

# Chong Hyun Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

716  
citations

516710

16  
h-index

552781

26  
g-index

41  
all docs

41  
docs citations

41  
times ranked

989  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-printed humidity sensor based on graphene/methyl-red composite with high sensitivity. Carbon, 2016, 105, 23-32.	10.3	125
2	Ink-jet printed stretchable strain sensor based on graphene/ZnO composite on micro-random ridged PDMS substrate. Composites Part A: Applied Science and Manufacturing, 2018, 107, 519-528.	7.6	58
3	All-Printed Differential Temperature Sensor for the Compensation of Bending Effects. Langmuir, 2016, 32, 11432-11439.	3.5	46
4	All-printed and highly stable organic resistive switching device based on graphene quantum dots and polyvinylpyrrolidone composite. Organic Electronics, 2015, 25, 225-231.	2.6	42
5	A flat-panel-shaped hybrid piezo/triboelectric nanogenerator for ambient energy harvesting. Nanotechnology, 2017, 28, 175402.	2.6	42
6	Disposable all-printed electronic biosensor for instantaneous detection and classification of pathogens. Scientific Reports, 2018, 8, 5920.	3.3	42
7	Wide range and stable ink-jet printed humidity sensor based on graphene and zinc oxide nanocomposite. Journal of Materials Science: Materials in Electronics, 2018, 29, 5806-5813.	2.2	31
8	Organic non-volatile memory cell based on resistive elements through electro-hydrodynamic technique. Organic Electronics, 2015, 17, 121-128.	2.6	28
9	Microstrip Patch Sensor for Salinity Determination. Sensors, 2017, 17, 2941.	3.8	28
10	Ultra-low power non-volatile resistive crossbar memory based on pull up resistors. Organic Electronics, 2017, 41, 73-78.	2.6	25
11	Inkjet-printed antenna on thin PET substrate for dual band Wi-Fi communications. Microsystem Technologies, 2017, 23, 3701-3709.	2.0	25
12	Design of versatile printed organic resistor based on resistivity ( $\rho$ ) control. Applied Physics A: Materials Science and Processing, 2015, 119, 1499-1506.	2.3	20
13	Flexible frequency selective passive circuits based on memristor and capacitor. Organic Electronics, 2017, 51, 119-127.	2.6	18
14	Printed non-volatile resistive switches based on zinc stannate (ZnSnO <sub>3</sub> ). Current Applied Physics, 2016, 16, 757-762.	2.4	17
15	Flexible and passive photo sensor based on perylene/graphene composite. Sensors and Actuators B: Chemical, 2015, 220, 634-640.	7.8	16
16	Organic diode with high rectification ratio made of electrohydrodynamic printed organic layers. Electronic Materials Letters, 2016, 12, 270-275.	2.2	16
17	Inkjet printed transparent and bendable patch antenna based on polydimethylsiloxane and indium tin oxide nanoparticles. Microwave and Optical Technology Letters, 2016, 58, 2884-2887.	1.4	16
18	Stretchable photo sensor using perylene/graphene composite on ridged polydimethylsiloxane substrate. Optics Express, 2015, 23, 30583.	3.4	15

#	ARTICLE	IF	CITATIONS
19	Flexible resistive switching device based on poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate) (PEDOT:PSS)/poly(4-vinylphenol) (PVP) composite and methyl red heterojunction. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	15
20	Resistive switching device with highly asymmetric current-voltage characteristics: a solution to backward sneak current in passive crossbar arrays. Nanotechnology, 2018, 29, 455201.	2.6	15
21	All printed antenna based on silver nanoparticles for 1.8GHz applications. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	14
22	Ink-jet printed transparent and flexible electrodes based on silver nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 49-55.	2.2	13
23	Underwater Ambient-Noise Removing GAN Based on Magnitude and Phase Spectra. IEEE Access, 2021, 9, 24513-24530.	4.2	11
24	An inkjet-printed microstrip patch sensor for liquid identification. Sensors and Actuators A: Physical, 2017, 268, 141-147.	4.1	8
25	Cylindrical Cavity Sensor for Distinction of Various Driveability Index Gasoline with Temperature Robustness. Sensors, 2019, 19, 4626.	3.8	4
26	Semi-Supervised Anomaly Detection Algorithm Using Probabilistic Labeling (SAD-PL). IEEE Access, 2021, 9, 142972-142981.	4.2	4
27	Flexible dual-band antenna for communication and radar applications. , 2016, , .		3
28	A Critical Step to Using a Parametric Array Loudspeaker in Mobile Devices. Sensors, 2019, 19, 4449.	3.8	3
29	Rectangular Cavity Sensor for Distinguishing Between Normal and High-Drivability-Index Gasolines. IEEE Access, 2020, 8, 182193-182203.	4.2	3
30	Feasibility Study of Ex Ovo Chick Chorioallantoic Artery Model for Investigating Pulsatile Variation of Arterial Geometry. PLoS ONE, 2015, 10, e0145969.	2.5	3
31	Classification Algorithms for Human and Dog Movement Based on Micro-Doppler Signals. IEIE Transactions on Smart Processing and Computing, 2017, 6, 10-17.	0.4	3
32	DYNAMIC MODELING AND STRUCTURAL ANALYSIS OF MANTA-TYPE UUV. International Journal of Modern Physics B, 2011, 25, 4319-4322.	2.0	2
33	A Funnel Type PVDF Underwater Energy Harvester with Spiral Structure Mounted on the Harvester Support. Micromachines, 2022, 13, 579.	2.9	2
34	SEMI-EMPIRICAL KERNEL FUNCTION FOR THE ANALYSIS OF FIBER BRAGG GRATINGS UNDER TEMPERATURE DISTRIBUTIONS. International Journal of Modern Physics B, 2011, 25, 4208-4211.	2.0	1
35	Implementation of a Rotational Ultrasound Biomicroscopy System Equipped with a High-Frequency Angled Needle Transducer - Ex Vivo Ultrasound Imaging of Porcine Ocular Posterior Tissues. Sensors, 2014, 14, 17807-17816.	3.8	1
36	Inkjet printed organic-inorganic bilayer photoconductive sensor. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	A novel maneuvering target tracking algorithm based on moving slide window. , 2010, , .		0
38	Implementation of an ultrasound biomicroscopy system by rotational scanning of a high-frequency angled needle transducer. , 2011, , .		0
39	Memristor-capacitor passive filters to tune both cut-off frequency and bandwidth. Proceedings of SPIE, 2017, , .	0.8	0
40	A Compact and Configurable Gasoline Detection System Using a Microwave Sensor. IEEE Sensors Journal, 2021, 21, 18178-18186.	4.7	0