

# John Hauser

## List of Publications by Year in descending order

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28  
papers

1,215  
citations

1307594

7  
h-index

1281871

11  
g-index

30  
all docs

30  
docs citations

30  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Time-Invariant Formation Tracking for a Second-Order Multi-Agent System. , 2019, , .		2
2	Nonlinear Maneuver Regulation for Reduced-G Atmospheric Flight. , 2018, , .		4
3	Triple-Integral Control for Reduced-G Atmospheric Flight. , 2018, , .		8
4	On a reduced-order two-track car model including longitudinal and lateral load transfer. , 2013, , .		4
5	Computing minimum lap-time trajectories for a single-track car with load transfer. , 2012, , .		23
6	Dynamics exploration and aggressive maneuvering of a Longitudinal Vected Thrust VTOL aircraft. , 2011, , .		6
7	Lie group projection operator approach: Optimal control on T SO(3). , 2011, , .		13
8	Dynamics exploration of a single-track rigid car model with load transfer. , 2010, , .		10
9	Optimal control on non-compact lie groups: A projection operator approach. , 2010, , .		8
10	An efficient Newton method for general motorcycle kinematics. Vehicle System Dynamics, 2009, 47, 221-241.	3.7	8
11	On the periodically driven inverted pendulum. , 2009, , .		0
12	On the computation of compatible trajectories for hydraulic shaketables. , 2009, , .		0
13	Development and exploration of a Rigid Motorcycle model. , 2009, , .		1
14	On the curvature of the trajectory manifold of nonlinear systems. , 2008, , .		0
15	COMPUTING FEASIBLE TRAJECTORIES FOR CONTROL-CONSTRAINED SYSTEMS: THE PVTOL EXAMPLE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 354-359.	0.4	4
16	A Barrier Function Method for the Optimization of Trajectory Functionals with Constraints. , 2006, , .		62
17	Online Control Customization via Optimization-Based Control. , 2004, , 149-174.		26
18	Control of a thrust-vectored flying wing: a receding horizon?LPV approach. International Journal of Robust and Nonlinear Control, 2002, 12, 869-896.	3.7	29

#	ARTICLE	IF	CITATIONS
19	Nonlinear $H^\infty$ control around periodic orbits. <i>Systems and Control Letters</i> , 1997, 30, 127-137.	2.3	22
20	Least-squares integration of one-dimensional codistributions with application to approximate feedback linearization. <i>Mathematics of Control, Signals, and Systems</i> , 1996, 9, 207-241.	2.3	6
21	Maneuver Regulation from Trajectory Tracking: Feedback Linearizable Systems *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 595-600.	0.4	76
22	Nonlinear control of a swinging pendulum. <i>Automatica</i> , 1995, 31, 851-862.	5.0	209
23	Feedback linearization of transverse dynamics for periodic orbits in $R^3$ with points of transverse controllability loss. <i>Systems and Control Letters</i> , 1995, 26, 185-193.	2.3	9
24	Converse Lyapunov functions for exponentially stable periodic orbits. <i>Systems and Control Letters</i> , 1994, 23, 27-34.	2.3	93
25	A Numerical Approach for Approximate Feedback Linearization. , 1993, , .		3
26	Higher Order Approximate Feedback Linearization about a Manifold for Multi-input Systems. , 1993, , .		0
27	Trajectory Planning for Approximately Feedback Linearized Systems. , 1993, , .		1
28	Nonlinear control design for slightly non-minimum phase systems: Application to V/STOL aircraft. <i>Automatica</i> , 1992, 28, 665-679.	5.0	583