

Kibog Park

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

908
citations

16
h-index

29
g-index

54
ext. papers

1,065
ext. citations

5.5
avg, IF

3.67
L-index

#	Paper	IF	Citations
49	Low-Cost and Fast-Response Resistive Humidity Sensor Comprising Biopolymer-Derived Carbon Thin Film and Carbon Microelectrodes. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 147511	3.9	5
48	Capacitive Heart-Rate Sensing on Touch Screen Panel with Laterally Interspaced Electrodes. <i>Sensors</i> , 2020 , 20,	3.8	2
47	Multi-Level Capacitive Memory Effect in Metal/Oxide/Floating-Schottky Junction. <i>Journal of the Korean Physical Society</i> , 2019 , 74, 979-983	0.6	1
46	Reduction of water-molecule-induced current-voltage hysteresis in graphene field effect transistor with semi-dry transfer using flexible supporter. <i>Journal of Applied Physics</i> , 2019 , 125, 184302	2.5	6
45	Edge-over MOSFET with poly-Si thin film channel for achieving thermodynamic limit of subthreshold swing in nanometer scale. <i>Semiconductor Science and Technology</i> , 2019 , 34, 095014	1.8	
44	Negative Fermi-Level Pinning Effect of Metal/n-GaAs(001) Junction Induced by a Graphene Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47182-47189	9.5	6
43	Formation of graphene on amorphous SiC film by surface-confined heating with electron beam irradiation. <i>Current Applied Physics</i> , 2018 , 18, 335-339	2.6	1
42	Surface-induced transition of nematic liquid crystals on graphene/SiC substrate. <i>Europhysics Letters</i> , 2018 , 124, 46004	1.6	0
41	One-Dimensional Assembly on Two-Dimensions: AuCN Nanowire Epitaxy on Graphene for Hybrid Phototransistors. <i>Nano Letters</i> , 2018 , 18, 6214-6221	11.5	19
40	Unveiling the Direct Correlation between the CVD-Grown Graphene and the Growth Template. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-6	3.2	3
39	Optical and microstructural properties of InGaN/GaN multiple quantum wells with embedded graphene coating. <i>Journal of Alloys and Compounds</i> , 2017 , 713, 87-94	5.7	
38	Strong Fermi-Level Pinning at Metal/n-Si(001) Interface Ensured by Forming an Intact Schottky Contact with a Graphene Insertion Layer. <i>Nano Letters</i> , 2017 , 17, 44-49	11.5	20
37	Highly-Sensitive Thin Film THz Detector Based on Edge Metal-Semiconductor-Metal Junction. <i>Scientific Reports</i> , 2017 , 7, 16830	4.9	6
36	Growth and Simultaneous Valleys Manipulation of Two-Dimensional MoSe-WSe Lateral Heterostructure. <i>ACS Nano</i> , 2017 , 11, 8822-8829	16.7	40
35	Stretchable Dual-Capacitor Multi-Sensor for Touch-Curvature-Pressure-Strain Sensing. <i>Scientific Reports</i> , 2017 , 7, 10854	4.9	20
34	Growth and characterization of β -Ga ₂ O ₃ thin films by molecular beam epitaxy for deep-UV photodetectors. <i>Journal of Applied Physics</i> , 2017 , 122, 095302	2.5	86
33	Research on flexible display at Ulsan National Institute of Science and Technology. <i>Npj Flexible Electronics</i> , 2017 , 1,	10.7	26

32	On-Display Transparent Half-Diamond Pattern Capacitive Fingerprint Sensor Compatible With AMOLED Display. <i>IEEE Sensors Journal</i> , 2016 , 16, 8124-8131	4	23
31	Giant Electroresistance in Edge Metal-Insulator-Metal Tunnel Junctions Induced by Ferroelectric Fringe Fields. <i>Scientific Reports</i> , 2016 , 6, 30646	4.9	4
30	High-Performance Plasmonic THz Detector Based on Asymmetric FET With Vertically Integrated Antenna in CMOS Technology. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 1742-1748	2.9	27
29	. <i>IEEE Electron Device Letters</i> , 2015 , 36, 220-222	4.4	16
28	Enhanced crystallinity of epitaxial graphene grown on hexagonal SiC surface with molybdenum plate capping. <i>Scientific Reports</i> , 2015 , 5, 9615	4.9	6
27	Growth of wrinkle-free graphene on texture-controlled platinum films and thermal-assisted transfer of large-scale patterned graphene. <i>ACS Nano</i> , 2015 , 9, 679-86	16.7	46
26	Schottky barrier modulation of metal/4H-SiC junction with thin interface spacer driven by surface polarization charge on 4H-SiC substrate. <i>Applied Physics Letters</i> , 2015 , 107, 252101	3.4	11
25	Controllable Synthesis of Graphene-Encapsulated Low-Dimensional Nanocomposites. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500112	4.6	3
24	Highly Flexible Touch Screen Panel Fabricated with Silver Nanowire Crossing Electrodes and Transparent Bridges. <i>Journal of the Optical Society of Korea</i> , 2015 , 19, 508-513		11
23	Photoresponse enhancement of plasmonic terahertz wave detector based on asymmetric silicon MOSFETs with antenna integration. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04EJ05	1.4	11
22	Negative Poisson's ratios in metal nanoplates. <i>Nature Communications</i> , 2014 , 5, 3255	17.4	81
21	Monolithic graphene oxide sheets with controllable composition. <i>Nature Communications</i> , 2014 , 5, 3383	17.4	28
20	Ferroelectric enhancement of La-doped BaTiO ₃ thin films using SrTiO ₃ buffer layer. <i>Thin Solid Films</i> , 2014 , 551, 127-130	2.2	15
19	In situ observations of gas phase dynamics during graphene growth using solid-state carbon sources. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10446-52	3.6	15
18	Facile synthesis of few-layer graphene with a controllable thickness using rapid thermal annealing. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1777-82	9.5	25
17	Design and Characterization of Plasmonic Terahertz Wave Detectors Based on Silicon Field-Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 06FE17	1.4	6
16	One-step graphene coating of heteroepitaxial GaN films. <i>Nanotechnology</i> , 2012 , 23, 435603	3.4	28
15	Near room-temperature synthesis of transfer-free graphene films. <i>Nature Communications</i> , 2012 , 3, 645	17.4	179

14	Logarithmic temperature variations of the elastic constant of barium titanate near the ferroelectric phase transition. <i>Current Applied Physics</i> , 2012 , 12, 1185-1189	2.6	16
13	Ferroelectric phase transitions studied by dielectric and light scattering spectroscopies on Ba _{1-x} CaxTiO ₃ single crystals (x=0.12, 0.20). <i>Ceramics International</i> , 2012 , 38, S21-S24	5.1	3
12	Low-temperature formation of epitaxial graphene on 6H-SiC induced by continuous electron beam irradiation. <i>Applied Physics Letters</i> , 2012 , 101, 092105	3.4	11
11	Dependence of spontaneous polarization on stacking sequence in SiC revealed by local Schottky barrier height variations over a partially formed 8H-SiC layer on a 4H-SiC substrate. <i>Applied Physics Letters</i> , 2011 , 99, 252102	3.4	3
10	Effect of Ca Content on the Acoustic Anomalies of Ba _{1-x} CaxTiO ₃ Single Crystals Studied by Brillouin Light Scattering. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 2575-2578	0.6	2
9	Precursor polar clusters in the paraelectric phase of ferroelectric Ba _{1-x} CaxTiO ₃ single crystals studied by Brillouin light scattering. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 225904	1.8	11
8	Nanometer-resolution measurement and modeling of lateral variations of the effective work function at the bilayer Pt/Al/SiO ₂ interface. <i>Physical Review B</i> , 2009 , 80,	3.3	4
7	Valence band structure and band offset of 3C- and 4H-SiC studied by ballistic hole emission microscopy. <i>Applied Physics Letters</i> , 2006 , 89, 042103	3.4	9
6	Quantum well behavior of single stacking fault 3C inclusions in 4H-SiC p-i-n diodes studied by ballistic electron emission microscopy. <i>Applied Physics Letters</i> , 2005 , 87, 232103	3.4	15
5	Effect of inclined quantum wells on macroscopic capacitance-voltage response of Schottky contacts: Cubic inclusions in hexagonal SiC. <i>Applied Physics Letters</i> , 2005 , 86, 222109	3.4	15
4	Cubic inclusions in 4H-SiC studied with ballistic electron-emission microscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004 , 22, 1351-1355	2.9	2
3	Quantum well state of self-forming 3C SiC inclusions in 4H SiC determined by ballistic electron emission microscopy. <i>Physical Review B</i> , 2004 , 69,	3.3	30
2	Simulations of denuded-zone formation during growth on surfaces with anisotropic diffusion. <i>Physical Review B</i> , 2003 , 68,	3.3	8
1	C60 Adsorbed on TiO ₂ Drives Dark Generation of Hydroxyl Radicals. <i>ACS Catalysis</i> , 5990-5996	13.1	0