Nobuhiko Mitoma

List of Publications by Year
in descending order

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24	691	686830 13	610482 24
papers	citations	h-index	g-index

24	24	24	1079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perfluorocycloparaphenylenes. Nature Communications, 2022, 13, .	5.8	16
2	Gate-controlled photo-oxidation of graphene for electronic structure modification. Journal of Materials Chemistry C, 2019, 7, 1904-1912.	2.7	7
3	Hole-transporting materials based on thiophene-fused arenes from sulfur-mediated thienannulations. Materials Chemistry Frontiers, 2018, 2, 275-280.	3.2	16
4	Effect of carbon doping on threshold voltage and mobility of In-Si-O thin-film transistors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 061206.	0.6	5
5	Carbon Nanosheets by Morphologyâ€Retained Carbonization of Twoâ€Dimensional Assembled Anisotropic Carbon Nanorings. Angewandte Chemie - International Edition, 2018, 57, 9679-9683.	7.2	80
6	Synthesis, properties, and crystal structures of Ï€-extended double [6]helicenes: contorted multi-dimensional stacking lattice. Organic and Biomolecular Chemistry, 2017, 15, 4697-4703.	1.5	61
7	Correlation between active layer thickness and ambient gas stability in IGZO thin-film transistors. Journal Physics D: Applied Physics, 2017, 50, 025102.	1.3	4
8	Phase transitions from semiconductive amorphous to conductive polycrystalline in indium silicon oxide thin films. Applied Physics Letters, 2016, 109, .	1.5	13
9	Codoping of zinc and tungsten for practical high-performance amorphous indium-based oxide thin film transistors. Journal of Applied Physics, 2015, 118, .	1.1	23
10	Influence of Al2O3 layer insertion on the electrical properties of Ga-In-Zn-O thin-film transistors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	6
11	Enhanced sensing response of oxidized graphene formed by UV irradiation in water. Nanotechnology, 2015, 26, 105701.	1.3	10
12	Dopant selection for control of charge carrier density and mobility in amorphous indium oxide thin-film transistors: Comparison between Si- and W-dopants. Applied Physics Letters, 2015, 106, .	1.5	56
13	Suppression of excess oxygen for environmentally stable amorphous In-Si-O thin-film transistors. Applied Physics Letters, 2015, 106, .	1.5	25
14	Reduction of the interfacial trap density of indium-oxide thin film transistors by incorporation of hafnium and annealing process. AIP Advances, 2015, 5, .	0.6	16
15	Stable amorphous In2O3-based thin-film transistors by incorporating SiO2 to suppress oxygen vacancies. Applied Physics Letters, 2014, 104, .	1.5	83
16	Low-temperature processable amorphous In-W-O thin-film transistors with high mobility and stability. Applied Physics Letters, 2014, 104, 152103.	1.5	79
17	Controllable film densification and interface flatness for high-performance amorphous indium oxide based thin film transistors. Applied Physics Letters, 2014, 105, .	1.5	9
18	Spin injection and detection in a graphene lateral spin valve using an yttrium-oxide tunneling barrier. Applied Physics Express, 2014, 7, 085101.	1.1	6

#	Article	IF	Citations
19	Self-formed copper oxide contact interlayer for high-performance oxide thin film transistors. Applied Physics Letters, 2014, 105, .	1.5	13
20	Photo-oxidation of Graphene in the Presence of Water. Journal of Physical Chemistry C, 2013, 117, 1453-1456.	1.5	45
21	Gate-controlled ultraviolet photo-etching of graphene edges. Applied Physics Letters, 2013, 103, .	1.5	12
22	Coexistence of Dirac-cone states and superconductivity in iron pnictide Ba(Fe1â^'xRuxAs)2. Physical Review B, 2011, 84, .	1.1	27
23	Analysis of Degradation in Graphene-Based Spin Valves. Applied Physics Express, 2009, 2, 123004.	1.1	9
24	Robustness of Spin Polarization in Grapheneâ€Based Spin Valves. Advanced Functional Materials, 2009, 19, 3711-3716.	7.8	70