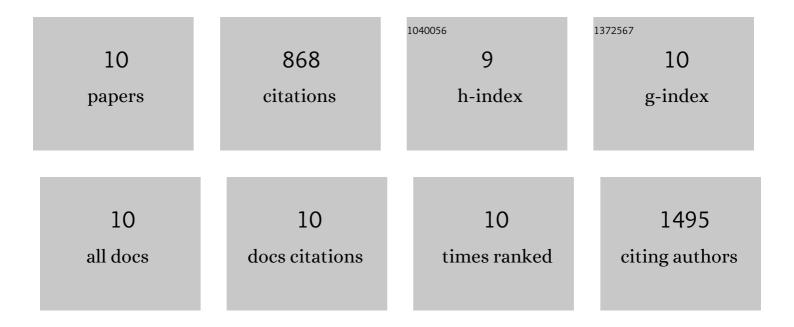
## Prashant Kumar

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Harvesting electrical energy from carbon nanotube yarn twist. Science, 2017, 357, 773-778.  | 12.6 | 306       |
| 2  | Three-dimensional printing of piezoelectric materials with designed anisotropy and directional response. Nature Materials, 2019, 18, 234-241.   | 27.5 | 298       |
| 3  | 3D printed graphene-based self-powered strain sensors for smart tires in autonomous vehicles.<br>Nature Communications, 2020, 11, 5392.   | 12.8 | 71        |
| 4  | Maximizing power generation from ambient stray magnetic fields around smart infrastructures enabling self-powered wireless devices. Energy and Environmental Science, 2020, 13, 1462-1472.                    | 30.8 | 59        |
| 5  | Lead-free epitaxial ferroelectric material integration on semiconducting (100) Nb-doped SrTiO3 for low-power non-volatile memory and efficient ultraviolet ray detection. Scientific Reports, 2015, 5, 12415. | 3.3  | 42        |
| 6  | A comprehensive optimization study on Bi <sub>2</sub> Te <sub>3</sub> -based thermoelectric generators using the Taguchi method. Sustainable Energy and Fuels, 2018, 2, 175-190.                              | 4.9  | 24        |
| 7  | Shape memory alloy engine for high efficiency low-temperature gradient thermal to electrical conversion. Applied Energy, 2019, 251, 113277.   | 10.1 | 22        |
| 8  | Taguchi optimization of bismuth-telluride based thermoelectric cooler. Journal of Applied Physics, 2017, 122, .   | 2.5  | 20        |
| 9  | Self-Powered Temperature-Mapping Sensors Based on Thermo-Magneto-Electric Generator. ACS Applied<br>Materials & Interfaces, 2018, 10, 10796-10803.  | 8.0  | 20        |
| 10 | Enhanced torsional actuation and stress coupling in Mn-modified 0.93(Na0.5Bi0.5TiO3)-0.07BaTiO3<br>lead-free piezoceramic system. Science and Technology of Advanced Materials, 2017, 18, 51-59.              | 6.1  | 6         |