

# Robin Chhabra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7192206/publications.pdf>

Version: 2024-02-01

18  
papers

198  
citations

1306789

7  
h-index

1199166

12  
g-index

18  
all docs

18  
docs citations

18  
times ranked

92  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Optimal Output-Tracking Control of Constrained Mechanical Systems With Application to Autonomous Rovers. IEEE Transactions on Control Systems Technology, 2023, 31, 83-98.	3.2	1
2	Explicit Recursive Track-to-Track Fusion Rules for Nonlinear Multi-Sensor Systems. , 2022, 6, 253-258.		3
3	Multi-impulse smooth trajectory design for long-range rendezvous with an orbiting target using multi-objective non-dominated sorting genetic algorithm. Aerospace Science and Technology, 2022, 120, 107285.	2.5	9
4	Roll dynamics of long combination semi-trailers with steerable axles. International Journal of Vehicle Performance, 2022, 8, 224.	0.2	3
5	On the guidance, navigation and control of in-orbit space robotic missions: A survey and prospective vision. Acta Astronautica, 2021, 184, 70-100.	1.7	76
6	Reduction of Hamiltonian Mechanical Systems With Affine Constraints: A Geometric Unification. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	0.7	5
7	Elastica as a dynamical system. Journal of Geometry and Physics, 2016, 110, 348-381.	0.7	1
8	Dynamical reduction and output-tracking control of the Lunar Exploration Light Rover (LELR). , 2016, , .		5
9	A Unified Approach to Input-output Linearization and Concurrent Control of Underactuated Open-chain Multi-body Systems with Holonomic and Nonholonomic Constraints. Journal of Dynamical and Control Systems, 2016, 22, 129-168.	0.4	12
10	A linguistic approach to concurrent design. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1985-2001.	0.8	0
11	Symplectic reduction of holonomic open-chain multi-body systems with constant momentum. Journal of Geometry and Physics, 2015, 89, 82-110.	0.7	7
12	Nonholonomic dynamical reduction of open-chain multi-body systems: A geometric approach. Mechanism and Machine Theory, 2014, 82, 231-255.	2.7	8
13	A holistic approach to concurrent engineering and its application to robotics. Concurrent Engineering Research and Applications, 2014, 22, 48-61.	2.0	6
14	A generalized exponential formula for forward and differential kinematics of open-chain multi-body systems. Mechanism and Machine Theory, 2014, 73, 61-75.	2.7	21
15	A holistic concurrent design approach to robotics using hardware-in-the-loop simulation. Mechatronics, 2013, 23, 335-345.	2.0	8
16	Holistic system modeling in mechatronics. Mechatronics, 2011, 21, 166-175.	2.0	25
17	Concurrent synthesis of robot manipulators using Hardware-in-the-loop Simulation. , 2009, , .		5
18	Linguistic mechatronics. , 2008, , .		3