

# Dhayalan Shakthivel

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17  
papers

414  
citations

11  
h-index

20  
g-index

29  
ext. papers

685  
ext. citations

7.3  
avg, IF

4.43  
L-index

| #  | Paper                                                                                                                                                                                      | IF   | Citations |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 17 | Direct roll transfer printed silicon nanoribbon arrays based high-performance flexible electronics. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,                                     | 10.7 | 17        |
| 16 | High-performance printed electronics based on inorganic semiconducting nano to chip scale structures. <i>Nano Convergence</i> , <b>2020</b> , 7, 33                                        | 9.2  | 34        |
| 15 | Nanoribbon-Based Flexible High-Performance Transistors Fabricated at Room Temperature. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901023                                     | 6.4  | 18        |
| 14 | Metal Coated Conductive Fabrics with Graphite Electrodes and Biocompatible Gel Electrolyte for Wearable Supercapacitors. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1901107 | 6.8  | 32        |
| 13 | Glycine-Chitosan-Based Flexible Biodegradable Piezoelectric Pressure Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 9008-9016                                   | 9.5  | 107       |
| 12 | ZnO based Screen Printed Aqueous Ammonia Sensor for Water Quality Monitoring <b>2019</b> ,                                                                                                 |      | 2         |
| 11 | 1D Semiconducting Nanostructures for Flexible and Large-Area Electronics: Growth Mechanisms and Suitability <b>2019</b> ,                                                                  |      | 9         |
| 10 | Temperature Compensated Tactile Sensing Using MOSFET With P(VDF-TrFE)/BaTiO <sub>3</sub> Capacitor as Extended Gate. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 435-442               | 4    | 20        |
| 9  | Large-Area Self-Assembly of Silica Microspheres/Nanospheres by Temperature-Assisted Dip-Coating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3058-3068               | 9.5  | 46        |
| 8  | Heterogeneous integration of contact-printed semiconductor nanowires for high-performance devices on large areas. <i>Microsystems and Nanoengineering</i> , <b>2018</b> , 4, 22            | 7.7  | 25        |
| 7  | Flexible Printed Reference Electrodes for Electrochemical Applications. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800252                                                  | 6.8  | 34        |
| 6  | Si nanowire growth on sapphire: Classical incubation, reverse reaction, and steady state supersaturation. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 164302                    | 2.5  | 3         |
| 5  | Upper limb prosthetic control using toe gesture sensors <b>2015</b> ,                                                                                                                      |      | 8         |
| 4  | Vapor-liquid-solid growth of Si nanowires: A kinetic analysis. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 024317.5                                                             | 7.5  | 30        |
| 3  | Kirigami and Mogul-Patterned Ultra-Stretchable High-Performance ZnO Nanowires-Based Photodetector. <i>Advanced Materials Technologies</i> , 2100804                                        | 6.8  | 2         |
| 2  | Smart Bandage with Inductor-Capacitor Resonant Tank Based Printed Wireless Pressure Sensor on Electrospun Poly- L -Lactide Nanofibers. <i>Advanced Electronic Materials</i> , 2101348      | 6.4  | 10        |
| 1  | In Tandem Contact-Transfer Printing for High-Performance Transient Electronics. <i>Advanced Electronic Materials</i> , 2200170                                                             | 6.4  | 2         |

