

# Ulysse Serres

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

303  
citations

1163117

8  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

208  
citing authors

#	ARTICLE	IF	CITATIONS
1	From local to global asymptotic stabilizability for weakly contractive control systems. Automatica, 2021, 124, 109308.	5.0	2
2	New dynamical observer for a batch crystallization process based on solute concentration. Journal of Process Control, 2020, 87, 17-26.	3.3	5
3	Event-Triggered Output Feedback Stabilization via Dynamic High-Gain Scaling. IEEE Transactions on Automatic Control, 2018, 63, 2537-2549.	5.7	50
4	On the cut locus of free, step two Carnot groups. Proceedings of the American Mathematical Society, 2017, 145, 5341-5357.	0.8	46
5	Minimal time synthesis for a kinematic drone model. Mathematical Control and Related Fields, 2017, 7, 259-288.	1.1	1
6	Self-triggered control via dynamic high-gain scaling. IFAC-PapersOnLine, 2016, 49, 356-361.	0.9	3
7	Output stabilization at unobservable points: Analysis via an example. , 2016, , .		1
8	Self-triggered continuousâ€“discrete observer with updated sampling period. Automatica, 2015, 62, 106-113.	5.0	25
9	Time minimum synthesis for a kinematic drone model. , 2015, , .		4
10	Continuous-Discrete Time Observer Design for Lipschitz Systems With Sampled Measurements. IEEE Transactions on Automatic Control, 2015, 60, 787-792.	5.7	65
11	Lyapunov and Minimum-Time Path Planning for Drones. Journal of Dynamical and Control Systems, 2015, 21, 47-80.	0.8	12
12	How humans fly. ESAIM - Control, Optimisation and Calculus of Variations, 2013, 19, 1030-1054.	1.3	9
13	How pilots fly: An inverse optimal control problem approach. , 2013, , .		5
14	Observability necessary conditions for the existence of observers. , 2013, , .		12
15	Continuous Discrete Observer with Updated Sampling Period. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 439-444.	0.4	15
16	On the Convergence of Linear Switched Systems. IEEE Transactions on Automatic Control, 2011, 56, 320-332.	5.7	42
17	On a class of switched linear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 260-265.	0.4	0
18	Microlocal normal forms for regular fully nonlinear two-dimensional control systems. Proceedings of the Steklov Institute of Mathematics, 2010, 270, 240-245.	0.3	0

#	ARTICLE	IF	CITATIONS
19	On Zermelo-Like Problems: Gauss's Bonnet Inequality and E. Hopf Theorem. Journal of Dynamical and Control Systems, 2009, 15, 99-131.	0.8	6
20	On curvature and feedback classification of two-dimensional optimal control systems. Journal of Mathematical Sciences, 2007, 144, 3841-3847.	0.4	0