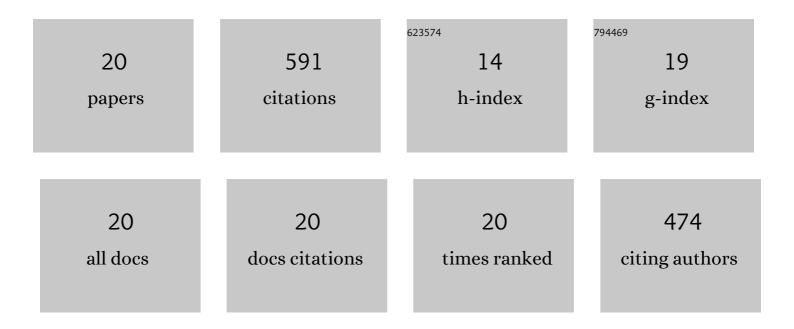
## Rui Pan

## List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Triple-Scale Superhydrophobic Surface with Excellent Anti-Icing and Icephobic Performance via<br>Ultrafast Laser Hybrid Fabrication. ACS Applied Materials & Interfaces, 2021, 13, 1743-1753.  | 4.0 | 147       |
| 2  | Extremely high Cassie–Baxter state stability of superhydrophobic surfaces <i>via</i> precisely tunable<br>dual-scale and triple-scale micro–nano structures. Journal of Materials Chemistry A, 2019, 7,<br>18050-18062.                    | 5.2 | 86        |
| 3  | An integrative bioinspired venation network with ultra-contrasting wettability for large-scale strongly self-driven and efficient water collection. Nanoscale, 2019, 11, 8940-8949.  | 2.8 | 55        |
| 4  | Ultrafast Laser Enabling Hierarchical Structures for Versatile Superhydrophobicity with Enhanced<br>Cassie–Baxter Stability and Durability. Langmuir, 2019, 35, 16693-16711.   | 1.6 | 48        |
| 5  | Wettability transition modes of aluminum surfaces with various micro/nanostructures produced by a femtosecond laser. Journal of Laser Applications, 2019, 31, .  | 0.8 | 39        |
| 6  | Atto-Molar Raman detection on patterned superhydrophilic-superhydrophobic platform via localizable evaporation enrichment. Sensors and Actuators B: Chemical, 2021, 326, 128826.   | 4.0 | 29        |
| 7  | Homogenization of the zirconium carbide–titanium interface domain. Scripta Materialia, 2016, 112,<br>42-45.  | 2.6 | 26        |
| 8  | A short review on functionalized metallic surfaces by ultrafast laser micromachining. International<br>Journal of Advanced Manufacturing Technology, 2022, 119, 6919-6948.   | 1.5 | 23        |
| 9  | Three-Dimensional and In Situ-Activated Spinel Oxide Nanoporous Clusters Derived from Stainless<br>Steel for Efficient and Durable Water Oxidation. ACS Applied Materials & Interfaces, 2020, 12,<br>13971-13981.                          | 4.0 | 21        |
| 10 | Laserâ€Assisted Doping and Architecture Engineering of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Highly Enhanced Oxygen Evolution Reaction. ChemSusChem, 2019, 12, 3562-3570.   | 3.6 | 19        |
| 11 | Oil-triggered switchable wettability on patterned alternating air/lubricant-infused superamphiphobic<br>surfaces. Journal of Materials Chemistry A, 2020, 8, 6647-6660.  | 5.2 | 19        |
| 12 | Interfacial energy as the driving force for diffusion bonding of ceramics. Acta Materialia, 2020, 186, 405-414.  | 3.8 | 19        |
| 13 | Design of the multiple transition metals interlayer process to diffusion bond ZrC ceramics. Materials and Design, 2018, 137, 47-55.  | 3.3 | 15        |
| 14 | Ultrafast laser hybrid fabrication of hierarchical 3D structures of nanorods on microcones for<br>superhydrophobic surfaces with excellent Cassie state stability and mechanical durability. Journal of<br>Laser Applications, 2020, 32, . | 0.8 | 14        |
| 15 | Cross-diffusion phenomena within a ZrC x – Zr – ZrC x joint. Journal of the European Ceramic Society,<br>2017, 37, 2779-2786.  | 2.8 | 11        |
| 16 | Pulsed laser-assisted synthesis of defect-rich NiFe-based oxides for efficient oxygen evolution reaction. Journal of Laser Applications, 2020, 32, 022032.   | 0.8 | 7         |
| 17 | Fabrication of superwetting surfaces by ultrafast lasers and mechanical durability of superhydrophobic surfaces. Chinese Science Bulletin, 2019, 64, 1268-1289.  | 0.4 | 6         |
| 18 | Ultrafast laser micro-nano structured superhydrophobic teflon surfaces for enhanced SERS detection via evaporation concentration. Advanced Optical Technologies, 2020, 9, 89-100.  | 0.9 | 4         |

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Flexible control over optical reflection property of metallic surfaces via pulse laser. Journal of Laser Applications, 2019, 31, 022502.                      | 0.8 | 3         |
| 20 | The Physiological Basis of Genotypic Variations in Low-Oxygen Stress Tolerance in the Vegetable<br>Sweet Potato. Russian Journal of Plant Physiology, 0, , 1. | 0.5 | 0         |