Yong Song

List of Publications by Year
in descending order

		687363		677142
37 papers	**505** citations	**13** h-index		**22** g-index
37 all docs	**37** docs citations	**37** times ranked		**365** citing authors

#	Article	IF	Citations
1	The Simulation Method of the Galvanic Coupling Intrabody Communication With Different Signal Transmission Paths. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1257-1266.	4.7	73
2	Hybrid Bulk–Heterojunction of Colloidal Quantum Dots and Mixed–Halide Perovskite Nanocrystals for High–Performance Self–Powered Broadband Photodetectors. Advanced Functional Materials, 2022, 32, .	14.9	69
3	Interlayer of PMMA Doped with Au Nanoparticles for High-Performance Tandem Photodetectors: A Solution to Suppress Dark Current and Maintain High Photocurrent. ACS Applied Materials & Interfaces, 2020, 12, 26153-26160.	8.0	51
4	High performance solution-processed infrared photodiode based on ternary PbS_xSe_{1-x} colloidal quantum dots. RSC Advances, 2016, 6, 87730-87737.	3.6	38
5	High-performance solution-processed colloidal quantum dots-based tandem broadband photodetectors with dielectric interlayer. Nanotechnology, 2019, 30, 465203.	2.6	30
6	Ultra-sensitive solution-processed broadband photodetectors based on vertical field-effect transistor. Nanotechnology, 2020, 31, 105203.	2.6	30
7	A Finite-Element Simulation of Galvanic Coupling Intra-Body Communication Based on the Whole Human Body. Sensors, 2012, 12, 13567-13582.	3.8	27
8	YAP mediates human decidualization of the uterine endometrial stromal cells. Placenta, 2017, 53, 30-35.	1.5	26
9	Modeling and Characterization of the Implant Intra-Body Communication Based on Capacitive Coupling Using a Transfer Function Method. Sensors, 2014, 14, 1740-1756.	3.8	25
10	Hybrid Nanocomposites of All–Inorganic Halide Perovskites with Polymers for High–Performance Field–Effect–Transistor–Based Photodetectors: An Experimental and Simulation Study. Advanced Materials Interfaces, 2022, 9, .	3.7	19
11	Comparable Investigation of Characteristics for Implant Intra-Body Communication Based on Galvanic and Capacitive Coupling. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1747-1758.	4.0	18
12	Modeling and characterization of the electrostatic coupling intra-body communication based on Mach-Zehnder electro-optical modulation. Optics Express, 2012, 20, 13488.	3.4	17
13	Modeling and simulation of high-efficiency GaAs PIN solar cells. Journal of Computational Electronics, 2021, 20, 310-316.	2.5	17
14	An infrared target detection algorithm based on lateral inhibition and singular value decomposition. Infrared Physics and Technology, 2017, 85, 238-245.	2.9	12
15	Signal Transmission in a Human Body Medium-Based Body Sensor Network Using a Mach-Zehnder Electro-Optical Sensor. Sensors, 2012, 12, 16557-16570.	3.8	8
16	Simulation of the Recharging Method of Implantable Biosensors Based on a Wearable Incoherent Light Source. Sensors, 2014, 14, 20687-20701.	3.8	8
17	The Modeling and Simulation of the Galvanic Coupling Intra-Body Communication via Handshake Channel. Sensors, 2017, 17, 863.	3.8	8
18	L. plantarum, L. fermentum, and B. breve Beads Modified the Intestinal Microbiota and Alleviated the Inflammatory Response in High-Fat Diet–Fed Mice. Probiotics and Antimicrobial Proteins, 2020, 12, 535-544.	3.9	7

#	ARTICLE	IF	CITATIONS
19	Optoelectronic instrument experiments course: A trial of project-based learning. , 2012, , .		5
20	Characterization of the implantable intra-body communication based on capacitive coupling by transfer function. , 2016, , .		4
21	An adaptive infrared image segmentation method based on fusion SPCNN. Signal Processing: Image Communication, 2020, 87, 115905.	3.2	4
22	A Multidirectional-Difference-Hash-Based Image Clutter Metric for Targeting Performance. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	3
23	IR saliency detection via a GCF-SB visual attention framework. Journal of Visual Communication and Image Representation, 2020, 66, 102706.	2.8	2
24	Research on Body Sensor Network Based on the Capacitive Coupling Intra-Body Communication Using a Mach-Zehnder Electro-Optical Sensor. , 2018, , .		1
25	ALI-TM: A moving objects detection algorithm for infrared images with dynamic background. Infrared Physics and Technology, 2018, 93, 205-212.	2.9	1
26	Design of Image Transmission System of Intra-Body Communication Based on Capacitive Coupling. , 2019, , .		1
27	An audio transmission system based on capacitive coupling intra-body communication. , 2021, , .		1
28	The Simulation of the Recharging Method Based on Solar Radiation for an Implantable Biosensor. Sensors, 2016, 16, 1468.	3.8	0
29	A Method to Eliminate the Impact of Parasitic Capacitance for Intra-Body Communication using Mach-Zehnder Electro-Optical Modulation. , 2020, , .		0
30	Jigsaw Cooperative Learning Trials in Optical Graduate Course. , 2020, , .		0
31	Title is missing!. , 2020, 15, e0234086.		0
32	Title is missing!. , 2020, 15, e0234086.		0
33	Title is missing!. , 2020, 15, e0234086.		0
34	Title is missing!. , 2020, 15, e0234086.		0
35	Title is missing!. , 2020, 15, e0234086.		0
36	Title is missing!. , 2020, 15, e0234086.		0

#	ARTICLE	IF	CITATIONS
37	CoGANet: Co-Guided Attention Network for Salient Object Detection. IEEE Photonics Journal, 2022, 14, 1-12.	2.0	0