

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	A Funnel Type PVDF Underwater Energy Harvester with Spiral Structure Mounted on the Harvester Support. <i>Micromachines</i> , 2022, 13, 579.	2.9	2
2	Underwater Ambient-Noise Removing GAN Based on Magnitude and Phase Spectra. <i>IEEE Access</i> , 2021, 9, 24513-24530.	4.2	11
3	A Compact and Configurable Gasoline Detection System Using a Microwave Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 18178-18186.	4.7	0
4	Semi-Supervised Anomaly Detection Algorithm Using Probabilistic Labeling (SAD-PL). <i>IEEE Access</i> , 2021, 9, 142972-142981.	4.2	4
5	Rectangular Cavity Sensor for Distinguishing Between Normal and High-Drivability-Index Gasolines. <i>IEEE Access</i> , 2020, 8, 182193-182203.	4.2	3
6	Cylindrical Cavity Sensor for Distinction of Various Driveability Index Gasoline with Temperature Robustness. <i>Sensors</i> , 2019, 19, 4626.	3.8	4
7	A Critical Step to Using a Parametric Array Loudspeaker in Mobile Devices. <i>Sensors</i> , 2019, 19, 4449.	3.8	3
8	Disposable all-printed electronic biosensor for instantaneous detection and classification of pathogens. <i>Scientific Reports</i> , 2018, 8, 5920.	3.3	42
9	Ink-jet printed stretchable strain sensor based on graphene/ZnO composite on micro-random ridged PDMS substrate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 519-528.	7.6	58
10	Wide range and stable ink-jet printed humidity sensor based on graphene and zinc oxide nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5806-5813.	2.2	31
11	Ink-jet printed transparent and flexible electrodes based on silver nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 49-55.	2.2	13
12	Inkjet printed organic-inorganic bilayer photoconductive sensor. , 2018, , .		1
13	Resistive switching device with highly asymmetric current-voltage characteristics: a solution to backward sneak current in passive crossbar arrays. <i>Nanotechnology</i> , 2018, 29, 455201.	2.6	15
14	Memristor-capacitor passive filters to tune both cut-off frequency and bandwidth. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
15	Flexible resistive switching device based on poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate) (PEDOT:PSS)/poly(4-vinylphenol) (PVP) composite and methyl red heterojunction. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	15
16	A flat-panel-shaped hybrid piezo/triboelectric nanogenerator for ambient energy harvesting. <i>Nanotechnology</i> , 2017, 28, 175402.	2.6	42
17	Ultra-low power non-volatile resistive crossbar memory based on pull up resistors. <i>Organic Electronics</i> , 2017, 41, 73-78.	2.6	25
18	Flexible frequency selective passive circuits based on memristor and capacitor. <i>Organic Electronics</i> , 2017, 51, 119-127.	2.6	18

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19	An inkjet-printed microstrip patch sensor for liquid identification. <i>Sensors and Actuators A: Physical</i> , 2017, 268, 141-147.	4.1	8
20	Inkjet-printed antenna on thin PET substrate for dual band Wi-Fi communications. <i>Microsystem Technologies</i> , 2017, 23, 3701-3709.	2.0	25
21	Microstrip Patch Sensor for Salinity Determination. <i>Sensors</i> , 2017, 17, 2941.	3.8	28
22	Classification Algorithms for Human and Dog Movement Based on Micro-Doppler Signals. <i>IEIE Transactions on Smart Processing and Computing</i> , 2017, 6, 10-17.	0.4	3
23	All-printed humidity sensor based on graphene/methyl-red composite with high sensitivity. <i>Carbon</i> , 2016, 105, 23-32.	10.3	125
24	Organic diode with high rectification ratio made of electrohydrodynamic printed organic layers. <i>Electronic Materials Letters</i> , 2016, 12, 270-275.	2.2	16
25	Inkjet printed transparent and bendable patch antenna based on polydimethylsiloxane and indium tin oxide nanoparticles. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 2884-2887.	1.4	16
26	All-Printed Differential Temperature Sensor for the Compensation of Bending Effects. <i>Langmuir</i> , 2016, 32, 11432-11439.	3.5	46
27	All printed antenna based on silver nanoparticles for 1.8 GHz applications. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	14
28	Flexible dual-band antenna for communication and radar applications. , 2016, , .		3
29	Printed non-volatile resistive switches based on zinc stannate (ZnSnO ₃). <i>Current Applied Physics</i> , 2016, 16, 757-762.	2.4	17
30	Stretchable photo sensor using perylene/graphene composite on ridged polydimethylsiloxane substrate. <i>Optics Express</i> , 2015, 23, 30583.	3.4	15
31	Flexible and passive photo sensor based on perylene/graphene composite. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 634-640.	7.8	16
32	All-printed and highly stable organic resistive switching device based on graphene quantum dots and polyvinylpyrrolidone composite. <i>Organic Electronics</i> , 2015, 25, 225-231.	2.6	42
33	Design of versatile printed organic resistor based on resistivity (ρ) control. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1499-1506.	2.3	20
34	Organic non-volatile memory cell based on resistive elements through electro-hydrodynamic technique. <i>Organic Electronics</i> , 2015, 17, 121-128.	2.6	28
35	Feasibility Study of Ex Ovo Chick Chorioallantoic Artery Model for Investigating Pulsatile Variation of Arterial Geometry. <i>PLoS ONE</i> , 2015, 10, e0145969.	2.5	3
36	Implementation of a Rotational Ultrasound Biomicroscopy System Equipped with a High-Frequency Angled Needle Transducer " Ex Vivo Ultrasound Imaging of Porcine Ocular Posterior Tissues. <i>Sensors</i> , 2014, 14, 17807-17816.	3.8	1

#	ARTICLE	IF	CITATIONS
37	Implementation of an ultrasound biomicroscopy system by rotational scanning of a high-frequency angled needle transducer. , 2011, , .		0
38	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
39	DYNAMIC MODELING AND STRUCTURAL ANALYSIS OF MANTA-TYPE UUV. International Journal of Modern Physics B, 2011, 25, 4319-4322.	2.0	2
40	A novel maneuvering target tracking algorithm based on moving slide window. , 2010, , .		0