

# Ravinder Pal Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2503348/publications.pdf>

Version: 2024-02-01

14  
papers

184  
citations

1478505

6  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

60  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | An in-vitro study of temperature rise during rotary ultrasonic bone drilling of human bone. Medical Engineering and Physics, 2020, 79, 33-43.  | 1.7 | 37        |
| 2  | In vitro comparison of conventional surgical and rotary ultrasonic bone drilling techniques. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 398-411.   | 1.8 | 30        |
| 3  | Experimental investigations and statistical modeling of cutting force and torque in rotary ultrasonic bone drilling of human cadaver bone. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 148-162. | 1.8 | 25        |
| 4  | Effect of Drilling Techniques on Microcracks and Pull-Out Strength of Cortical Screw Fixed in Human Tibia: An In-Vitro Study. Annals of Biomedical Engineering, 2021, 49, 382-393.   | 2.5 | 24        |
| 5  | Effects of rotary ultrasonic bone drilling on cutting force and temperature in the human bones. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 829-842.  | 1.8 | 20        |
| 6  | Influence of cutting force on temperature, microcracks and chip morphology during rotary ultrasonic bone drilling: An in-vitro study. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .   | 1.6 | 10        |
| 7  | Role of Additive Manufacturing in Industry 4.0 for Maintenance Engineering. Advances in Civil and Industrial Engineering Book Series, 2020, , 235-254.   | 0.2 | 8         |
| 8  | Thermal changes during drilling in human femur by rotary ultrasonic bone drilling machine: A histologic and ultrastructural study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1023-1033.                                   | 3.4 | 7         |
| 9  | Experimental investigation and statistical modelling of cutting speed in AL6063-W composite by wire EDM process. Materials Today: Proceedings, 2022, 62, 1408-1412.  | 1.8 | 5         |
| 10 | Comparison of Conventional and Ultrasonic Drilling on Cutting Force in Porcine and Human Femur. , 2020, , .  |     | 5         |
| 11 | Review on the various strategies adopted for the polishing of silicon wafer " A chemical perspective. Materials Today: Proceedings, 2022, 63, 62-68.   | 1.8 | 5         |
| 12 | Statistical modeling and optimization of density in a novel carbon/jute fiber reinforced hybrid composite. Materials Today: Proceedings, 2022, 63, 259-263.  | 1.8 | 4         |
| 13 | Influence of machining parameters on surface roughness in AL6063-W composite by wire EDM process: Experimental investigations and process optimization. Materials Today: Proceedings, 2022, 63, 192-196.   | 1.8 | 3         |
| 14 | Experimental Investigations and Statistical Modeling of Specific Wear and Coefficient of Friction in a Novel Carbon Fiber-Reinforced Composite. International Journal of Surface Engineering and Interdisciplinary Materials Science, 2022, 10, 1-17.              | 0.4 | 1         |