

Ying Yi

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

410
citations

840585

11
h-index

839398

18
g-index

43
all docs

43
docs citations

43
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and optimization of a 3-coil resonance-based wireless power transfer system for biomedical implants. <i>International Journal of Circuit Theory and Applications</i> , 2015, 43, 1379-1390.	1.3	49
2	A remotely operated drug delivery system with an electrolytic pump and a thermo-responsive valve. <i>Biomicrofluidics</i> , 2015, 9, 052608.	1.2	28
3	Performance analysis of visible light communication using the STBC-OFDM technique for intelligent transportation systems. <i>International Journal of Electronics</i> , 2014, 101, 1117-1133.	0.9	27
4	A cyclically actuated electrolytic drug delivery device. <i>Lab on A Chip</i> , 2015, 15, 3540-3548.	3.1	26
5	A pulsed mode electrolytic drug delivery device. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 105011.	1.5	26
6	PMMA to Polystyrene bonding for polymer based microfluidic systems. <i>Microsystem Technologies</i> , 2014, 20, 59-64.	1.2	23
7	A new approach for an ultra-thin piezoresistive sensor based on solidified carbon ink film. <i>Journal of Materials Science</i> , 2021, 56, 607-614.	1.7	20
8	A remotely operated drug delivery system with dose control. <i>Sensors and Actuators A: Physical</i> , 2017, 261, 177-183.	2.0	18
9	A Low-Cost Strain Gauge Displacement Sensor Fabricated via Shadow Mask Printing. <i>Sensors</i> , 2019, 19, 4713.	2.1	16
10	Flexible piezoresistive strain sensor based on CNTs-polymer composites: a brief review. <i>Carbon Letters</i> , 2022, 32, 713-726.	3.3	15
11	Optimum Spread Code Applied in Indoor Visible Light Data Transmission for Optical Multipath Dispersion Reduction. <i>IETE Technical Review (Institution of Electronics and Telecommunication)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	10
12	Wireless Hyperthermia Stent System for Restenosis Treatment and Testing With Swine Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1097-1104.	2.5	12
13	Adaptive MMSE Equalizer for Optical Multipath Dispersion in Indoor Visible Light Communication. <i>IETE Journal of Research</i> , 2012, 58, 347.	1.8	11
14	Flexible substrate-based thermo-responsive valve applied in electromagnetically powered drug delivery system. <i>Journal of Materials Science</i> , 2019, 54, 3392-3402.	1.7	11
15	Preparation and characterization of PVA/PVP conductive hydrogels formed by freeze-thaw processes as a promising material for sensor applications. <i>Journal of Materials Science</i> , 2022, 57, 8029-8038.	1.7	10
16	Wirelessly Powered Resonant-Heating Stent System: Design, Prototyping, and Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 482-490.	3.1	9
17	An electrochemically actuated drug delivery device with in-situ dosage sensing. <i>Smart Materials and Structures</i> , 2021, 30, 055003.	1.8	9
18	Multicore Architectures With Dynamically Reconfigurable Array Processors for Wireless Broadband Technologies. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2009, 28, 1830-1843.	1.9	8

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19	Wirelessly Heating Stents via Radiofrequency Resonance toward Enabling Endovascular Hyperthermia. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900708.	3.9	8
20	Wavelength Division-adaptive Interference Cancellation Applied in OFDM Visible Light Communication Systems. <i>IETE Journal of Research</i> , 2012, 58, 390.	1.8	7
21	Pilot self-coding applied in optical OFDM systems. <i>International Journal of Electronics</i> , 2015, 102, 548-562.	0.9	6
22	Electromagnetically powered electrolytic pump and thermo-responsive valve for drug delivery. , 2015, , .		6
23	Experimental analysis on wireless heating of resonant stent for hyperthermia treatment of in-stent restenosis. <i>Sensors and Actuators A: Physical</i> , 2019, 297, 111527.	2.0	6
24	Indoor LED-Based identification systems using adaptive MMSE equalizer for optical multipath dispersion reduction. , 2011, , .		5
25	Outdoor environment LED-identification systems integrate STBC-OFDM. , 2011, , .		5
26	Liquid-phase alloy as a microfluidic electrode for micro-electro-discharge patterning. <i>Journal of Materials Processing Technology</i> , 2018, 258, 1-8.	3.1	4
27	A high-efficiency reconfigurable 2-D Discrete Wavelet Transform engine for JPEG2000 implementation on next generation digital cameras. , 2010, , .		3
28	3-Coil resonance-based wireless power transfer system for implantable electronic. , 2013, , .		3
29	Laser micromachined wax-covered plastic paper as both sputter deposition shadow masks and deep-ultraviolet patterning masks for polymethylmethacrylate-based microfluidic systems. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2013, 12, 049701.	1.0	3
30	A Resonant Coupling Power Transfer System Using Two Driving Coils. <i>Energies</i> , 2019, 12, 2914.	1.6	3
31	Investigation of a Liquid-Phase Electrode for Micro-Electro-Discharge Machining. <i>Micromachines</i> , 2020, 11, 935.	1.4	3
32	Investigation of multielectrode multiloop with series capacitance pulse generator for EDM. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 109, 143-154.	1.5	3
33	Investigation of Filtering Algorithm for Noise Reduction in Displacement Sensing Signal. <i>IEEE Sensors Journal</i> , 2021, 21, 7808-7812.	2.4	3
34	Optical interference cancellation in visible light identification system based on wireless mesh network topology. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
35	Surface tension-induced high aspect-ratio PDMS micropillars with concave and convex lens tips. , 2013, , .		2
36	An Inkjet-printed Strain Sensor with a Carbon-SilverPolyimide Topology. , 2019, , .		2

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37	Liquid alloy electrode for no-wear micro electrical discharge machining. International Journal of Advanced Manufacturing Technology, 2020, 106, 1281-1290.	1.5	2
38	Performance analysis of indoor visible lighting communication using spread codes. , 2009, , .		1
39	LED-based identification systems using wavelength division-adaptive interference cancellation for frequency offset correction. , 2011, , .		1
40	Low-cost rapid prototyping of flexible plastic paper based microfluidic devices. , 2013, , .		1
41	An Improved Electrolytic Pump for Potential Drug Delivery Applications. , 2014, , .		1
42	Dual-core reconfigurable demosaicing engine for next generation of portable camera systems. , 2010, , .		0
43	Micro electro-discharge patterning using liquid-phase microelectrodes. , 2017, , .		0