Gilbert Santiago CaÃ±Ã³n-BermÃºdez

List of Publications by Year
in descending order

19 papers	939 citations	759233 12 h-index	839539 18 g-index
22 all docs	22 docs citations	22 times ranked	1365 citing authors

#	Article	IF	Citations
1	Wearable Magnetic Field Sensors for Flexible Electronics. Advanced Materials, 2015, 27, 1274-1280.	21.0	201
2	A bimodal soft electronic skin for tactile and touchless interaction in real time. Nature Communications, 2019, 10, 4405.	12.8	188
3	Electronic-skin compasses for geomagnetic field-driven artificial magnetoreception and interactive electronics. Nature Electronics, 2018, 1, 589-595.	26.0	90
4	Magnetosensitive e-skins with directional perception for augmented reality. Science Advances, 2018, 4, eaao2623.	10.3	89
5	Untethered and ultrafast soft-bodied robots. Communications Materials, 2020, 1, .	6.9	86
6	Highly compliant planar Hall effect sensor with sub 200â€‰nT sensitivity. Npj Flexible Electronics, 2019, 3, .	10.7	52
7	Reconfigurable Magnetic Origami Actuators with Onâ€Board Sensing for Guided Assembly. Advanced Materials, 2021, 33, e2008751.	21.0	39
8	Flexible Magnetoreceptor with Tunable Intrinsic Logic for Onâ€Skin Touchless Humanâ€Machine Interfaces. Advanced Functional Materials, 2021, 31, 2101089.	14.9	38
9	Printable and Stretchable Giant Magnetoresistive Sensors for Highly Compliant and Skinâ€Conformal Electronics. Advanced Materials, 2021, 33, e2005521.	21.0	37
10	Intrinsic plasticity of silicon nanowire neurotransistors for dynamic memory and learning functions. Nature Electronics, 2020, 3, 398-408.	26.0	37
11	Magnetosensitive Eâ€Skins for Interactive Devices. Advanced Functional Materials, 2021, 31, 2007788.	14.9	33
12	Magnetic Suspension Array Technology: Controlled Synthesis and Screening in Microfluidic Networks. Small, 2016, 12, 4553-4562.	10.0	19
13	Printable anisotropic magnetoresistance sensors for highly compliant electronics. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	14
14	Dispenser Printed Bismuthâ€Based Magnetic Field Sensors with Nonâ€Saturating Large Magnetoresistance for Touchless Interactive Surfaces. Advanced Materials Technologies, 2022, 7, .	5.8	7
15	Implantable Highly Compliant Devices for Heating of Internal Organs: Toward Cancer Treatment. Advanced Engineering Materials, 2019, 21, 1900407.	3.5	3
16	The Effect of Physiological Incubation on the Properties of Elastic Magnetic Composites for Soft Biomedical Sensors. Sensors, 2021, 21, 7122.	3.8	2
17	Flexible Magnetoreceptors: Flexible Magnetoreceptor with Tunable Intrinsic Logic for Onâ€Skin Touchless Humanâ€Machine Interfaces (Adv. Funct. Mater. 25/2021). Advanced Functional Materials, 2021, 31, 2170184.	14.9	1
18	Droplet Microfluidics: Magnetic Suspension Array Technology: Controlled Synthesis and Screening in Microfluidic Networks (Small 33/2016). Small, 2016, 12, 4580-4580.	10.0	0

#	Article	IF	Citations
19	Magnetoresistive Sensors: Printable and Stretchable Giant Magnetoresistive Sensors for Highly Compliant and Skinâ€Conformal Electronics (Adv. Mater. 12/2021). Advanced Materials, 2021, 33, 2170091.	21.0	0