

Robomech2021 Keyword List

1. Mobile robot
2. Soft robot
3. Measurement, monitoring
4. Image processing
5. Robot hand
6. Mechanism
7. Manipulator, Robot arm
8. Control
9. Rehabilitation
10. Livelihood support
11. UAV(Unmanned Aerial Vehicle), Drone
12. Deep learning
13. Machine learning
14. Tactile sense
15. Pneumatic, Pneumatic actuator
16. Sensor, Sensor device
17. Autonomous mobile robot
18. Human Robot Interaction (HRI)
19. Artificial muscle
20. Biomimetic
21. Soft actuator
22. Virtual reality(VR)
23. Underwater robot
24. Image recognition
25. MEMS
26. Grasping
27. Manipulation
28. Welfare
29. Interface
30. Motion recognition, analysis
31. Vibration
32. Force display
33. Humanoid
34. Wearable device
35. Agricultural robot
36. Wheeled mobile robot
37. Tele-operation
38. Actuator
39. Work support
40. Rough terrain locomotion
41. Self-localization
42. Education
43. Wire drive
44. 3D measurement
45. Micro fluid
46. Reinforcement learning
47. Tactile sensor
48. Automation
49. Mechatronics
50. Simulation
51. Motion capture
52. Force sensor
53. Object recognition, Object posture recognition
54. Surgery support
55. Walking
56. Path planning, generation
57. Coordinated control, operation
58. 4-legged robot
59. Wearable robot
60. Legged robot
61. Mobile mechanism
62. Cell manipulation
63. Infrastructure inspection
64. Behavior estimation, prediction
65. Optimisation
66. Biped robot
67. Augmented reality(AR)
68. Convolutional neural network(CNN)
69. Robot Operating System (ROS)
70. Operation support
71. Omnidirectional locomotion
72. RGB-D camera
73. Safety
74. Communication robot
75. Attitude control
76. Walking support
77. Neural network
78. Construction robot
79. Autonomous locomotion
80. Power assist
81. Flying robot
82. Endoscope, laparoscopic surgery
83. Adsorption
84. Self-driving, Autonomous driving
85. Electric wheelchair
86. LRF, LiDAR
87. Navigation
88. Link mechanism
89. Musculoskeletal model
90. Obstacle avoidance, Collision avoidance
91. High speed vision
92. Passive walking
93. Ultrasonic inspection
94. Sensor fusion
95. Multicopter
96. SLAM
97. Parallel mechanism
98. Autonomous distributed control
99. 3D printer
100. Step over the step
101. Jumping robot
102. Underactuation
103. Gaze
104. Swarm robot
105. Peristaltic movement
106. Stairs up and down
107. Variable stiffness
108. Hydraulic
109. Inertial sensor, IMU
110. Intelligent space
111. Map generation
112. Visual servo
113. Dual-arm robot
114. Crawler
115. Proximity sensor
116. Genetic algorithm (GA)
117. Wall movement
118. Piezoelectric
119. Redundant manipulator
120. Inverted pendulum
121. Network robot
122. Rescue robot
123. Communication
124. Social implementation
125. RT-Middleware, OpenRTM
126. Snake robot
127. Terramechanics
128. Trajectory planning
129. Myoelectric hand
130. MR fluid
131. Surgery simulator
132. Micro robot
133. Gripping force
134. Master slave, Leader follower
135. Robot contest
136. Disaster recovery
137. Excavation
138. Self-organization
139. Personal mobility
140. Biologging
141. Modular robot
142. Autonomous underwater robot (AUV)
143. Motion planning
144. Transfer Learning
145. Fall prevention, avoidance
146. Vibration-induced flow
147. Snap through
148. Medical robot
149. Human Augmentation
150. Stress
151. Optic nerve