Sanghyun Yoo

List of Publications by Year
in descending order

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14	151	1307594 7	1199594 12
papers	citations	h-index	g-index

14	14	14	131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical Band Gap and Hall Transport Characteristics of Lanthanide-Ion-Modified DNA Crystals. Journal of Physical Chemistry C, 2015, 119, 14443-14449.	3.1	24
2	Demonstration of Arithmetic Calculations by DNA Tile-Based Algorithmic Self-Assembly. ACS Nano, 2020, 14, 5260-5267.	14.6	23
3	Morphological and Optoelectronic Characteristics of Double and Triple Lanthanide Ion-Doped DNA Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 14109-14117.	8.0	21
4	Tunable near white light photoluminescence of lanthanide ion (Dy3+, Eu3+and Tb3+) doped DNA lattices. RSC Advances, 2015, 5, 55839-55846.	3.6	19
5	Phase, current, absorbance, and photoluminescence of double and triple metal ion-doped synthetic and salmon DNA thin films. Nanotechnology, 2017, 28, 405702.	2.6	13
6	Hall transport of divalent metal ion modified DNA lattices. Applied Physics Letters, 2015, 106, 263702.	3.3	12
7	Optoelectrical and mechanical properties of multiwall carbon nanotube-integrated DNA thin films. Nanotechnology, 2019, 30, 245704.	2.6	9
8	Metal and Lanthanide Ion-Co-doped Synthetic and Salmon DNA Thin Films. ACS Omega, 2019, 4, 6530-6537.	3.5	8
9	Layer-dependent characterization of individual and mixed ion-doped multi-layered DNA thin films. Applied Surface Science, 2019, 479, 47-54.	6.1	7
10	Chroma-hue controllable color and thermocolor-added deoxyribonucleic acid films. Thin Solid Films, 2020, 706, 138072.	1.8	5
11	Structural stability and electrical characteristic of DNA lattices doped with lanthanide ions. Current Applied Physics, 2017, 17, 1409-1414.	2.4	4
12	Mechanical characteristics of free-standing DNA thin films tuned by gold nanoparticles, metal and lanthanide ions. Journal of Physics and Chemistry of Solids, 2019, 135, 109104.	4.0	3
13	Large-Scale Fabrication of Copper-Ion-Coated Deoxyribonucleic Acid Hybrid Fibers by Ion Exchange and Self-Metallization. ACS Omega, 2019, 4, 16462-16470.	3.5	3
14	Nanomaterial-Embedded DNA Films on 2D Frames. ACS Applied Bio Materials, 2022, 5, 2812-2818.	4.6	0