

1. **Kaixian Ba, Bin Yu***, Xiangdong Kong, Chunhe Li, **Qixin Zhu**, Hualong Zhao, Lingjian Kong. Parameters sensitivity characteristics of highly force control system[J]. Chinese Journal of Mechanical Engineering, 2018, 31(43): 1-17.

2. **Kaixian Ba, Bin Yu***, **Qixin Zhu**, Zhengjie Gao, **Guoliang Ma**, Zhengguo Jin, Xiangdong Kong. Second order matrix sensitivity analysis of force based impedance control for leg hydraulic drive system[J]. Robotics and Autonomous Systems, 2019, 121: 103265.

3. , , * , , . [J]. , 2021, 57(24): 58-65.

4. **Kaixian Ba**, Yanhe Song, Chunyu Wang, Yapeng Shi, **Bin Yu***, Xin Chen, **Guoliang Ma**, Xiangdong Kong. A novel kinematics and statics correction algorithm of semi-cylindrical foot end structure for 3-DOF LHDS of legged robots[J]. Complex & Intelligent Systems, 2022, 8: 5387-5407.

5. Yapeng Shi, Xiaolong He, Wenpeng Zou, **Bin Yu**, **Lipeng Yuan**, Mantian Li, **Gang Pan**, **Kaixian Ba***. Multi-objective optimal torque control with simultaneous motion and force tracking for hydraulic quadruped robots[J]. Machines, 2022, 10(170): 1-18.

1				1	2021
				80%	
2				2	NSFC
				70%	2016 (2/10) 2018 (7/10) 2018 (8/12)

3

"

"

3

-

70%

7				7	+
				60%	
8		()	()	8	
				60%	
9				9	
				60%	

()

()

		<i>l</i>			
1		/2(/1 /5)	2018	Parameters sensitivity characteristics of highly integrated	Chinese Journal of Mechanical Engineering
2		/2(/1 /3 /5)	2019		