

# Young Kuk

## List of Publications by Year in descending order

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51  
papers

3,586  
citations

304743

22  
h-index

206112

48  
g-index

51  
all docs

51  
docs citations

51  
times ranked

6181  
citing authors



#	ARTICLE	IF	CITATIONS
19	Experimental Evidence for $s$ -Wave Pairing Symmetry in Superconducting $\text{Cu}_x\text{Bi}_{1-x}$ Crystals Using a Scanning Tunneling Microscope. <i>Physical Review Letters</i> , 2013, 110, 117001.	7.8	202
20	n-Type Nanostructured Thermoelectric Materials Prepared from Chemically Synthesized Ultrathin $\text{Bi}_2\text{Te}_3$ Nanoplates. <i>Nano Letters</i> , 2012, 12, 640-647.	9.1	239
21	Enhanced Carrier Transport along Edges of Graphene Devices. <i>Nano Letters</i> , 2012, 12, 1839-1844.	9.1	33
22	One-Dimensional Molecular Zippers. <i>Journal of the American Chemical Society</i> , 2011, 133, 9236-9238.	13.7	19
23	Full-colour quantum dot displays fabricated by transfer printing. <i>Nature Photonics</i> , 2011, 5, 176-182.	31.4	997
24	Control of Molecular Rotors by Selection of Anchoring Sites. <i>Physical Review Letters</i> , 2011, 106, 146101.	7.8	26
25	Strain relaxation induced spin reorientation in Fe films on W(110). <i>Applied Physics Letters</i> , 2011, 99, 182501.	3.3	4
26	Formation of unconventional standing waves at graphene edges by valley mixing and pseudospin rotation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18622-18625.	7.1	45
27	High-resolution tunnelling spectroscopy of a graphene quartet. <i>Nature</i> , 2010, 467, 185-189.	27.8	171
28	Invited Review Article: A 10 mK scanning probe microscopy facility. <i>Review of Scientific Instruments</i> , 2010, 81, 121101.	1.3	106
29	Tuning magnetostatic interaction in single-crystalline nanodot arrays with in-plane easy axes. <i>Applied Physics Letters</i> , 2010, 96, 073106.	3.3	6
30	Mapping Atomic Contact between Pentacene and a Au Surface using Scanning Tunneling Spectroscopy. <i>Nano Letters</i> , 2010, 10, 996-999.	9.1	13
31	Quantum Interference Channeling at Graphene Edges. <i>Nano Letters</i> , 2010, 10, 943-947.	9.1	101
32	Geometric and Electronic Structure of Passive CuN Monolayer on Cu(111): A Scanning Tunneling Microscopy and Spectroscopy Study. <i>Journal of the Korean Physical Society</i> , 2010, 56, 620-624.	0.7	3
33	Mapping subsurface structure through atomically thin bismuth films on $\text{Si}(111)\sqrt{7\times 7}$ with scanning tunneling microscope. <i>Surface Science</i> , 2008, 602, 3352-3357.	1.9	3
34	Device fabrication with solid-liquid-solid grown silicon nanowires. <i>Nanotechnology</i> , 2008, 19, 185701.	2.6	31
35	Coulomb interaction among transporting charge carriers confined in two dimensions. <i>Journal of Applied Physics</i> , 2008, 104, 083716.	2.5	4
36	One-dimensional growth of MgO film on $\text{SrTiO}_3(100)$ . <i>Nanotechnology</i> , 2007, 18, 175304.	2.6	5

#	ARTICLE	IF	CITATIONS
37	Molecular freeze frame. <i>Nature Nanotechnology</i> , 2007, 2, 391-392.	31.5	0
38	Donor and acceptor-like electronic states in a one-dimensional semiconductor. <i>Surface Science</i> , 2006, 600, 4937-4940.	1.9	7
39	Conformational Molecular Switch of the Azobenzene Molecule: A Scanning Tunneling Microscopy Study. <i>Physical Review Letters</i> , 2006, 96, 156106.	7.8	358
40	Patterning of ferroelectric nanodot arrays using a silicon nitride shadow mask. <i>Applied Physics Letters</i> , 2005, 87, 113114.	3.3	34
41	Cobalt-poly pyrrole-cobalt nanowire field-effect transistors. <i>Applied Physics Letters</i> , 2005, 86, 213113.	3.3	29
42	Atomic-level strain-relieving mechanism and local electronic structure of a wetting film. <i>Applied Physics Letters</i> , 2005, 87, 123112.	3.3	1
43	Paired Gap States in a Semiconducting Carbon Nanotube: Deep and Shallow Levels. <i>Physical Review Letters</i> , 2005, 95, 166402.	7.8	59
44	Silicon-based field-effect-transistor cantilever for surface potential mapping. <i>Applied Physics Letters</i> , 2003, 83, 386-388.	3.3	10
45	Direct Observation of Localized Defect States in Semiconductor Nanotube Junctions. <i>Physical Review Letters</i> , 2003, 90, 216107.	7.8	100
46	Functionalized One-Dimensional Wires and their Interconnections. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4780-4782.	1.5	1
47	Bandgap modulation of carbon nanotubes by encapsulated metallofullerenes. <i>Nature</i> , 2002, 415, 1005-1008.	27.8	452
48	Characterization of Bimetallic Cantilever for Chemical Sensor Application. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 6555-6557.	1.5	4
49	Stressed C <sub>60</sub> layers on Au(001). <i>Physical Review Letters</i> , 1993, 70, 1948-1951.	7.8	118
50	Field Ion-Scanning Tunneling Microscopy Study of C <sub>60</sub> on the Si(100) Surface. <i>Japanese Journal of Applied Physics</i> , 1992, 31, L880-L883.	1.5	146
51	Optical emission from Ga ionization at a field emitter. <i>Applied Physics Letters</i> , 1980, 36, 957-959.	3.3	13