Feifei Qian

List of Publications by Year
in descending order

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15 papers	355 citations	1478505 6 h-index	1372567 10 g-index
15 all docs	15 docs citations	15 times ranked	411 citing authors

#	Article	IF	Citations
1	Planning of Obstacle-Aided Navigation for Multi-Legged Robots Using a Sampling-Based Method Over Directed Graphs. IEEE Robotics and Automation Letters, 2022, 7, 8861-8868.	5.1	1
2	Spatially and temporally distributed data foraging decisions in disciplinary field science. Cognitive Research: Principles and Implications, 2021, 6, 29.	2.0	3
3	An obstacle disturbance selection framework: emergent robot steady states under repeated collisions. International Journal of Robotics Research, 2020, 39, 1549-1566.	8.5	7
4	Modulation of Robot Orientation Via Leg-Obstacle Contact Positions. IEEE Robotics and Automation Letters, 2020, 5, 2054-2061.	5.1	2
5	Rapid In Situ Characterization of Soil Erodibility With a Field Deployable Robot. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1261-1280.	2.8	9
6	Dynamics of scattering in undulatory active collisions. Physical Review E, 2019, 99, 022606.	2.1	13
7	Ground robotic measurement of aeolian processes. Aeolian Research, 2017, 27, 1-11.	2.7	18
8	A review on locomotion robophysics: the study of movement at the intersection of robotics, soft matter and dynamical systems. Reports on Progress in Physics, 2016, 79, 110001.	20.1	197
9	MEASUREMENT OF AEOLIAN PROCESSES WITH A ROBOTIC PLATFORM. , 2016, , .		1
10	Anticipatory control using substrate manipulation enables trajectory control of legged locomotion on heterogeneous granular media. , 2015, , .		6
11	Principles of appendage design in robots and animals determining terradynamic performance on flowable ground. Bioinspiration and Biomimetics, 2015, 10, 056014.	2.9	46
12	Ground fluidization promotes rapid running of a lightweight robot. International Journal of Robotics Research, 2013, 32, 859-869.	8.5	30
13	AN AUTOMATED SYSTEM FOR SYSTEMATIC TESTING OF LOCOMOTION ON HETEROGENEOUS GRANULAR MEDIA. , 2013, , .		10
14	Walking and running on yielding and fluidizing ground. , 0, , .		5
15	The dynamics of legged locomotion in heterogeneous terrain: universality in scattering and sensitivity to initial conditions. , 0, , .		7