

Estibaliz Asua

List of Publications by Year in descending order

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19
papers

214
citations

1163117

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h-index

996975

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g-index

19
all docs

19
docs citations

19
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural network-based micropositioning control of smart shape memory alloy actuators. Engineering Applications of Artificial Intelligence, 2008, 21, 796-804.	8.1	43
2	Giant magnetoimpedance: A label-free option for surface effect monitoring. Journal of Applied Physics, 2007, 101, 054505.	2.5	36
3	Ferromagnetic shape memory alloy actuator enabled for nanometric position control using hysteresis compensation. Sensors and Actuators A: Physical, 2012, 182, 122-129.	4.1	30
4	Sensorless Control of SMA-based Actuators Using Neural Networks. Journal of Intelligent Material Systems and Structures, 2010, 21, 1809-1818.	2.5	22
5	Ferromagnetic shape memory alloys for positioning with nanometric resolution. Applied Physics Letters, 2009, 95, .	3.3	19
6	Pulsed-mode operation and performance of a ferromagnetic shape memory alloy actuator. Smart Materials and Structures, 2014, 23, 025023.	3.5	13
7	Micropositioning using shape memory alloy actuators. European Physical Journal: Special Topics, 2008, 158, 231-236.	2.6	11
8	Ferromagnetic Shape Memory Alloy Actuator for Micro- and Nano-Positioning. Sensor Letters, 2009, 7, 348-350.	0.4	8
9	Analysis of the Motion Sickness and the Lack of Comfort in Car Passengers. Applied Sciences (Switzerland), 2022, 12, 3717.	2.5	8
10	Micropositioning control of smart shape memory alloy based actuators. Assembly Automation, 2009, 29, 272-278.	1.7	7
11	FEM simulation of the Nitinol wire. European Physical Journal: Special Topics, 2008, 158, 39-44.	2.6	5
12	Interface electronics for an RF resonance-based displacement sensor. Journal of Physics: Conference Series, 2013, 450, 012017.	0.4	3
13	Controlled-Accuracy Approximation of Nonlinear Functions for Soft Computing Applications: A High Performance Co-processor for Intelligent Embedded Systems. , 2015, , .		3
14	Energy-saving control strategies for a ferromagnetic shape memory alloy based actuator. Sensors and Actuators A: Physical, 2016, 249, 112-121.	4.1	2
15	Diffusional Behavior of New Insulating Gas Mixtures as Alternatives to the SF6-Use in Medium Voltage Switchgear. Applied Sciences (Switzerland), 2022, 12, 1436.	2.5	2
16	A Novel Micro- and Nano-Scale Positioning Sensor Based on Radio Frequency Resonant Cavities. Sensors, 2014, 14, 9615-9627.	3.8	1
17	Reliable and integrated technique for determining resonant frequency in radio frequency resonators. Application to a high-precision resonant cavity-based displacement sensor. Review of Scientific Instruments, 2015, 86, 034709.	1.3	1
18	Design of a new FSMA-based actuator for nanopositioning applications. Proceedings of SPIE, 2012, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Piecewise multi-linear fuzzy extreme learning machine for the implementation of intelligent agents. , 2017, , .		0