

Dionisis Sakellariopoulos

List of Publications by Year in descending order

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185
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the analog synaptic properties of forming free SiO ₂ memristors by material engineering. Applied Physics Letters, 2021, 118, .	1.5	20
2	Impact of Active Electrode on the Synaptic Properties of SiO ₂ -Based Forming-Free Conductive Bridge Memory. IEEE Transactions on Electron Devices, 2021, 68, 1598-1603.	1.6	15
3	Highly Flexible Artificial Synapses from SiO ₂ -Based Conductive Bridge Memristors and Pt Nanoparticles through a Crack Suppression Technique. ACS Applied Electronic Materials, 2021, 3, 2729-2737.	2.0	7
4	Investigating the origins of ultra-short relaxation times of silver filaments in forming-free SiO ₂ -based conductive bridge memristors. Nanotechnology, 2020, 31, 454002.	1.3	34
5	Spatial Confinement Effects of Embedded Nanocrystals on Multibit and Synaptic Properties of Forming Free SiO ₂ -Based Conductive Bridge Random Access Memory. IEEE Electron Device Letters, 2020, 41, 1013-1016.	2.2	13
6	Enhancing the synaptic properties of low-power and forming-free HfO _x /TaO _y /HfO _x resistive switching devices. Microelectronic Engineering, 2020, 229, 111358.	1.1	22
7	Impact of Pt embedded nanocrystals on the resistive switching and synaptic properties of forming free TiO _{2-x} /TiO _{2-y} -based bilayer structures. Journal of Applied Physics, 2019, 126, .	1.1	24
8	Engineering amorphous-crystalline interfaces in TiO _{2-x} /TiO _{2-y} -based bilayer structures for enhanced resistive switching and synaptic properties. Journal of Applied Physics, 2016, 120, .	1.1	38
9	Improving the resistive switching uniformity of forming-free TiO _{2-x} and TiO _{2-y} -based devices by embedded Pt nanocrystals. , 2015, , .		5