Mitsuki Ito

List of Publications by Year
in descending order

20 papers	74 citations	1684188 5 h-index	1588992 8 g-index
20 all docs	20 docs citations	20 times ranked	25 citing authors

#	Article	IF	Citations
1	Structural tuning of nanogaps using electromigration induced by field emission current with bipolar biasing. Journal of Applied Physics, 2015, 118, .	2.5	9
2	High-throughput nanogap formation by field-emission-induced electromigration. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 051801.	1.2	9
3	Simultaneous fabrication of nanogap electrodes using field-emission-induced electromigration. Journal of Applied Physics, 2015, 118, .	2.5	9
4	Investigation of electromigration induced by field emission current flowing through Au nanogaps in ambient air. Journal of Applied Physics, 2017, 122, .	2.5	8
5	Control Parameters for Fabrication of Single-Electron Transistors Using Field-Emission-Induced Electromigration. Journal of Nanoscience and Nanotechnology, 2013, 13, 993-996.	0.9	6
6	Fabrication of atomic junctions with experimental parameters optimized using ground-state searches of Ising spin computing. Scientific Reports, 2019, 9, 16211.	3.3	6
7	Memory properties of electromigrated Au nanogaps to realize reservoir computing. Applied Physics Letters, 2021, 119, .	3.3	6
8	Fabrication of single-electron transistors with electromigrated Ni nanogaps. AIP Advances, 2018, 8, 075210.	1.3	5
9	Gold nanogap-based artificial synapses. Japanese Journal of Applied Physics, 2020, 59, 050601.	1.5	5
10	Synaptic behaviors of electromigrated Au nanogaps. AIP Advances, 2019, 9, 055317.	1.3	4
11	Single-Electron Tunneling Effects in Electromigrated Coulomb Island between Au Nanogaps. , 2018, , .		3
12	Resistive switching effects in electromigrated Ni nanogaps. , 2014, , .		2
13	Simultaneous fabrication of nanogaps using field-emission-induced electromigration. , 2014, , .		1
14	Controlling the tunnel resistance of suspended Ni nanogaps using field-emission-induced electromigration. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 02B107.	1.2	1
15	Simultaneous tuning of tunnel resistance of integrated nanogaps by field-emission-induced electromigration. , 2011, , .		0
16	Conduction mechanism of single-electron transistors fabricated by field-emission-induced electromigration. , 2013, , .		0
17	Structural tuning of nanogaps using field-emission-induced electromigration with bipolar biasing. , 2014, , .		0
18	Field-emission-induced electromigration method for precise tuning of electrical properties of Ni-based single-electron transistors. , 2015, , .		0

#	Article	IF	Citations
19	Simultaneous arrayed formation of single-electron transistors using electromigration in series-connected nanogaps. AIP Advances, 2018, 8, 105005.	1.3	0
20	Multiple-Junction Single-Electron Charging in Electromigrated Series-Connected Nanogaps Operating at Room Temperature. , 2018, , .		0