

# Fuxin Du

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

8  
h-index

1125743

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g-index

17  
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17  
docs citations

17  
times ranked

73  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on vibration analysis and control of machine tool feed drive systems. International Journal of Advanced Manufacturing Technology, 2020, 107, 503-525.	3.0	43
2	Identification and compensation of friction for a novel two-axis differential micro-feed system. Mechanical Systems and Signal Processing, 2018, 106, 453-465.	8.0	31
3	Modeling, identification and analysis of a novel two-axis differential micro-feed system. Precision Engineering, 2017, 50, 320-327.	3.4	14
4	Thermal error modelling for a high-precision feed system in varying conditions based on an improved Elman network. International Journal of Advanced Manufacturing Technology, 2020, 106, 279-288.	3.0	14
5	Design and Modeling of a Bio-Inspired Compound Continuum Robot for Minimally Invasive Surgery. Machines, 2022, 10, 468.	2.2	12
6	A novel inverse kinematics algorithm using the Kepler oval for continuum robots. Applied Mathematical Modelling, 2021, 93, 206-225.	4.2	11
7	Development of a novel deployable arm for natural orifice transluminal endoscopic surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2232.	2.3	11
8	Kinematic modeling of a class of <i>n</i> -tendon continuum manipulators. Advanced Robotics, 2020, 34, 1254-1271.	1.8	10
9	An Efficient Inverse Kinematics Algorithm for Continuum Robot with a Translational Base. , 2020, , .		9
10	Cross-coupled intelligent control for a novel two-axis differential micro-feed system. Advances in Mechanical Engineering, 2018, 10, 168781401877462.	1.6	6
11	Modeling and Analysis for a Novel Dual-axis Differential Micro-feed System. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2018, 54, 195.	0.5	4
12	Microstructure and corrosion resistance of stainless steel produced by bypass coupling twin-wire indirect arc additive manufacturing. International Journal of Advanced Manufacturing Technology, 2022, 119, 2159-2172.	3.0	3
13	Vibration of rotating circular cylindrical shells with distributed springs. Journal of Mechanics, 2021, 37, 346-358.	1.4	2
14	Analysis of Dynamic Friction and Elongation Characteristics of the Tendon Sheath System. Lecture Notes in Computer Science, 2021, , 145-154.	1.3	2
15	Design and experimental validation of a master manipulator with position and posture decoupling for laparoscopic surgical robot. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2398.	2.3	2
16	Optimized configuration of the joint stiffness for a dual differential feed system. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	1
17	Effect of arc voltage on process stability of bypass-coupling twin-wire indirect arc welding. International Journal of Modern Physics B, 2022, 36, .	2.0	1