Qi Mi

List of Publications by Year in descending order

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35 papers	2,187 citations	430442 18 h-index	395343 33 g-index
36 all docs	36 docs citations	36 times ranked	2976 citing authors

#	Article	IF	Citations
1	Derivation, Validation, and Potential Treatment Implications of Novel Clinical Phenotypes for Sepsis. JAMA - Journal of the American Medical Association, 2019, 321, 2003.	3.8	753
2	Agentâ€based models in translational systems biology. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2009, 1, 159-171.	6.6	247
3	Temporal Patterns of Circulating Inflammation Biomarker Networks Differentiate Susceptibility to Nosocomial Infection Following Blunt Trauma in Humans. Annals of Surgery, 2016, 263, 191-198.	2.1	122
4	Continuum Model of Collective Cell Migration in Wound Healing and Colony Expansion. Biophysical Journal, 2011, 100, 535-543.	0.2	107
5	A Dynamic View of Trauma/Hemorrhage-Induced Inflammation in Mice: Principal Drivers and Networks. PLoS ONE, 2011, 6, e19424.	1.1	102
6	Central Role for MCP-1/CCL2 in Injury-Induced Inflammation Revealed by In Vitro, In Silico, and Clinical Studies. PLoS ONE, 2013, 8, e79804.	1.1	91
7	Insights into the Role of Chemokines, Damage-Associated Molecular Patterns, and Lymphocyte-Derived Mediators from Computational Models of Trauma-Induced Inflammation. Antioxidants and Redox Signaling, 2015, 23, 1370-1387.	2.5	82
8	Computational Analysis Supports an Early, Type 17 Cell-Associated Divergence of Blunt Trauma Survival and Mortality*. Critical Care Medicine, 2016, 44, e1074-e1081.	0.4	76
9	A two-compartment mathematical model of endotoxin-induced inflammatory and physiologic alterations in swine*. Critical Care Medicine, 2012, 40, 1052-1063.	0.4	72
10	Translational systems biology of inflammation: potential applications to personalized medicine. Personalized Medicine, 2010, 7, 549-559.	0.8	61
11	Inducible Protein-10, a Potential Driver of Neurally Controlled Interleukin-10 and Morbidity in Human Blunt Trauma*. Critical Care Medicine, 2014, 42, 1487-1497.	0.4	57
12	Individual-specific principal component analysis of circulating inflammatory mediators predicts early organ dysfunction in trauma patients. Journal of Critical Care, 2016, 36, 146-153.	1.0	55
13	Using machine learning to predict ovarian cancer. International Journal of Medical Informatics, 2020, 141, 104195.	1.6	50
14	A Multiscale Agent-Based in silico Model of Liver Fibrosis Progression. Frontiers in Bioengineering and Biotechnology, 2014, 2, 18.	2.0	45
15	Inflammation Following Traumatic Brain Injury in Humans: Insights from Data-Driven and Mechanistic Models into Survival and Death. Frontiers in Pharmacology, 2016, 7, 342.	1.6	37
16	Computational Modeling of Inflammation and Wound Healing. Advances in Wound Care, 2013, 2, 527-537.	2.6	32
17	A Computational, Tissue-Realistic Model of Pressure Ulcer Formation in Individuals with Spinal Cord Injury. PLoS Computational Biology, 2015, 11, e1004309.	1.5	30
18	One-Dimensional Elastic Continuum Model of Enterocyte Layer Migration. Biophysical Journal, 2007, 93, 3745-3752.	0.2	28

#	Article	IF	Citations
19	A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. PLoS Computational Biology, 2018, 14, e1006582.	1.5	18
20	Impact of chemically-modified tetracycline 3 on intertwined physiological, biochemical, and inflammatory networks in porcine sepsis/ARDS. International Journal of Burns and Trauma, 2015, 5, 22-35.	0.2	17
21	Dynamic Profiling: Modeling the Dynamics of Inflammation and Predicting Outcomes in Traumatic Brain Injury Patients. Frontiers in Pharmacology, 2016, 7, 383.	1.6	13
22	Unsupervised Clustering Analysis Based on MODS Severity Identifies Four Distinct Organ Dysfunction Patterns in Severely Injured Blunt Trauma Patients. Frontiers in Medicine, 2020, 7, 46.	1.2	13
23	Load Magnitude and Locomotion Pattern Alter Locomotor System Function in Healthy Young Adult Women. Frontiers in Bioengineering and Biotechnology, 2020, 8, 582219.	2.0	12
24	Computational Derivation of Core, Dynamic Human Blunt Trauma Inflammatory Endotypes. Frontiers in Immunology, 2020, 11, 589304.	2.2	12
25	Load carriage magnitude and locomotion strategy alter knee total joint moment during bipedal ambulatory tasks in recruit-aged women. Journal of Biomechanics, 2020, 105, 109772.	0.9	11
26	A Predictive Model for Assessing Surgery-Related Acute Kidney Injury Risk in Hypertensive Patients: A Retrospective Cohort Study. PLoS ONE, 2016, 11, e0165280.	1.1	9
27	Fight load index and body composition are most associated with combat fitness in female Marines. Journal of Science and Medicine in Sport, 2019, 22, 494-499.	0.6	7
28	Men and women display distinct extracellular vesicle biomarker signatures in response to military operational stress. Journal of Applied Physiology, 2022, 132, 1125-1136.	1.2	7
29	Loaded forced-marching shifts mechanical contributions proximally and disrupts stride-to-stride joint work modulation in recruit aged women. Gait and Posture, 2021, 88, 22-27.	0.6	4
30	Tibial Bone Geometry Is Associated With Bone Stress Injury During Military Training in Men and Women. Frontiers in Physiology, 2022, 13, 803219.	1.3	4
31	Profiles of mood state fatigue scale is responsive to fatiguing protocol but shows no relationship to perceived or performance decrements. Translational Sports Medicine, 2019, 2, 153-160.	0.5	3
32	Utility of extracellular vesicles as a potential biological indicator of physiological resilience during military operational stress. Physiological Reports, 2022, 10, e15219.	0.7	3
33	Parameter discovery for stochastic computational models in systems biology using Bayesian model checking. , 2014, , .		0
34	Use-dependent corticospinal excitability is associated with resilience and physical performance during simulated military operational stress. Journal of Applied Physiology, 2022, 132, 187-198.	1.2	0
35	Neuroendocrine, Inflammatory, and Extracellular Vesicle Responses During the Navy Special Warfare Screener Selection Course. Physiological Genomics, 0, , .	1.0	0