

# Keun Woo Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

431  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Cost Label-Free Electrical Detection of Artificial DNA Nanostructures Using Solution-Processed Oxide Thin-Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10715-10720.	8.0	58
2	Approaches to label-free flexible DNA biosensors using low-temperature solution-processed InZnO thin-film transistors. <i>Biosensors and Bioelectronics</i> , 2014, 55, 99-105.	10.1	56
3	Effects of UV light and carbon nanotube dopant on solution-based indium gallium zinc oxide thin-film transistors. <i>Current Applied Physics</i> , 2011, 11, 280-285.	2.4	43
4	A two-dimensional DNA lattice implanted polymer solar cell. <i>Nanotechnology</i> , 2011, 22, 375202.	2.6	35
5	Magnetic Characteristics of Copper Ion-Modified DNA Thin Films. <i>Scientific Reports</i> , 2013, 3, 1819.	3.3	35
6	Construction and characterization of Cu <sup>2+</sup> , Ni <sup>2+</sup> , Zn <sup>2+</sup> , and Co <sup>2+</sup> -modified-DNA crystals. <i>Nanotechnology</i> , 2015, 26, 275604.	2.6	33
7	Photosensitivity of solution-based indium gallium zinc oxide single-walled carbon nanotubes blend thin film transistors. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	27
8	Light effects of the amorphous indium gallium zinc oxide thin-film transistor. <i>Journal of Information Display</i> , 2009, 10, 171-174.	4.0	24
9	Optical Band Gap and Hall Transport Characteristics of Lanthanide-Ion-Modified DNA Crystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14443-14449.	3.1	24
10	Thin film transistors by solution-based indium gallium zinc oxide/carbon nanotubes blend. <i>Thin Solid Films</i> , 2009, 517, 4011-4014.	1.8	19
11	Tunable near white light photoluminescence of lanthanide ion (Dy <sup>3+</sup> , Eu <sup>3+</sup> and Tb <sup>3+</sup> ) doped DNA lattices. <i>RSC Advances</i> , 2015, 5, 55839-55846.	3.6	19
12	Indium zinc oxide ohmic contact to poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) induced by UV light. <i>Organic Electronics</i> , 2009, 10, 785-790.	2.6	17
13	Hall transport of divalent metal ion modified DNA lattices. <i>Applied Physics Letters</i> , 2015, 106, 263702.	3.3	12
14	Hierarchical Modulation of PEDOT:PSS Buffer Layers for High Efficiency Organic Photovoltaic Devices. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, H447.	2.2	7
15	Memory effects based on random networks of single-walled carbon nanotubes. <i>Nanotechnology</i> , 2009, 20, 405210.	2.6	6
16	The restoration of DNA structures by the dry-wet method. <i>Soft Matter</i> , 2012, 8, 619-622.	2.7	6
17	Self-Selective Separation of Single-Walled Carbon Nanotubes via a Hydroxyl Group Reaction. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, K71.	2.2	3
18	Charge-trap effects of 2D DNA nanostructures implanted in solution-processed InGaZnO thin-film transistor. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 215102.	2.8	3

#	ARTICLE	IF	CITATIONS
19	Effect of Single-Walled Carbon Nanotube Concentration on the Electrical Properties of Solution-Based Indium Gallium Zinc Oxide Thin Film Transistors. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 510, 87/[1221]-95/[1229].	0.9	2
20	Structural Investigation of Hybrid Organic Photovoltaic Devices with Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 111602.	1.5	2