Kshetrimayum Lochan

List of Publications by Year
in descending order

25	393	8	19
papers	citations	1163117 h-index	794594 g-index
27	27	27	347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on two-link flexible manipulators. Annual Reviews in Control, 2016, 42, 346-367.	7.9	115
2	Coexistence of single- and multi-scroll chaotic orbits in a single-link flexible joint robot manipulator with stable spiral and index-4 spiral repellor types of equilibria. Nonlinear Dynamics, 2017, 90, 1277-1299.	5.2	49
3	SMC Controlled Chaotic Trajectory Tracking of Two-Link Flexible Manipulator with PID Sliding Surface. IFAC-PapersOnLine, 2016, 49, 219-224.	0.9	35
4	Robust tip trajectory synchronisation between assumed modes modelled two-link flexible manipulators using second-order PID terminal SMC. Robotics and Autonomous Systems, 2017, 97, 108-124.	5.1	33
5	Control of Two-link 2-DOF Robot Manipulator Using Fuzzy Logic Techniques: A Review. Advances in Intelligent Systems and Computing, 2015, , 499-511.	0.6	32
6	Adaptive time-varying super-twisting global SMC for projective synchronisation of flexible manipulator. Nonlinear Dynamics, 2018, 93, 2071-2088.	5.2	26
7	Presence of Megastability and Infinitely Many Equilibria in a Periodically and Quasi-Periodically Excited Single-Link Manipulator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2130005.	1.7	15
8	Sliding mode and adaptive sliding mode control approaches of two link flexible manipulator. , 2015, , .		13
9	Generalized projective synchronization between controlled master and multiple slave TLFMs with modified adaptive SMC. Transactions of the Institute of Measurement and Control, 2018, 40, 1049-1071.	1.7	9
10	Second-order SMC for tip trajectory tracking and tip deflection suppression of an AMM modelled nonlinear TLFM. International Journal of Dynamics and Control, 2018, 6, 1310-1318.	2.5	9
11	Chaotic tip trajectory tracking and deflection suppression of a two-link flexible manipulator using second-order fast terminal SMC. Transactions of the Institute of Measurement and Control, 2019, 41, 3292-3308.	1.7	7
12	Adaptive global super-twisting sliding mode control-based filter for trajectory synchronisation of two-link flexible manipulators. International Journal of Systems Science, 2020, 51, 2410-2428.	5.5	7
13	Development and Validation of Advanced Nonlinear Predictive Control Algorithms for Trajectory Tracking in Batch Polymerization. ACS Omega, 2021, 6, 22857-22865.	3.5	6
14	Algorithms for Path Planning on Mobile Robots. IFAC-PapersOnLine, 2022, 55, 94-100.	0.9	6
15	Modeling and sliding mode control of flexible link flexible joint robot manipulator. , 2015, , .		5
16	Hidden Chaotic Path Planning and Control of a Two-Link Flexible Robot Manipulator. Studies in Systems, Decision and Control, 2018, , 433-463.	1.0	5
17	Control of rotational base single link flexible manipulator using different SMC techniques for variable payloads. , 2015, , .		4
18	Use of memristive chaotic signal as a desired trajectory for a two-link flexible manipulator using contraction theory based on a composite control technique. European Physical Journal: Special Topics, 2019, 228, 2215-2231.	2.6	4

#	Article	IF	Citations
19	Chaotic Path Planning for a Two-Link Flexible Robot Manipulator Using a Composite Control Technique. , 2019, , 233-257.		4
20	Comparison of chattering in single link flexible manipulator with sliding mode controllers. , 2015, , .		3
21	Tracking Control and Deflection Suppression of an AMM Modelled TLFM Using Backstepping Based Adaptive SMC Technique. Lecture Notes in Electrical Engineering, 2020, , 43-58.	0.4	2
22	Joint Angle Trajectory Tracking and Vibration Control of a Two-Link Flexible Link Manipulator (TLFM) in the Presence of Unmatched Disturbances. Lecture Notes in Electrical Engineering, 2020, , 227-239.	0.4	1
23	Design of a Composite Control in Two-Time Scale Using Nonlinear Disturbance Observer-Based SMC and Backstepping Control of a Two-Link Flexible Manipulator. , 2019, , 155-183.		0
24	Secure Communication Using a New Hyperchaotic System with Hidden Attractors. Lecture Notes in Electrical Engineering, 2020, , 67-79.	0.4	0
25	Synchronisation Between Two Uncertain Highly Complex Hyperchaotic Systems in the Occurrence of Unmatched Disturbances Using Disturbance Observer-Based Adaptive SMC. Lecture Notes in Electrical Engineering, 2020, , 253-265.	0.4	0