

# Ignacio Carlucho

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

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citations

1306789

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18  
docs citations

18  
times ranked

381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive low-level control of autonomous underwater vehicles using deep reinforcement learning. Robotics and Autonomous Systems, 2018, 107, 71-86.	3.0	116
2	An adaptive deep reinforcement learning approach for MIMO PID control of mobile robots. ISA Transactions, 2020, 102, 280-294.	3.1	75
3	Incremental Q-learning strategy for adaptive PID control of mobile robots. Expert Systems With Applications, 2017, 80, 183-199.	4.4	74
4	Deep reinforcement learning approach for MPPT control of partially shaded PV systems in Smart Grids. Applied Soft Computing Journal, 2020, 97, 106711.	4.1	47
5	Double Q-PID algorithm for mobile robot control. Expert Systems With Applications, 2019, 137, 292-307.	4.4	38
6	AUV Position Tracking Control Using End-to-End Deep Reinforcement Learning. , 2018, , .		24
7	MPPT for PV systems using deep reinforcement learning algorithms. IEEE Latin America Transactions, 2019, 17, 2020-2027.	1.2	17
8	An adaptive data-driven controller for underwater manipulators with variable payload. Applied Ocean Research, 2021, 113, 102726.	1.8	14
9	From market-ready ROVs to low-cost AUVs. , 2021, , .		10
10	Comparison of a PID controller versus a LQG controller for an autonomous underwater vehicle. , 2016, , .		8
11	An obstacle avoidance system for mobile robotics based on the virtual force field method. , 2018, , .		6
12	A Modular Battery Management System for Electric Vehicles. , 2018, , .		5
13	MACĀBOT: Prototipo de VehĀculo AutĀnomo de Superficie (ASV). Revista TecnologĀ Y Ciencia, 2019, , 142-154.	0.1	3
14	Prediction of the hydrodynamic coefficients of an autonomous underwater vehicle. , 2016, , .		2
15	Ictiobot-40 a low cost AUV platform for acoustic imaging surveying. , 2019, , .		1
16	DGA: A novel strategy for key gases identification in power transformers. , 2020, , .		1
17	A reinforcement learning control approach for underwater manipulation under position and torque constraints. , 2020, , .		1
18	Modelado e identificaciĀn de vehĀculos mĀviles usando modelos de baja complejidad basados en datos. , 2016, , .		0