Sanghoek Kim

List of Publications by Year
in descending order

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37	1,805	566801	454577
papers	citations	15 h-index	30 g-index

38	38	38	2201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antenna for IoT-Based Future Advanced (5G) Railway Communication With End-Fire Radiation. IEEE Internet of Things Journal, 2022, 9, 7036-7042.	5.5	15
2	Expressions for Resonant Frequency of Wirelessly Accessible Planar Mirrored-Coil Sensor in Biomedicine. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 556-564.	2.9	0
3	Embedded Structural-Durability Health-Monitoring System Integrated With Multisensors and a Wideband Antenna. IEEE Internet of Things Journal, 2022, 9, 17480-17487.	5.5	4
4	Wide-range robust wireless power transfer using heterogeneously coupled and flippable neutrals in parity-time symmetry. Science Advances, 2022, 8, .	4.7	13
5	Soft implantable drug delivery device integrated wirelessly with wearable devices to treat fatal seizures. Science Advances, 2021, 7, .	4.7	107
6	A microwave method to remotely assess the abdominal fat thickness. AIP Advances, 2021, 11, .	0.6	4
7	Wireless Power Transfer and Telemetry for Implantable Bioelectronics. Advanced Healthcare Materials, 2021, 10, e2100614.	3.9	41
8	Robust Wireless Power Transfer with Minimal Field Exposure Using Parity-Time Symmetric Microwave Cavities. Physical Review Applied, 2021, 16, .	1.5	4
9	Batteryless, Miniaturized Implantable Glucose Sensor Using a Fluorescent Hydrogel. Sensors, 2021, 21, 8464.	2.1	4
10	A Minimally Invasive Implantable Sensor for Continuous Wireless Glucose Monitoring Based on a Passive Resonator. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 124-128.	2.4	35
11	SHARK-FIN ANTENNA FOR RAILWAY COMMUNICATIONS IN LTE-R, LTE, AND LOWER 5G FREQUENCY BANDS. Progress in Electromagnetics Research, 2020, 167, 83-94.	1.6	11
12	Electromagnetic Analysis of Vertical Resistive Memory with a Sub-nm Thick Electrode. Nanomaterials, 2020, 10, 1634.	1.9	3
13	A DUAL-BAND ANTENNA FOR LTE-R AND 5G LOWER FREQUENCY OPERATIONS. Progress in Electromagnetics Research Letters, 2020, 88, 113-119.	0.4	31
14	Continuous Characterization of Permittivity over a Wide Bandwidth Using a Cavity Resonator. Journal of Electromagnetic Engineering and Science, 2020, 20, 39-44.	0.7	14
15	VARIATION OF THE SHAPE PARAMETER OF K-DISTRIBUTION FOR SEA CLUTTER WITH THE SPATIAL CORRELATION OF SEA SURFACE. Progress in Electromagnetics Research Letters, 2020, 92, 25-30.	0.4	0
16	Flexible, sticky, and biodegradable wireless device for drug delivery to brain tumors. Nature Communications, 2019, 10, 5205.	5.8	148
17	Design of Wideband Microwave Absorbers Using Reactive Salisbury Screens with Maximum Flat Reflection. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2019, 19, 71-81.	2.9	10
18	Stealth path planning for a high speed torpedo-shaped autonomous underwater vehicle to approach a target ship. Cyber-Physical Systems, 2018, 4, 1-16.	1.6	20

#	Article	IF	Citations
19	Motion control of multiple autonomous ships to approach a target without being detected. International Journal of Advanced Robotic Systems, 2018, 15, 172988141876318.	1.3	24
20	Investigation of Single-Input Multiple-Output Wireless Power Transfer Systems Based on Optimization of Receiver Loads for Maximum Efficiencies. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2018, 18, 145-153.	2.9	11
21	Control of Power Distribution for Multiple Receivers in SIMO Wireless Power Transfer System. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2018, 18, 221-230.	2.9	16
22	Measuring abdominal fatness using principle of Salisbury screen. Electronics Letters, 2017, 53, 908-910.	0.5	2
23	A transistor based on 2D material and silicon junction. Journal of the Korean Physical Society, 2017, 71, 92-100.	0.3	1
24	Wireless powering of miniaturized neurostimulator. , 2017, , .		0
25	Review of Near-Field Wireless Power and Communication for Biomedical Applications. IEEE Access, 2017, 5, 21264-21285.	2.6	192
26	Electromagnetic Modeling of Human Body Using High Performance Computing. Physics Procedia, 2017, 90, 107-114.	1.2	2
27	Power Link Optimization for a Neurostimulator in Nasal Cavity. International Journal of Antennas and Propagation, 2017, 2017, 1-6.	0.7	0
28	NON-COIL, OPTIMAL SOURCES FOR WIRELESS POWERING OF SUB-MILLIMETER IMPLANTABLE DEVICES. Progress in Electromagnetics Research, 2017, 158, 99-108.	1.6	2
29	Quality assurance of S-parameters and rational function models for transient simulations. , 2015, , .		3
30	Wireless power transfer to deep-tissue microimplants. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7974-7979.	3.3	399
31	Midfield Wireless Powering for Implantable Systems. Proceedings of the IEEE, 2013, 101, 1369-1378.	16.4	178
32	Midfield Wireless Powering of Subwavelength Autonomous Devices. Physical Review Letters, 2013, 110, 203905.	2.9	92
33	Wireless power transfer to a cardiac implant. Applied Physics Letters, 2012, 101, 073701.	1.5	116
34	Wireless Power Transfer to Miniature Implants: Transmitter Optimization. IEEE Transactions on Antennas and Propagation, 2012, 60, 4838-4845.	3.1	105
35	Implantable biomedical devices: Wireless powering and communication. IEEE Communications Magazine, 2012, 50, 152-159.	4.9	187
36	Optimal transmit dimension for wireless powering of miniature implants. , 2011, , .		2

#	Article	IF	Citations
37	Optimizations of source distribution in wireless power transmission for implantable devices. , 2010, , .		5