

Miklos Csontos

List of Publications by Year in descending order

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932766

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docs citations

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566
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced ferromagnetism in (In,Mn)Sb dilute magnetic semiconductor. Nature Materials, 2005, 4, 447-449.	13.3	82
2	Magnetic Scattering of Spin Polarized Carriers in (In,Mn)Sb Dilute Magnetic Semiconductor. Physical Review Letters, 2005, 95, 227203.	2.9	49
3	Anomalous Hall Effect in the (In,Mn)Sb Dilute Magnetic Semiconductor. Physical Review Letters, 2008, 100, 107201.	2.9	38
4	Non-exponential resistive switching in Ag ₂ S memristors: a key to nanometer-scale non-volatile memory devices. Nanoscale, 2015, 7, 4394-4399.	2.8	32
5	Asymmetry-induced resistive switching in Ag-Ag ₂ S-Ag memristors enabling a simplified atomic-scale memory design. Scientific Reports, 2016, 6, 30775.	1.6	30
6	A fast operation of nanometer-scale metallic memristors: highly transparent conductance channels in Ag ₂ S devices. Nanoscale, 2014, 6, 2613-2617.	2.8	23
7	Multiple Physical Time Scales and Dead Time Rule in Few-Nanometers Sized Graphene/SiO _x -Graphene Memristors. Nano Letters, 2017, 17, 6783-6789.	4.5	20
8	Resistive switching in metallic Ag ₂ S memristors due to a local overheating induced phase transition. Nanoscale, 2015, 7, 11248-11254.	2.8	19
9	Universal 1/f type current noise of Ag filaments in redox-based memristive nanojunctions. Nanoscale, 2019, 11, 4719-4725.	2.8	19
10	Noise Tailoring in Memristive Filaments. ACS Applied Materials & Interfaces, 2021, 13, 7453-7460.	4.0	16
11	Effect of hydrostatic pressure on the transport properties in magnetic semiconductors. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3571-3574.	0.8	11
12	Enhanced granular magnetoresistance due to ferromagnetic layers. Solid State Communications, 2003, 126, 427-429.	0.9	7
13	Improved thermal relaxation method for the simultaneous measurement of the specific heat and thermal conductivity. European Physical Journal B, 2010, 74, 27-33.	0.6	7
14	Breaking the Quantum PIN Code of Atomic Synapses. Nano Letters, 2020, 20, 1192-1200.	4.5	7
15	Nanosecond resistive switching in Ag/Ag/PtIr nanojunctions. Beilstein Journal of Nanotechnology, 2020, 11, 92-100.	1.5	7
16	Noise diagnostics of graphene interconnects for atomic-scale electronics. Npj 2D Materials and Applications, 2021, 5, .	3.9	7
17	In situ impedance matching in Nb/Nb ₂ O ₅ /PtIr memristive nanojunctions for ultra-fast neuromorphic operation. Nanoscale, 2018, 10, 19290-19296.	2.8	6
18	A non-oxidizing fabrication method for lithographic break junctions of sensitive metals. Nanoscale Advances, 2020, 2, 3829-3833.	2.2	0