Qing Pan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1026892/publications.pdf

Version: 2024-02-01

41	489	933447	752698
papers	citations	10	20
		h-index	g-index

43	43	43	709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pulsatility damping in the microcirculation: Basic pattern and modulating factors. Microvascular Research, 2022, 139, 104259.	2.5	2
2	Individualized Mechanical power-based ventilation strategy for acute respiratory failure formalized by finite mixture modeling and dynamic treatment regimen. EClinicalMedicine, 2021, 36, 100898.	7.1	11
3	An interpretable 1D convolutional neural network for detecting patient-ventilator asynchrony in mechanical ventilation. Computer Methods and Programs in Biomedicine, 2021, 204, 106057.	4.7	23
4	Identifying Patientâ€“Ventilator Asynchrony on a Small Dataset Using Image-Based Transfer Learning. Sensors, 2021, 21, 4149.	3.8	13
5	Airway Pressure Release Ventilation Mode Improves Circulatory and Respiratory Function in Patients After Cardiopulmonary Bypass, a Randomized Trial. Frontiers in Physiology, 2021, 12, 684927.	2.8	4
6	Development of Novel Fractal Method for Characterizing the Distribution of Blood Flow in Multi-Scale Vascular Tree. Frontiers in Physiology, 2021, 12, 711247.	2.8	2
7	Electrical impedance tomography captures heterogeneous lung ventilation that may be associated with ineffective inspiratory efforts. Critical Care, 2021, 25, 303.	5.8	0
8	Assessment of respiratory system compliance under pressure control ventilation without an inspiratory pause maneuver. Physiological Measurement, 2021, 42, 08NT01.	2.1	2
9	Visualizing the spatiotemporal pattern of yolk sac membrane vascular network by enhanced local fractal analysis. Microcirculation, 2021, , e12746.	1.8	2
10	A novel data augmentation method to enhance deep neural networks for detection of atrial fibrillation. Biomedical Signal Processing and Control, 2020, 56, 101675.	5.7	78
11	Analytics with artificial intelligence to advance the treatment of acute respiratory distress syndrome. Journal of Evidence-Based Medicine, 2020, 13, 301-312.	1.8	30
12	Deep learning-based clustering robustly identified two classes of sepsis with both prognostic and predictive values. EBioMedicine, 2020, 62, 103081.	6.1	39
13	Lung Mechanics of Mechanically Ventilated Patients With COVID-19: Analytics With High-Granularity Ventilator Waveform Data. Frontiers in Medicine, 2020, 7, 541.	2.6	14
14	Risk Factors for Patientâ€“Ventilator Asynchrony and Its Impact on Clinical Outcomes: Analytics Based on Deep Learning Algorithm. Frontiers in Medicine, 2020, 7, 597406.	2.6	4
15	Fusion of Multi-Size Candidate Regions Enhances Two-Stage Hippocampus Segmentation. IEEE Access, 2020, 8, 63225-63238.	4.2	1
16	Preprocessing Unevenly Sampled RR Interval Signals to Enhance Estimation of Heart Rate Deceleration and Acceleration Capacities in Discriminating Chronic Heart Failure Patients from Healthy Controls. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-10.	1.3	3
17	Detection of patient-ventilator asynchrony from mechanical ventilation waveforms using a two-layer long short-term memory neural network. Computers in Biology and Medicine, 2020, 120, 103721.	7.0	48
18	Data Augmentation for Deep Learning-Based ECG Analysis. , 2020, , 91-111.		14

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19	Cumulative oxygen deficit is a novel predictor for the timing of invasive mechanical ventilation in COVID-19 patients with respiratory distress. PeerJ, 2020, 8, e10497.	2.0	5
20	Driving pressure variation in mechanical ventilation: Is it associated with ventilaiton associate events?. , 2020, , .		0
21	Investigation into the diversity in the fractal dimensions of arterioles and venules in a microvascular network â€“ A quantitative analysis. Microvascular Research, 2019, 125, 103882.	2.5	6
22	Combining Sequence Learning and U-Like-Net for Hippocampus Segmentation. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2019, 31, 1382.	0.2	3
23	Caching Efficiency Enhancement at Wireless Edges with Concerns on Userâ€™s Quality of Experience. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	3
24	Pulse wave velocity in the microcirculation reflects both vascular compliance and resistance: Insights from computational approaches. Microcirculation, 2018, 25, e12458.	1.8	6
25	Adjusted weight voting algorithm for random forests in handling missing values. Pattern Recognition, 2017, 69, 52-60.	8.1	69
26	Modeling of pulsatile flow-dependent nitric oxide regulation in a realistic microvascular network. Microvascular Research, 2017, 113, 40-49.	2.5	7
27	Timeâ€pattern design for transmission energy allocation in wireless sensor networks. IET Communications, 2017, 11, 1028-1035.	2.2	7
28	Resampling the RR tachogram enhances the deceleration capacity of heart rate in the assessment of chronic heart failure. , 2017, , .		0
29	Do the deceleration/acceleration capacities of heart rate reflect cardiac sympathetic or vagal activity? A model study. Medical and Biological Engineering and Computing, 2016, 54, 1921-1933.	2.8	27
30	The degree of heart rate asymmetry is crucial for the validity of the deceleration and acceleration capacity indices of heart rate: A model-based study. Computers in Biology and Medicine, 2016, 76, 39-49.	7.0	7
31	Simulation of microcirculatory hemodynamics: estimation of boundary condition using particle swarm optimization. Bio-Medical Materials and Engineering, 2014, 24, 2341-2347.	0.6	6
32	A One-Dimensional Mathematical Model for Studying the Pulsatile Flow in Microvascular Networks. Journal of Biomechanical Engineering, 2014, 136, 011009.	1.3	22
33	A Sensing Chair design for home based physiological signs monitoring. , 2013, , .		3
34	Transmission of pulsatility in the microcirculation: Where and how damping occurs?. FASEB Journal, 2013, 27, 899.1.	0.5	0
35	Fast Parameters Estimation in Medication Efficacy Assessment Model for Heart Failure Treatment. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-9.	1.3	4
36	A mobile health system design for home and community use. , 2012, , .		3

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37	Enhancing the deceleration capacity index of heart rate by modified-phase-rectified signal averaging. Medical and Biological Engineering and Computing, 2010, 48, 399-405.	2.8	9
38	A heart failure diagnosis model based on support vector machine. , 2010, , .		12
39	Simulation of Blood Pressure Wave Propagation in a Vessel by One-Dimensional Model. IFMBE Proceedings, 2010, , 1366-1369.	0.3	0
40	Design of a Portable Apparatus for Assessing Vascular Stiffness. , 2009, , .		0
41	Controlling the Inspiration/Expiration Ratio Benefits the Deceleration Capacity Index of Heart Rate in Assessing the Sympatho:vagal Balance. , 0, , .		0