Giwan Yoon

List of Publications by Year
in descending order

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35	306	933447	940533
papers	citations	10	16
		h-index	g-index

35	35	35	376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of piezoelectric ZnO/AlNâˆ'stacked flexible nanogenerators for energy harvesting applications. Applied Physics Letters, 2015, 106, .	3.3	37
2	Synergistic contribution of flexoelectricity and piezoelectricity towards a stretchable robust nanogenerator for wearable electronics. Nano Energy, 2022, 91, 106691.	16.0	31
3	High-efficiency micro-energy generation based on free-carrier-modulated ZnO:N piezoelectric thin films. Applied Physics Letters, 2014, 104, 213908.	3.3	27
4	Impact of Pointing Errors on the Performance of Coherent Free-Space Optical Systems. IEEE Photonics Technology Letters, 2016, 28, 181-184.	2.5	26
5	A 5.8-GHz DSRC Transceiver With a 10-<formula formulatype="inline"><tex Notation="TeX">$mu{hbox {A}}$</tex> </formula> Interference-Aware Wake-Up Receiver for the Chinese ETCS. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3146-3160.	4.6	18
6	Performance Analysis of Asymmetric RF/FSO Dual-Hop Relaying Systems for UAV Applications. , 2013, , .		16
7	Performance Analysis of Coherent Free-Space Optical Systems With Multiple Receivers. IEEE Photonics Technology Letters, 2015, 27, 1010-1013.	2.5	15
8	Improved Resonance Characteristics by Thermal Annealing of W/SiO2Multi-Layers in Film Bulk Acoustic Wave Resonator Devices. Japanese Journal of Applied Physics, 2004, 43, 1545-1550.	1.5	14
9	A feasibility study of ZnO-based FBAR devices for an ultra-mass-sensitive sensor application. Microwave and Optical Technology Letters, 2004, 42, 505-507.	1.4	14
10	Outage Probability Analysis of a Coherent FSO Amplify-and-Forward Relaying System. IEEE Photonics Technology Letters, 2015, 27, 1204-1207.	2.5	11
11	A Highly Integrated 1-Bit Phase Shifter Based on High-Pass/Low-Pass Structure. IEEE Microwave and Wireless Components Letters, 2015, 25, 523-525.	3.2	11
12	Development of Al foil-based sandwich-type ZnO piezoelectric nanogenerators. AIP Advances, 2020, 10, 045018.	1.3	9
13	A Low Power LNA-Phase Shifter With Vector Sum Method for 60 GHz Beamforming Receiver. IEEE Microwave and Wireless Components Letters, 2015, 25, 612-614.	3.2	8
14	Multi-Layer Metallization Structure Development for Highly Efficient Polycrystalline SnSe Thermoelectric Devices. Applied Sciences (Switzerland), 2017, 7, 1116.	2.5	8
15	Effect of a-Si thin film on the performance of a-Si/ZnO-stacked piezoelectric energy harvesters. Applied Physics Letters, 2018, 113, .	3.3	8
16	Development of High-Quality FBAR Devices for Wireless Applications Employing Two-Step Annealing Treatments. IEEE Microwave and Wireless Components Letters, 2011, 21, 604-606.	3.2	6
17	Development of lowâ€complexity allâ€digital frequency locked loop as 500 MHz reference clock generator for fieldâ€programmable gate array. IET Circuits, Devices and Systems, 2014, 8, 73-81.	1.4	6
18	Enhanced output performance of sandwich-type ZnO piezoelectric nanogenerator with adhesive carbon tape. Sensors and Actuators A: Physical, 2021, 318, 112499.	4.1	6

#	Article	IF	Citations
19	High-Performance Flexible Ultraviolet Photodetectors Based on Facilely Synthesized Ecofriendly ZnAl:LDH Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 61434-61446.	8.0	6
20	An experimental study of a-Si/ZnO-stacked hetero-structures for potential thermoelectric energy harvesting applications. Applied Physics Letters, 2018, 113, 173901.	3.3	5
21	A Feasibility Study of Fabrication of Piezoelectric Energy Harvesters on Commercially Available Aluminum Foil. Energies, 2019, 12, 2797.	3.1	5
22	Realization of p-type ZnAgO:N thin films on flexible polyimide substrates through co-sputtering for wearable thermoelectric applications. AIP Advances, 2020, 10, .	1.3	4
23	A Fast and Precise Blind I/Q Mismatch Compensation for Image Rejection in Direct-Conversion Receiver. ETRI Journal, 2014, 36, 12-21.	2.0	3
24	Suppression of Range Ambiguity in Spaceborne SAR With Elevation Beam Pattern Mask Design. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
25	Performance analysis of OSTBC in gamma-gamma fading channels. , 2012, , .		2
26	Performance Analysis of Coherent FSO-OFDM Systems With Frequency Offset. IEEE Communications Letters, 2016, 20, 2189-2192.	4.1	2
27	Development of Indium-Tin Oxide Diffusion Barrier for Attaining High Reliability of Skutterudite Modules. ACS Applied Energy Materials, 2020, 3, 2989-2995.	5.1	2
28	Experimental Study on Zinc Oxide Thin Film-Based Thermoelectric Energy Harvester Under Plane-Vertical Temperature Gradients. IEEE Sensors Journal, 2021, 21, 27298-27307.	4.7	2
29	Floor accuracy improvement of wireless LAN based large scale indoor positioning. , 2011, , .		1
30	Development of FBAR devices based on thermal annealing treatments of nitrogen [N]-incorporated ZnO films. , 2011, , .		0
31	Nerimi: WiFi-based subway navigation system. , 2011, , .		0
32	Performance analysis of Alamouti scheme in free-space optical communications channel. , 2011, , .		0
33	Flexible piezoelectric ZnO nanogenerator with silver-based electrode. , 2014, , .		0
34	Effects of Bragg reflector annealing on performance factors of <scp>FBAR</scp>â€based ultramassâ€sensitive sensors. Microwave and Optical Technology Letters, 2015, 57, 2134-2137.	1.4	0
35	Water-driven energy harvesting characteristics of MoSi thin film devices. AIP Advances, 2022, 12, 035105.	1.3	0