency in a rat model of asthma. <i>Respiratory Physiology and Neurobiology</i> , 2018, 255, 39-42.	1.6	8
29	The olfactory bulb modulates entorhinal cortex oscillations during spatial working memory. <i>Journal of Physiological Sciences</i> , 2021, 71, 21.	2.1	8
30	Disrupted connectivity in the olfactory bulb-entorhinal cortex-dorsal hippocampus circuit is associated with recognition memory deficit in Alzheimer's disease model. <i>Scientific Reports</i> , 2022, 12, 4394.	3.3	8
31	Discriminating Tuberculous Pleural Effusion from Malignant Pleural Effusion Based on Routine Pleural Fluid Biomarkers, Using Mathematical Methods. <i>Tanaffos</i> , 2017, 16, 157-165.	0.5	7
32	Allergen disrupts amygdala-respiration coupling. <i>Respiratory Physiology and Neurobiology</i> , 2022, 297, 103835.	1.6	7
33	PREDICTING THE COMBINED EFFECT OF <i>ZATARIA MULTIFLORA</i> ESSENTIAL OIL, PH AND TEMPERATURE ON THE GROWTH OF <i>STAPHYLOCOCCUS AUREUS</i> USING ARTIFICIAL NEURAL NETWORKS. <i>Journal of Food Safety</i> , 2010, 30, 318-329.	2.3	6
34	Bronchoconstriction Induces Structural and Functional Airway Alterations in Non-sensitized Rats. <i>Lung</i> , 2017, 195, 167-171.	3.3	6
35	The effects of prenatal androgen exposure on cardiac function and tolerance to ischemia/reperfusion injury in male and female rats during adulthood. <i>Life Sciences</i> , 2019, 229, 251-260.	4.3	6
36	An optimized animal model of lysolecithin induced demyelination in optic nerve; more feasible, more reproducible, promising for studying the progressive forms of multiple sclerosis. <i>Journal of Neuroscience Methods</i> , 2021, 352, 109088.	2.5	6

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37	Nasal Air Puff Promotes Default Mode Network Activity in Mechanically Ventilated Comatose Patients: A Noninvasive Brain Stimulation Approach. <i>Neuromodulation</i> , 2022, 25, 1351-1363.	0.8	6
38	Closed-loop Modulation of the Self-regulating Brain: A Review on Approaches, Emerging Paradigms, and Experimental Designs. <i>Neuroscience</i> , 2022, 483, 104-126.	2.3	6
39	ACC-BLA functional connectivity disruption in allergic inflammation is associated with anxiety. <i>Scientific Reports</i> , 2022, 12, 2731.	3.3	6
40	Cognitive disorders in allergic rhinitis may be induced by decline of respiration entrained rhythm in the brain. <i>Medical Hypotheses</i> , 2018, 121, 89-90.	1.5	5
41	Alpha adrenergic receptors have role in the inhibitory effect of electrical low frequency stimulation on epileptiform activity in rats. <i>International Journal of Neuroscience</i> , 2023, 133, 496-504.	1.6	4
42	Low Frequency Electrical Stimulation Attenuated The Epileptiform Activity-Induced Changes in Action Potential Features in Hippocampal CA1 Pyramidal Neurons. <i>Cell Journal</i> , 2018, 20, 355-360.	0.2	4
43	Clinical Features and Outcomes of ICU Patients with COVID-19 Infection in Tehran, Iran: a Single-Centered Retrospective Cohort Study. <i>Tanaffos</i> , 2020, 19, 300-311.	0.5	4
44	The olfactory bulb coordinates the ventral hippocampusâ€“medial prefrontal cortex circuit during spatial working memory performance. <i>Journal of Physiological Sciences</i> , 2022, 72, 9.	2.1	4
45	Group I metabotropic glutamate receptors contribute to the antiepileptic effect of electrical stimulation in hippocampal CA1 pyramidal neurons. <i>Epilepsy Research</i> , 2021, 178, 106821.	1.6	3
46	Stimulating Neural Pathways to Reduce Mechanical Ventilationâ€“associated Neurocognitive Dysfunction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 588-589.	5.6	3
47	Modeling the growth of <i>Salmonella typhimurium</i> under the effect of <i>Zataria multiflora</i> essential oil, pH, and temperature by artificial neural networks. <i>Comparative Clinical Pathology</i> , 2011, 20, 507-512.	0.7	2
48	Asthma diagnosis based on respiratory dynamic using sparse representation based-classifier. , 2015, , .		2
49	Prediction of mortality in patients with sepsis using detrended fluctuation analysis of Heart Rate Variability. , 2016, , .		2
50	Eliminated respiration-coupled oscillations in the brain as a possible link between adenotonsillar hypertrophy and cognitive impairment. <i>Medical Hypotheses</i> , 2018, 112, 63-64.	1.5	2
51	Cardiac function and tolerance to ischemia/reperfusion injury in a rat model of polycystic ovary syndrome during the postmenopausal period. <i>Life Sciences</i> , 2020, 262, 118394.	4.3	2
52	Online analysis of local field potentials for seizure detection in freely moving rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 173-177.	1.0	2
53	Paternal preconception exposure to chronic morphine alters respiratory pattern in response to morphine in male offspring. <i>Respiratory Physiology and Neurobiology</i> , 2022, 296, 103811.	1.6	2
54	Brain wave disturbance and cognitive impairment after CPR. <i>Medical Hypotheses</i> , 2019, 126, 129-130.	1.5	1

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55	Respiratory pattern complexity in newly-diagnosed asthmatic patients. <i>Respiratory Physiology and Neurobiology</i> , 2022, 300, 103873.	1.6	1
56	Some new psychological side effects due to anti-androgenic properties of cyproterone compound. <i>Medical Hypotheses</i> , 2007, 68, 1422-1423.	1.5	0
57	First Experience with Extracorporeal Membrane Oxygenation in Iran, under Difficult Conditions. <i>The Journal of Tehran Heart Center</i> , 2018, 13, 166-172.	0.3	0
58	Inhibition of Rho-kinase improves response to deep inspiration in ovalbumin-sensitized guinea pigs. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 1584-1589.	1.0	0