

Byeonghoon Kim

List of Publications by Year in descending order

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17
papers

330
citations

840776

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888059

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g-index

17
all docs

17
docs citations

17
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Band Gap and Optical Transition of Metal Ion Modified Double Crossover DNA Lattices. ACS Applied Materials & Interfaces, 2014, 6, 17599-17605.	8.0	43
2	A novel nanometric DNA thin film as a sensor for alpha radiation. Scientific Reports, 2013, 3, 2062.	3.3	37
3	A two-dimensional DNA lattice implanted polymer solar cell. Nanotechnology, 2011, 22, 375202.	2.6	35
4	Magnetic Characteristics of Copper Ion-Modified DNA Thin Films. Scientific Reports, 2013, 3, 1819.	3.3	35
5	A 2D DNA Lattice as an Ultrasensitive Detector for Beta Radiations. ACS Applied Materials & Interfaces, 2014, 6, 2974-2979.	8.0	32
6	Electrical Responses of Artificial DNA Nanostructures on Solution-Processed In-Ga-Zn-O Thin-Film Transistors with Multistacked Active Layers. ACS Applied Materials & Interfaces, 2013, 5, 98-102.	8.0	27
7	Artificial DNA nanostructure detection using solution-processed In-Ga-Zn-O thin-film transistors. Applied Physics Letters, 2012, 100, .	3.3	25
8	Growth and restoration of a T-tile-based 1D DNA nanotrack. Chemical Communications, 2011, 47, 11053.	4.1	17
9	Ternary and senary representations using DNA double-crossover tiles. Nanotechnology, 2014, 25, 105601.	2.6	14
10	DNA reusability and optoelectronic characteristics of streptavidin-conjugated DNA crystals on a quartz substrate. RSC Advances, 2015, 5, 39409-39415.	3.6	14
11	Assembly of a tile-based multilayered DNA nanostructure. Nanoscale, 2015, 7, 6492-6497.	5.6	13
12	Fabrication of zigzag and folded DNA nanostructures by an angle control scheme. Soft Matter, 2012, 8, 44-47.	2.7	8
13	Fabrication and characterization of PNA-DNA hybrid nanostructures. RSC Advances, 2014, 4, 35554-35558.	3.6	7
14	The restoration of DNA structures by the dry-wet method. Soft Matter, 2012, 8, 619-622.	2.7	6
15	Fabrication of multi-layered DNA nanostructures using single-strand and double-crossover tile connectors. RSC Advances, 2015, 5, 43234-43241.	3.6	6
16	Coverage percentage and raman measurement of cross-tile and scaffold cross-tile based DNA nanostructures. Colloids and Surfaces B: Biointerfaces, 2015, 135, 677-681.	5.0	6
17	Hairpin embedded DNA lattices grown on a mica substrate. RSC Advances, 2013, 3, 19876.	3.6	5