

# Wenjing Su

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

537  
citations

840776  
11  
h-index

1281871  
11  
g-index

23  
all docs

23  
docs citations

23  
times ranked

620  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Fully inkjet-printed microfluidics: a solution to low-cost rapid three-dimensional microfluidics fabrication with numerous electrical and sensing applications. <i>Scientific Reports</i> , 2016, 6, 35111.                            | 3.3  | 119       |
| 2  | Additively Manufactured RF Components and Modules: Toward Empowering the Birth of Cost-Efficient Dense and Ubiquitous IoT Implementations. <i>Proceedings of the IEEE</i> , 2017, 105, 702-722.  | 21.3 | 51        |
| 3  | Novel 3D printed liquid-metal-alloy microfluidics-based zigzag and helical antennas for origami reconfigurable antenna <i>IEEE Antennas and Propagation Letters</i> , 2017, , .  |      | 35        |
| 4  | Additively Manufactured Microfluidics-Based <i>“Peel-and-Replace”</i> RF Sensors for Wearable Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 1928-1936.   | 4.6  | 33        |
| 5  | Development of Low Cost, Wireless, Inkjet Printed Microfluidic RF Systems and Devices for Sensing or Tunable Electronics. <i>IEEE Sensors Journal</i> , 2015, 15, 3156-3163.   | 4.7  | 32        |
| 6  | E-band characterization of 3D-printed dielectrics for fully-printed millimeter-wave wireless system packaging. , 2017, , .   |      | 32        |
| 7  | Additively Manufactured mm-Wave Multichip Modules With Fully Printed <i>“Smart”</i> Encapsulation Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2716-2724.                                       | 4.6  | 30        |
| 8  | A bio-enabled maximally mild layer-by-layer Kapton surface modification approach for the fabrication of all-inkjet-printed flexible electronic devices. <i>Scientific Reports</i> , 2016, 6, 39909.                                    | 3.3  | 28        |
| 9  | Wearable Antennas for Cross-Body Communication and Human Activity Recognition. <i>IEEE Access</i> , 2020, 8, 58575-58584.  | 4.2  | 24        |
| 10 | A Novel Fluid-Reconfigurable Advanced and Delayed Phase Line Using Inkjet-Printed Microfluidic Composite Right/Left-Handed Transmission Line. <i>IEEE Microwave and Wireless Components Letters</i> , 2015, 25, 142-144.               | 3.2  | 20        |
| 11 | A novel inkjet-printed microfluidic tunable coplanar patch antenna. , 2014, , .  |      | 18        |
| 12 | Novel uniquely 3D printed intricate Voronoi and fractal 3D antennas. , 2017, , .   |      | 15        |
| 13 | RFID Based Non-Contact Human Activity Detection Exploiting Cross Polarization. <i>IEEE Access</i> , 2020, 8, 46585-46595.  | 4.2  | 15        |
| 14 | 3-D-Printing-Based Selective-Ink-Deposition Technique Enabling Complex Antenna and RF Structures for 5G Applications up to 6 GHz. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 1434-1447. | 2.5  | 14        |
| 15 | Read/Interrogation Enhancement of Chipless RFIDs Using Machine Learning Techniques. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2272-2276.   | 4.0  | 13        |
| 16 | 3D printed reconfigurable helical antenna based on microfluidics and liquid metal alloy. , 2016, , .   |      | 12        |
| 17 | Novel 3D-printed <i>“Chinese fan”</i> bow-tie antennas for origami/shape-changing configurations. , 2017, , .  |      | 11        |
| 18 | Inkjet-printed substrate integrated waveguides (SIW) with <i>“drill-less”</i> vias on paper substrates. , 2016, , .  |      | 9         |

| #  | ARTICLE  | IF | CITATIONS |
|----|--|----|-----------|
| 19 | 3D printed wearable flexible SIW and microfluidics sensors for Internet of Things and smart health applications. , 2017, , .                                       |    | 9         |
| 20 | Self-Actuating 3D Printed Packaging for Deployable Antennas. , 2017, , .   |    | 6         |
| 21 | Radar & additive manufacturing technologies: The future of Internet of Things (IoT). , 2018, , .   |    | 6         |
| 22 | Expand Horizons of Microfluidic Systems: An Inkjet Printed Flexible Energy Autonomous Micropump System for Wearable and IoT Microfluidic Applications. , 2018, , . |    | 4         |
| 23 | A Novel 3D and Inkjet Printed Pressure-sensing Button-shaped Resonator. , 2019, , .  |    | 1         |