

# Gyorgy Csaba

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1240849/gyorgy-csaba-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168 papers	4,038 citations	31 h-index	58 g-index
186 ext. papers	4,673 ext. citations	3.1 avg, IF	5.49 L-index

#	Paper	IF	Citations
168	Majority logic gate for magnetic quantum-dot cellular automata. <i>Science</i> , <b>2006</b> , 311, 205-8	33.3	748
167	Nanocomputing by field-coupled nanomagnets. <i>IEEE Nanotechnology Magazine</i> , <b>2002</b> , 1, 209-213	2.6	159
166	Nanomagnet logic: progress toward system-level integration. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 493202	1.8	128
165	The Bistable Ring PUF: A new architecture for strong Physical Unclonable Functions <b>2011</b> ,		119
164	Perspectives of using spin waves for computing and signal processing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2017</b> , 381, 1471-1476	2.3	104
163	Nanopatterning reconfigurable magnetic landscapes via thermally assisted scanning probe lithography. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 545-551	28.7	97
162	Magnetic Quantum-Dot Cellular Automata: Recent Developments and Prospects. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2008</b> , 3, 55-68	1.3	90
161	Coupled-Oscillator Associative Memory Array Operation for Pattern Recognition. <i>IEEE Journal on Exploratory Solid-State Computational Devices and Circuits</i> , <b>2015</b> , 1, 85-93	2.4	88
160	Magnetic QCA systems. <i>Microelectronics Journal</i> , <b>2005</b> , 36, 619-624	1.8	77
159	Spin-orbit torque-assisted switching in magnetic insulator thin films with perpendicular magnetic anisotropy. <i>Nature Communications</i> , <b>2016</b> , 7, 12688	17.4	71
158	Majority Gate for Nanomagnetic Logic With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4336-4339	2	71
157	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	69
156	Roadmap on all-optical processing. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 063001	1.7	63
155	Coupled oscillators for computing: A review and perspective. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 011302	17.3	63
154	Behavior of Nanomagnet Logic in the presence of thermal noise <b>2010</b> ,		61
153	Simulation of Power Gain and Dissipation in Field-Coupled Nanomagnets. <i>Journal of Computational Electronics</i> , <b>2005</b> , 4, 105-110	1.8	56
152	Experimental Demonstration of a 1-Bit Full Adder in Perpendicular Nanomagnetic Logic. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4464-4467	2	54

151	Investigation of shape-dependent switching of coupled nanomagnets. <i>Superlattices and Microstructures</i> , <b>2003</b> , 34, 513-518	2.8	54
150	A computing architecture composed of field-coupled single domain nanomagnets clocked by magnetic field. <i>International Journal of Circuit Theory and Applications</i> , <b>2003</b> , 31, 67-82	2	54
149	Spin-wave based realization of optical computing primitives. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17C7415	4.5	53
148	Majority logic gate for 3D magnetic computing. <i>Nanotechnology</i> , <b>2014</b> , 25, 335202	3.4	51
147	Simulation of Field Coupled Computing Architectures Based on Magnetic Dot Arrays. <i>Journal of Computational Electronics</i> , <b>2002</b> , 1, 87-91	1.8	49
146	Applications of High-Capacity Crossbar Memories in Cryptography. <i>IEEE Nanotechnology Magazine</i> , <b>2011</b> , 10, 489-498	2.6	48
145	Activity in field-coupled nanomagnet arrays. <i>International Journal of Circuit Theory and Applications</i> , <b>2007</b> , 35, 281-293	2	47
144	Computational Study of Spin-Torque Oscillator Interactions for Non-Boolean Computing Applications. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4447-4451	2	40
143	Nanomagnetic Logic: Error-Free, Directed Signal Transmission by an Inverter Chain. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4332-4335	2	40
142	Controlled reversal of Co/Pt Dots for nanomagnetic logic applications. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07A715	2.5	39
141	Magnetic Ordering of Focused-Ion-Beam Structured Cobalt-Platinum Dots for Field-Coupled Computing. <i>IEEE Nanotechnology Magazine</i> , <b>2008</b> , 7, 316-320	2.6	38
140	Experimental Realization of a Nanomagnet Full Adder Using Slanted-Edge Magnets. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4452-4455	2	37
139	Magnetization switching using topological surface states. <i>Science Advances</i> , <b>2019</b> , 5, eaaw3415	14.3	33
138	Read-Out Design Rules for Molecular Crossbar Architectures. <i>IEEE Nanotechnology Magazine</i> , <b>2009</b> , 8, 369-374	2.6	32
137	Nanoscale spectrum analyzer based on spin-wave interference. <i>Scientific Reports</i> , <b>2017</b> , 7, 9245	4.9	31
136	Physical Implementation of Coherently Coupled Oscillator Networks. <i>IEEE Journal on Exploratory Solid-State Computational Devices and Circuits</i> , <b>2015</b> , 1, 76-84	2.4	30
135	Systolic Pattern Matching Hardware With Out-of-Plane Nanomagnet Logic Devices. <i>IEEE Nanotechnology Magazine</i> , <b>2013</b> , 12, 399-407	2.6	30
134	. <i>Proceedings of the IEEE</i> , <b>2019</b> , 107, 73-89	14.3	30

133	Towards a Signal Crossing in Double-Layer Nanomagnetic Logic. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4468-4471	2	29
132	Field-coupled nanomagnets for interconnect-free nonvolatile computing <b>2009</b> ,		29
131	Implementation of a nanomagnetic full adder circuit <b>2011</b> ,		28
130	Signal crossing in perpendicular nanomagnetic logic. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17E510	2.5	27
129	Nanomagnetic Logic: Demonstration of directed signal flow for field-coupled computing devices <b>2011</b> ,		27
128	Spin torque oscillator models for applications in associative memories <b>2012</b> ,		26
127	Information transport in field-coupled nanomagnetic logic devices. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17B902	2.5	25
126	Conjugated 12 nm long oligomers as molecular wires in nanoelectronics. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3899		25
125	1-Bit Full Adder in Perpendicular Nanomagnetic Logic using a Novel 5-Input Majority Gate. <i>EPJ Web of Conferences</i> , <b>2014</b> , 75, 05001	0.3	24
124	On-chip Extraordinary Hall-effect sensors for characterization of nanomagnetic logic devices. <i>Solid-State Electronics</i> , <b>2010</b> , 54, 1027-1032	1.7	24
123	Field-coupled computing in magnetic multilayers. <i>Journal of Computational Electronics</i> , <b>2008</b> , 7, 454-457	1.8	22
122	Simulation of ZnO diodes for application in non-volatile crossbar memories. <i>Journal of Computational Electronics</i> , <b>2008</b> , 7, 146-150	1.8	22
121	Towards on-chip clocking of perpendicular Nanomagnetic Logic. <i>Solid-State Electronics</i> , <b>2014</b> , 102, 46-51	1.7	21
120	Nanomagnet Logic from Partially Irradiated Co/Pt Nanomagnets. <i>IEEE Nanotechnology Magazine</i> , <b>2012</b> , 11, 97-104	2.6	21
119	Low Temperature Rectifying Junctions for Crossbar Non-Volatile Memory Devices <b>2009</b> ,		19
118	Security Applications of Diodes with Unique Current-Voltage Characteristics. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 328-335	0.9	19
117	Nanomagnetic logic clocked in the MHz regime <b>2013</b> ,		18
116	Controlled domain wall motion in micron-scale permalloy square rings. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 19, 240-245	3	18

115	Nanoscale neural network using non-linear spin-wave interference. <i>Nature Communications</i> , <b>2021</b> , 12, 6422	17.4	18
114	Nanomagnetic logic: compact modeling of field-coupled computing devices for system investigations. <i>Journal of Computational Electronics</i> , <b>2011</b> , 10, 352-359	1.8	17
113	Random pn-junctions for physical cryptography. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 172103	3.4	17
112	Switching behavior of lithographically fabricated nanomagnets for logic applications. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07B911	2.5	17
111	A monolithic 3D integrated nanomagnetic co-processing unit. <i>Solid-State Electronics</i> , <b>2016</b> , 115, 74-80	1.7	16
110	Power dissipation in nanomagnetic logic devices		16
109	Development of CAD tools for nanomagnetic logic devices. <i>International Journal of Circuit Theory and Applications</i> , <b>2013</b> , 41, 634-645	2	15
108	Physical unclonable functions based on crossbar arrays for cryptographic applications. <i>International Journal of Circuit Theory and Applications</i> , <b>2013</b> , 41, 619-633	2	15
107	Clocking Schemes for Field Coupled Devices from Magnetic Multilayers <b>2009</b> ,		15
106	Electrical input structures for nanomagnetic logic devices. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E341	2.5	15
105	. <i>IEEE Transactions on Magnetism</i> , <b>2012</b> , 48, 3292-3295	2	15
104	Flux-Closure Magnetic States in Triangular Cobalt Ring Elements. <i>IEEE Transactions on Magnetism</i> , <b>2006</b> , 42, 3641-3644	2	15
103	Towards Electrical, Integrated Implementations of SIMPL Systems. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 277-292	0.9	15
102	Simulation of Magnetization Reversal and Domain-Wall Trapping in Submicron Permalloy Wires With Different Wire Geometries. <i>IEEE Nanotechnology Magazine</i> , <b>2012</b> , 11, 682-686	2.6	14
101	An Associative Memory with oscillatory CNN arrays using spin torque oscillator cells and spin-wave interactions architecture and End-to-end Simulator <b>2012</b> ,		14
100	Modeling of coupled spin torque oscillators for applications in associative memories <b>2012</b> ,		14
99	Speeding up nanomagnetic logic by DMI enhanced Pt/Co/Ir films. <i>AIP Advances</i> , <b>2018</b> , 8, 056310	1.5	13
98	Computing architecture composed of next-neighbour-coupled optically pumped nanodevices. <i>International Journal of Circuit Theory and Applications</i> , <b>2001</b> , 29, 73-91	2	13

97	Switching Behavior of Sharply Pointed Nanomagnets for Logic Applications. <i>IEEE Transactions on Magnetism</i> , <b>2013</b> , 49, 3549-3552	2	12
96	Hybrid yttrium iron garnet-ferromagnet structures for spin-wave devices. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17E101	2.5	12
95	Controlled domain wall pinning in nanowires with perpendicular magnetic anisotropy by localized fringing fields. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D506	2.5	12
94	Synchronization in cellular spin torque oscillator arrays <b>2012</b> ,		12
93	Domain-Wall Assisted Switching of Single-Domain Nanomagnets. <i>IEEE Transactions on Magnetism</i> , <b>2012</b> , 48, 3563-3566	2	12
92	Compensation of orange-peel coupling effect in magnetic tunnel junction free layer via shape engineering for nanomagnet logic applications. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B902	2.5	11
91	Threshold Gate-Based Circuits From Nanomagnetic Logic. <i>IEEE Nanotechnology Magazine</i> , <b>2014</b> , 13, 990-996	2.5	11
90	Compact modeling of perpendicular nanomagnetic logic based on threshold gates. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D104	2.5	11
89	Direct Measurement of Magnetic Coupling Between Nanomagnets for Nanomagnetic Logic Applications. <i>IEEE Transactions on Magnetism</i> , <b>2012</b> , 48, 4402-4405	2	11
88	Linear Circuit Models for On-Chip Quantum Electrodynamics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 65-71	4.1	10
87	Clocking magnetic field-coupled devices by domain walls. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E337	2.5	10
86	Computing with Coupled Oscillators: Theory, Devices, and Applications <b>2018</b> ,		9
85	Edge-Mode Resonance-Assisted Switching of Nanomagnet Logic Elements. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-4	2	9
84	Field-coupled computing: Investigating the properties of ferromagnetic nanodots. <i>Solid-State Electronics</i> , <b>2011</b> , 65-66, 240-245	1.7	9
83	Nanomagnet Logic (NML). <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 21-32	0.9	9
82	Spin wave eigenmodes in single and coupled sub-150 nm rectangular permalloy dots. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A316	2.5	8
81	Error analysis for ultra dense nanomagnet logic circuits. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A906	2.5	8
80	Design of On-Chip Readout Circuitry for Spin-Wave Devices. <i>IEEE Magnetism Letters</i> , <b>2017</b> , 8, 1-4	1.6	8

79	Non-boolean computing based on linear waves and oscillators <b>2015</b> ,		8
78	Boolean and non-boolean nearest neighbor architectures for out-of-plane nanomagnet logic <b>2012</b> ,		8
77	Exploring the Design of the Magnetic/Electrical Interface for Nanomagnet Logic. <i>IEEE Nanotechnology Magazine</i> , <b>2013</b> , 12, 203-214	2.6	8
76	Programmable Input for Nanomagnetic Logic Devices. <i>EPJ Web of Conferences</i> , <b>2013</b> , 40, 16007	0.3	8
75	Analysis of the hysteretic behavior of silicon nanowire transistors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 27-30		8
74	Design of a CMOS integrated on-chip oscilloscope for spin wave characterization. <i>AIP Advances</i> , <b>2017</b> , 7, 056016	1.5	7
73	Waveguides as sources of short-wavelength spin waves for low-energy ICT applications. <i>European Physical Journal B</i> , <b>2018</b> , 91, 1	1.2	7
72	Coherent precession in arrays of dipolar-coupled soft magnetic nanodots. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 243905	2.5	7
71	Ultra-low volume ferromagnetic nanodots for field-coupled computing devices <b>2010</b> ,		7
70	CIRCUIT-BASED APPROACHES TO SIMPL SYSTEMS. <i>Journal of Circuits, Systems and Computers</i> , <b>2011</b> , 20, 107-123	0.9	7
69	Characterizing magnetic field-coupled computing devices by the Extraordinary Hall-effect <b>2009</b> ,		7
68	Circuit modelling of coupling between nanosystems and microwave coplanar waveguides. <i>International Journal of Circuit Theory and Applications</i> , <b>2007</b> , 35, 315-324	2	7
67	Magnetic Quantum-Dot Cellular Automata (MQCA) <b>2006</b> , 269-276		7
66	Neural network based on parametrically-pumped oscillators <b>2016</b> ,		7
65	. <i>IEEE Magnetism Letters</i> , <b>2018</b> , 9, 1-5	1.6	7
64	Simulation of coupled spin torque oscillators for pattern recognition. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 152128	2.5	7
63	Exchange coupling between laterally adjacent nanomagnets. <i>Nanotechnology</i> , <b>2016</b> , 27, 395202	3.4	6
62	Nanomagnet Fabrication Using Nanoimprint Lithography and Electrodeposition. <i>IEEE Nanotechnology Magazine</i> , <b>2013</b> , 12, 547-552	2.6	6

61	Power reduction in nanomagnet logic using high-permeability dielectrics. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17B906	2.5	6
60	Making non-volatile nanomagnet logic non-volatile <b>2012</b> ,		6
59	Extraordinary Hall-effect sensor in split-current design for readout of magnetic field-coupled logic devices <b>2008</b> ,		6
58	The simulation of molecular and organic devices: a critical review and look at future developments. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 87, 593-598	2.6	6
57	Focused ion beam structured Co/Pt multilayers for field-coupled magnetic computing. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 998, 1		6
56	Application of mesoscopic magnetic rings for logic devices		6
55	Experimental demonstration of a concave grating for spin waves in the Rowland arrangement. <i>Scientific Reports</i> , <b>2021</b> , 11, 14239	4.9	6
54	Characterization of nonlinear spin-wave interference by reservoir-computing metrics. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 112403	3.4	6
53	Towards nonvolatile magnetic crossbar arrays: A three-dimensional-integrated field-coupled domain wall gate with perpendicular anisotropy. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17D507	2.5	5
52	Robustness of majority gates based on nanomagnet logic. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 460, 432-437	2.8	5
51	A Nanomagnet Logic Field-Coupled Electrical Input. <i>IEEE Nanotechnology Magazine</i> , <b>2013</b> , 12, 734-742	2.6	5
50	Nanomagnetic logic: from magnetic ordering to magnetic computing 301-334		5
49	Domain wall gate for magnetic logic and memory applications with perpendicular anisotropy <b>2013</b> ,		5
48	Investigation of antiferromagnetic ordering along chains of coupled nanomagnets		5
47	Efficient electromagnetic transducers for spin-wave devices. <i>Scientific Reports</i> , <b>2021</b> , 11, 18378	4.9	5
46	Low-power 3D integrated ferromagnetic computing <b>2015</b> ,		4
45	Closely spaced nanomagnets by dual e-beam exposure for low-energy nanomagnet logic. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17B904	2.5	4
44	Distance Computation Based on Coupled Spin-Torque Oscillators: Application to Image Processing. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	4



43	Study of switching behavior of exchange-coupled nanomagnets by transverse magnetization metrology. <i>AIP Advances</i> , <b>2017</b> , 7, 056321	1.5	3
42	Design of a 40-nm CMOS integrated on-chip oscilloscope for 5-50 GHz spin wave characterization. <i>AIP Advances</i> , <b>2018</b> , 8, 056001	1.5	3
41	On the discrimination between nucleation and propagation in nanomagnetic logic devices. <i>AIP Advances</i> , <b>2018</b> , 8, 056003	1.5	3
40	Demonstration of Field-Coupled Input Scheme on Line of Nanomagnets. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4460-4463	2	3
39	Minimum-energy state guided physical design for nanomagnet logic <b>2013</b> ,		3
38	Device-level compact modeling of perpendicular Nanomagnetic Logic for benchmarking purposes <b>2015</b> ,		3
37	Spin-wave-based computing devices <b>2014</b> ,		3
36	Nanomagnet Logic Gate With Programmable-Electrical Input. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	3
35	Design of a systolic pattern matcher for Nanomagnet Logic <b>2012</b> ,		3
34	Development of a highly parallelized micromagnetic simulator on graphics processors <b>2010</b> ,		3
33	Computational model of partially irradiated nanodots for field-coupled computing devices <b>2010</b> ,		3
32	Characterization of the bistable ring PUF <b>2012</b> ,		3
31	Restoration of Magnetization Distributions from Joint Magnetic Force Microscopy Measurements and Micromagnetic Simulations. <i>Journal of Computational Electronics</i> , <b>2003</b> , 2, 225-229	1.8	3
30	Field-coupled nanomagnets for logic applications <b>2005</b> , 5838, 162		3
29	Experiment-based thermal micromagnetic simulations of the magnetization reversal for ns-range clocked nanomagnetic logic. <i>AIP Advances</i> , <b>2017</b> , 7, 056625	1.5	2
28	Nanomagnet Logic: Computing by magnetic ordering. <i>IEEE Nanotechnology Magazine</i> , <b>2020</b> , 14, 6-13	1.7	2
27	Shape-Dependent Switching Behavior of Exchange-Coupled Nanomagnet Stacks. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-5	2	2
26	Domain-Wall-Assisted Switching of Chains of Coupled Nanomagnets. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	2

25	Error analysis of Co/Pt multilayer based Nanomagnetic Logic <b>2011</b> ,		2
24	Modeling of circuits and architectures for molecular electronics. <i>Journal of Computational Electronics</i> , <b>2009</b> , 8, 410-426	1.8	2
23	Micromagnetic simulation of current-driven domain wall propagation. <i>Journal of Computational Electronics</i> , <b>2007</b> , 6, 121-124	1.8	2
22	The role of field coupling in nano-scale cellular nonlinear networks. <i>International Journal of Neural Systems</i> , <b>2003</b> , 13, 387-95	6.2	2
21	Nanomagnet Logic (NML). <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 21-32	0.9	2
20	Fabrication of pseudo-spin-valve giant magnetoresistance arrays for nanomagnet logic by liftoff and the snow-jet process. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2015</b> , 33, 022801	1.3	1
19	Cellular Automata designs for out of plane Nanomagnet Logic <b>2014</b> ,		1
18	Holographic algorithms for on-chip, non-boolean computing <b>2014</b> ,		1
17	Contiguous clock lines for pipelined nanomagnet logic. <i>Journal of Computational Electronics</i> , <b>2014</b> , 13, 763-768	1.8	1
16	Dynamic coupling of spin torque oscillators for associative memories <b>2014</b> ,		1
15	Towards nanomagnetic logic systems: A programmable arithmetic logic unit for systolic array-based computing (Invited) <b>2015</b> ,		1
14	Analog circuits based on the synchronization of field-line coupled spin-torque oscillators <b>2015</b> ,		1
13	Domain wall assisted ordering of coupled nanomagnets. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D510	2.5	1
12	Nanomagnetic logic: Investigations on field-coupled computing devices by experiment-based compact modeling <b>2011</b> ,		1
11	Power reduction in nanomagnetic logic clocking through high permeability dielectrics <b>2012</b> ,		1
10	Circuit modeling of flux qubits interacting with superconducting waveguides. <i>Journal of Computational Electronics</i> , <b>2007</b> , 6, 105-108	1.8	1
9	Design and Simulation of Novel Architectures for Nanodevices <b>2007</b> ,		1
8	Noise Immunity of Oscillatory Computing Devices. <i>IEEE Journal on Exploratory Solid-State Computational Devices and Circuits</i> , <b>2020</b> , 6, 164-169	2.4	1

6	Design of an ultra-wideband low-noise amplifier for spin wave readout circuitry in 65 nm CMOS technology <b>2016</b> ,	1
5	Nanomagnet Logic: A Magnetic Implementation of Quantum-dot Cellular Automata <b>2014</b> , 417-442	0
4	Simulation of Coplanar Devices Accessing Nano Systems. <i>Springer Proceedings in Physics</i> , <b>2008</b> , 361-374	0.2
3	Implementation of a Nanomagnet Full Adder Circuit <b>2017</b> , 765-777	
2	Nanosession: Logic Devices and Circuit Design 185-195	