

Saurabh Kumar Bose

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1844050/publications.pdf>

Version: 2024-02-01

21
papers

458
citations

933447

10
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromorphic behaviour in discontinuous metal films. <i>Nanoscale Horizons</i> , 2022, 7, 437-445.	8.0	4
2	Stochastic Spiking Behavior in Neuromorphic Networks Enables True Random Number Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52861-52870.	8.0	14
3	Long-range temporal correlations in scale-free neuromorphic networks. <i>Network Neuroscience</i> , 2020, 4, 432-447.	2.6	36
4	Atomic Scale Dynamics Drive Brain-like Avalanches in Percolating Nanostructured Networks. <i>Nano Letters</i> , 2020, 20, 3935-3942.	9.1	46
5	Avalanches and criticality in self-organized nanoscale networks. <i>Science Advances</i> , 2019, 5, eaaw8438.	10.3	68
6	Synaptic dynamics in complex self-assembled nanoparticle networks. <i>Faraday Discussions</i> , 2019, 213, 471-485.	3.2	24
7	Stable Self-Assembled Atomic-Switch Networks for Neuromorphic Applications. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 5194-5201.	3.0	41
8	Evolution of a designless nanoparticle network into reconfigurable Boolean logic. <i>Nature Nanotechnology</i> , 2015, 10, 1048-1052.	31.5	117
9	Tuning the Kondo effect in thin Au films by depositing a thin layer of Au on molecular spin-dopants. <i>Nanotechnology</i> , 2013, 24, 375204.	2.6	4
10	Magnetoresistance studies of MeV ranged 1H+ and 12C+ ion irradiated HOPG flakes. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3887-3892.	2.3	1
11	Tunable doping of a metal with molecular spins. <i>Nature Nanotechnology</i> , 2012, 7, 232-236.	31.5	29
12	Flux-closure pattern in a two-dimensional NbN/Fe superconductor-ferromagnet nanocomposite: Anisotropy of the angular magnetoresistance. <i>Journal of Applied Physics</i> , 2010, 108, 103916.	2.5	0
13	Robust coupling of superconducting order parameter in a mesoscale NbN/Fe/NbN epitaxial structure. <i>Applied Physics Letters</i> , 2009, 95, 042507.	3.3	2
14	Design and fabrication of cryogenic probe for penetration depth measurements down to 1.8 K. <i>Journal of Physics: Conference Series</i> , 2009, 150, 012005.	0.4	0
15	Percolative spin-dependent transport in mesoscopic epitaxial Fe plaquettes of tailored connectivity. <i>Physical Review B</i> , 2008, 78, .	3.2	3
16	Correlations between morphology, crystal structure, and magnetization of epitaxial cobalt-platinum films grown with pulsed laser ablation. <i>Journal of Applied Physics</i> , 2008, 103, 023915.	2.5	19
17	Lattice-mismatch-induced granularity in CoPt-NbN and NbN-CoPt superconductor-ferromagnet heterostructures: Effect of strain. <i>Physical Review B</i> , 2008, 77, .	3.2	6
18	Stress-induced competing ferromagnetic and antiferromagnetic orders in epitaxial films of A-type antiferromagnet La _{0.45} Sr _{0.55} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 226204.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Growth of [110] $\text{La}_2\text{Sr}_1\text{MnO}_3\text{-YBa}_2\text{Cu}_3\text{O}_7$ heterostructures. Applied Physics Letters, 2006, 89, 1825083.3		5
20	Giant coercivity nanodots and fractals in CoPt films grown on (001) SrTiO_3 using pulsed laser deposition. Applied Physics Letters, 2006, 89, 202511.	3.3	21
21	Self-organized nanoscale networks: are neuromorphic properties conserved in realistic device geometries?. Neuromorphic Computing and Engineering, 0, , .	5.9	6