José Emilio Traver

List of Publications by Year
in descending order

18 papers	**85** citations	2258059 **3** h-index	1474206 **9** g-index
20 all docs	**20** docs citations	**20** times ranked	**84** citing authors

#	Article	IF	Citations
1	Purcell's three-link microswimmer based on IPMC: Simulations in COMSOL Multiphysics. IEEE Latin America Transactions, 2022, 20, 474-480.	1.6	0
2	Cardiovascular Circulatory System and Left Carotid Model: A Fractional Approach to Disease Modeling. Fractal and Fractional, 2022, 6, 64.	3.3	9
3	Modeling and Control of IPMC-Based Artificial Eukaryotic Flagellum Swimming Robot: Distributed Actuation. Algorithms, 2022, 15, 181.	2.1	5
4	CART-PENDULUM PLATFORM IN CONTROL LEARNING IN ENGINEERING: FIRST STEPS TO CREATE ITS DIGITAL TWIN. EDULEARN Proceedings, 2022, , .	0.0	0
5	DESIGN OF AN ESCAPE ROOM TO SUPPORT LEARNING OF INDUSTRIAL PROCESS CONTROL IN ENGINEERING DEGREES. INTED Proceedings, 2021, , .	0.0	2
6	TEACHING AUTOMATIC CONTROL IN ENGINEERING DEGREES IN THE COVID-19 ERA: SIMULATORS BASED ON PHYSICAL MODELING TOOLS AS ALTERNATIVE. , 2021, , .		0
7	Performance study of propulsion of N-link artificial Eukaryotic flagellum swimming microrobot within a fractional order approach: From simulations to hardware-in-the-loop experiments. European Journal of Control, 2021, 58, 340-356.	2.6	3
8	Fractional modeling of flexural behavior of toenail plates: First step for clinical purposes. Medical Engineering and Physics, 2021, 90, 23-32.	1.7	1
9	Purcell's Three-Link Swimmer: Assessment of Geometry and Gaits for Optimal Displacement and Efficiency. Mathematics, 2021, 9, 1088.	2.2	1
10	Back to Basics: Meaning of the Parameters of Fractional Order PID Controllers. Mathematics, 2019, 7, 530.	2.2	46
11	Frequency Domain Based Fractional Order Modeling of IPMC Actuators for Control. , 2019, , .		1
12	Improved Locomotion of an AEF Swimming Robot Using Fractional Order Control. , 2019, , .		4
13	Modeling Mechanical Impedance of Environment in Flexible Robotics Applications. , 2019, , .		0
14	Artificial Flagellum Microrobot. Design and Simulation in COMSOL. Advances in Intelligent Systems and Computing, 2018, , 491-501.	0.6	3
15	Comparing Classical and Fractional Order Control Strategies of a Cardiovascular Circulatory System Simulator. IFAC-PapersOnLine, 2018, 51, 48-53.	0.9	2
16	Testing non reciprocal motion of a swimming flexible small robot with single actuation. , 2018, , .		2
17	A comparative study of planar waveforms for propulsion of a joined artificial bacterial flagella swimming robot. , 2017, , .		4
18	Automated global planner for cybernetic transportation systems. , 2016, , .		2