

# Giwan Yoon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4202708/publications.pdf>

Version: 2024-02-01

35  
papers

306  
citations

933447

10  
h-index

940533

16  
g-index

35  
all docs

35  
docs citations

35  
times ranked

376  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Synergistic contribution of flexoelectricity and piezoelectricity towards a stretchable robust nanogenerator for wearable electronics. Nano Energy, 2022, 91, 106691.	16.0	31
3	Water-driven energy harvesting characteristics of MoSi thin film devices. AIP Advances, 2022, 12, 035105.	1.3	0
4	Enhanced output performance of sandwich-type ZnO piezoelectric nanogenerator with adhesive carbon tape. Sensors and Actuators A: Physical, 2021, 318, 112499.	4.1	6
5	High-Performance Flexible Ultraviolet Photodetectors Based on Facilely Synthesized Ecofriendly ZnAl:LDH Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 61434-61446.	8.0	6
6	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
7	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
8	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
9	Development of Al foil-based sandwich-type ZnO piezoelectric nanogenerators. AIP Advances, 2020, 10, 045018.	1.3	9
10	A Feasibility Study of Fabrication of Piezoelectric Energy Harvesters on Commercially Available Aluminum Foil. Energies, 2019, 12, 2797.	3.1	5
11	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
12	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
13	Multi-Layer Metallization Structure Development for Highly Efficient Polycrystalline SnSe Thermoelectric Devices. Applied Sciences (Switzerland), 2017, 7, 1116.	2.5	8
14	Performance Analysis of Coherent FSO-OFDM Systems With Frequency Offset. IEEE Communications Letters, 2016, 20, 2189-2192.	4.1	2
15	Impact of Pointing Errors on the Performance of Coherent Free-Space Optical Systems. IEEE Photonics Technology Letters, 2016, 28, 181-184.	2.5	26
16	Effects of Bragg reflector annealing on performance factors of $\text{FBAR}$ -based ultramass-sensitive sensors. Microwave and Optical Technology Letters, 2015, 57, 2134-2137.	1.4	0
17	Characteristics of piezoelectric ZnO/AlN-stacked flexible nanogenerators for energy harvesting applications. Applied Physics Letters, 2015, 106, .	3.3	37
18	Performance Analysis of Coherent Free-Space Optical Systems With Multiple Receivers. IEEE Photonics Technology Letters, 2015, 27, 1010-1013.	2.5	15

#	ARTICLE	IF	CITATIONS
19	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
20	Outage Probability Analysis of a Coherent FSO Amplify-and-Forward Relaying System. IEEE Photonics Technology Letters, 2015, 27, 1204-1207.	2.5	11
21	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
22	A 5.8-GHz DSRC Transceiver With a 10- $\mu$ s Interference-Aware Wake-Up Receiver for the Chinese ETCS. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3146-3160.	4.6	18
23	Flexible piezoelectric ZnO nanogenerator with silver-based electrode. , 2014, , .		0
24	High-efficiency micro-energy generation based on free-carrier-modulated ZnO:N piezoelectric thin films. Applied Physics Letters, 2014, 104, 213908.	3.3	27
25	Development of low-complexity all-digital frequency locked loop as 500 MHz reference clock generator for field-programmable gate array. IET Circuits, Devices and Systems, 2014, 8, 73-81.	1.4	6
26	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
27	Performance Analysis of Asymmetric RF/FSO Dual-Hop Relaying Systems for UAV Applications. , 2013, , .		16
28	Performance analysis of OSTBC in gamma-gamma fading channels. , 2012, , .		2
29	Development of FBAR devices based on thermal annealing treatments of nitrogen [N]-incorporated ZnO films. , 2011, , .		0
30	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
31	Floor accuracy improvement of wireless LAN based large scale indoor positioning. , 2011, , .		1
32	Nerimi: WiFi-based subway navigation system. , 2011, , .		0
33	Performance analysis of Alamouti scheme in free-space optical communications channel. , 2011, , .		0
34	Improved Resonance Characteristics by Thermal Annealing of W/SiO <sub>2</sub> Multi-Layers in Film Bulk Acoustic Wave Resonator Devices. Japanese Journal of Applied Physics, 2004, 43, 1545-1550.	1.5	14
35	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