Deng-Peng Xing

List of Publications by Year
in descending order

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Version: 2024-02-01

20 papers	220 citations	1040056 9 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	158 citing authors

#	Article	IF	Citations
1	Robust Insertion Control for Precision Assembly With Passive Compliance Combining Vision and Force Information. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1974-1985.	5.8	38
2	An Efficient Insertion Control Method for Precision Assembly of Cylindrical Components. IEEE Transactions on Industrial Electronics, 2017, 64, 9355-9365.	7.9	27
3	Precision Assembly Among Multiple Thin Objects with Various Fit Types. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	5.8	21
4	Coordinated Insertion Control for Inclined Precision Assembly. IEEE Transactions on Industrial Electronics, 2016, 63, 2990-2999.	7.9	19
5	Sensing and Control for Simultaneous Precision Peg-in-Hole Assembly of Multiple Objects. IEEE Transactions on Automation Science and Engineering, 2020, 17, 310-324.	5.2	18
6	Laser Beam Pointing Control With Piezoelectric Actuator Model Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1024-1034.	9.3	17
7	Arm/trunk motion generation for humanoid robot. Science China Information Sciences, 2010, 53, 1603-1612.	4.3	16
8	Efficient Insertion of Multiple Objects Parallel Connected by Passive Compliant Mechanisms in Precision Assembly. IEEE Transactions on Industrial Informatics, 2019, 15, 4878-4887.	11.3	15
9	Efficient Insertion of Partially Flexible Objects in Precision Assembly. IEEE Transactions on Automation Science and Engineering, 2019, 16, 706-715.	5.2	12
10	Motion Control for Cylindrical Objects in Microscope's View Using a Projection Methodâ€" I: Collision Detection and Detach Control. IEEE Transactions on Industrial Electronics, 2017, 64, 5524-5533.	7.9	8
11	Efficient Coordinated Control Strategy to Handle Randomized Inclination in Precision Assembly. IEEE Transactions on Industrial Informatics, 2020, 16, 5814-5824.	11.3	7
12	Efficient Insertion Strategy for Precision Assembly With Uncertainties Using a Passive Mechanism. IEEE Transactions on Industrial Informatics, 2021, 17, 1263-1273.	11.3	6
13	Efficient Collision Detection and Detach Control for Convex Prisms in Precision Manipulation. IEEE Transactions on Industrial Informatics, 2018, 14, 5316-5326.	11.3	5
14	Motion Control for Cylindrical Objects in Microscope's View Using a Projection Methodâ€"II: Collision Avoidance With Reduced Dimensional Guidance. IEEE Transactions on Industrial Electronics, 2017, 64, 5534-5544.	7.9	4
15	Simultaneous Control in Belief Space for Circular Insertion in Precision Assembly. IEEE Transactions on Industrial Informatics, 2021, 17, 1842-1851.	11.3	2
16	A Brain-Inspired Approach for Collision-Free Movement Planning in the Small Operational Space. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2094-2105.	11.3	2
17	Efficient Spatiotemporal Transformer for Robotic Reinforcement Learning. IEEE Robotics and Automation Letters, 2022, 7, 7982-7989.	5.1	2
18	Joint Alignment and Simultaneous Insertion of Multiple Objects in Precision Assembly. IEEE Transactions on Industrial Informatics, 2021, 17, 230-239.	11.3	1

#	Article	IF	Citations
19	Coordinated Motion Planning of Independent Manipulators in Precision Manipulation. IEEE Transactions on Industrial Informatics, 2020, 16, 6933-6942.	11.3	0
20	A Brain-Inspired Approach for Probabilistic Estimation and Efficient Planning in Precision Physical Interaction. IEEE Transactions on Cybernetics, 2023, 53, 6248-6262.	9.5	0