

# Ying Yi

## List of Publications by Year in descending order

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43  
papers

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citations

840776  
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all docs

43  
docs citations

43  
times ranked

335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible piezoresistive strain sensor based on CNTsâ€“polymer composites: a brief review. Carbon Letters, 2022, 32, 713-726.	5.9	15
2	Preparation and characterization of PVA/PVP conductive hydrogels formed by freezeâ€“thaw processes as a promising material for sensor applications. Journal of Materials Science, 2022, 57, 8029-8038.	3.7	10
3	A new approach for an ultra-thin piezoresistive sensor based on solidified carbon ink film. Journal of Materials Science, 2021, 56, 607-614.	3.7	20
4	An electrochemically actuated drug delivery device with in-situ dosage sensing. Smart Materials and Structures, 2021, 30, 055003.	3.5	9
5	Investigation of Filtering Algorithm for Noise Reduction in Displacement Sensing Signal. IEEE Sensors Journal, 2021, 21, 7808-7812.	4.7	3
6	Wirelessly Powered Resonant-Heating Stent System: Design, Prototyping, and Optimization. IEEE Transactions on Antennas and Propagation, 2020, 68, 482-490.	5.1	9
7	Wireless Hyperthermia Stent System for Restenosis Treatment and Testing With Swine Model. IEEE Transactions on Biomedical Engineering, 2020, 67, 1097-1104.	4.2	12
8	Liquid alloy electrode for no-wear micro electrical discharge machining. International Journal of Advanced Manufacturing Technology, 2020, 106, 1281-1290.	3.0	2
9	Investigation of a Liquid-Phase Electrode for Micro-Electro-Discharge Machining. Micromachines, 2020, 11, 935.	2.9	3
10	Investigation of multielectrode multiloop with series capacitance pulse generator for EDM. International Journal of Advanced Manufacturing Technology, 2020, 109, 143-154.	3.0	3
11	A Resonant Coupling Power Transfer System Using Two Driving Coils. Energies, 2019, 12, 2914.	3.1	3
12	Experimental analysis on wireless heating of resonant stent for hyperthermia treatment of in-stent restenosis. Sensors and Actuators A: Physical, 2019, 297, 111527.	4.1	6
13	Wirelessly Heating Stents via Radiofrequency Resonance toward Enabling Endovascular Hyperthermia. Advanced Healthcare Materials, 2019, 8, e1900708.	7.6	8
14	An Inkjet-printed Strain Sensor with a Carbon-SilverPolyimide Topology. , 2019, , .		2
15	A Low-Cost Strain Gauge Displacement Sensor Fabricated via Shadow Mask Printing. Sensors, 2019, 19, 4713.	3.8	16
16	Flexible substrate-based thermo-responsive valve applied in electromagnetically powered drug delivery system. Journal of Materials Science, 2019, 54, 3392-3402.	3.7	11
17	Liquid-phase alloy as a microfluidic electrode for micro-electro-discharge patterning. Journal of Materials Processing Technology, 2018, 258, 1-8.	6.3	4
18	A remotely operated drug delivery system with dose control. Sensors and Actuators A: Physical, 2017, 261, 177-183.	4.1	18

#	ARTICLE	IF	CITATIONS
19	Micro electro-discharge patterning using liquid-phase microelectrodes. , 2017, , .		0
20	A remotely operated drug delivery system with an electrolytic pump and a thermo-responsive valve. Biomicrofluidics, 2015, 9, 052608.	2.4	28
21	Pilot self-coding applied in optical OFDM systems. International Journal of Electronics, 2015, 102, 548-562.	1.4	6
22	Electromagnetically powered electrolytic pump and thermo-responsive valve for drug delivery. , 2015, , .		6
23	A cyclically actuated electrolytic drug delivery device. Lab on A Chip, 2015, 15, 3540-3548.	6.0	26
24	A pulsed mode electrolytic drug delivery device. Journal of Micromechanics and Microengineering, 2015, 25, 105011.	2.6	26
25	Design and optimization of a 3-coil resonance-based wireless power transfer system for biomedical implants. International Journal of Circuit Theory and Applications, 2015, 43, 1379-1390.	2.0	49
26	PMMA to Polystyrene bonding for polymer based microfluidic systems. Microsystem Technologies, 2014, 20, 59-64.	2.0	23
27	Performance analysis of visible light communication using the STBC-OFDM technique for intelligent transportation systems. International Journal of Electronics, 2014, 101, 1117-1133.	1.4	27
28	An Improved Electrolytic Pump for Potential Drug Delivery Applications. , 2014, , .		1
29	3-Coil resonance-based wireless power transfer system for implantable electronic. , 2013, , .		3
30	Low-cost rapid prototyping of flexible plastic paper based microfluidic devices. , 2013, , .		1
31	Optical interference cancellation in visible light identification system based on wireless mesh network topology. Proceedings of SPIE, 2013, , .	0.8	2
32	Laser micromachined wax-covered plastic paper as both sputter deposition shadow masks and deep-ultraviolet patterning masks for polymethylmethacrylate-based microfluidic systems. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2013, 12, 049701.	0.9	3
33	Surface tension-induced high aspect-ratio PDMS micropillars with concave and convex lens tips. , 2013, , .		2
34	Optimum Spread Code Applied in Indoor Visible Light Data Transmission for Optical Multipath Dispersion Reduction. IETE Technical Review (Institution of Electronics and Telecommunication) Tj ETQq0 0 0 rgBT # Overlock 12 Tf 50 13		10
35	Adaptive MMSE Equalizer for Optical Multipath Dispersion in Indoor Visible Light Communication. IETE Journal of Research, 2012, 58, 347.	2.6	11
36	Wavelength Division-adaptive Interference Cancellation Applied in OFDM Visible Light Communication Systems. IETE Journal of Research, 2012, 58, 390.	2.6	7

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37	Indoor LED-Based identification systems using adaptive MMSE equalizer for optical multipath dispersion reduction. , 2011, , .		5
38	LED-based identification systems using wavelength division-adaptive interference cancellation for frequency offset correction. , 2011, , .		1
39	Outdoor environment LED-identification systems integrate STBC-OFDM. , 2011, , .		5
40	A high-efficiency reconfigurable 2-D Discrete Wavelet Transform engine for JPEG2000 implementation on next generation digital cameras. , 2010, , .		3
41	Dual-core reconfigurable demosaicing engine for next generation of portable camera systems. , 2010, , .		0
42	Performance analysis of indoor visible lighting communication using spread codes. , 2009, , .		1
43	Multicore Architectures With Dynamically Reconfigurable Array Processors for Wireless Broadband Technologies. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2009, 28, 1830-1843.	2.7	8