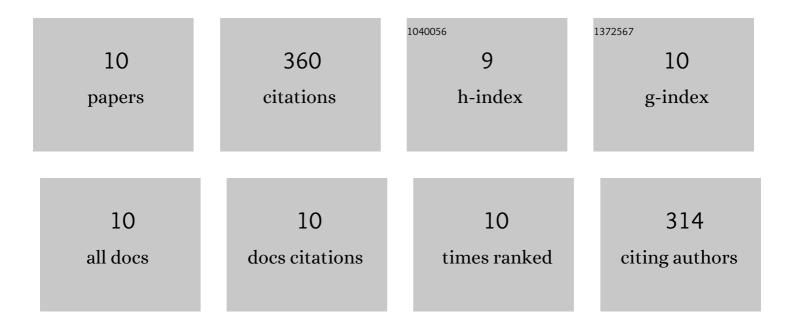
Sihai Luo

List of Publications by Year in descending order

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SILATIO

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Fatigue strength improvement in Ti-6Al-4V subjected to foreign object damage by combined treatment of laser shock peening and shot peening. International Journal of Fatigue, 2022, 155, 106581. | 5.7 | 32 |
| 2 | Feasibility study of microscale laser shock processing without absorbing coating to improve high-cycle fatigue performance of DZ17G directionally solidified superalloy. Journal of Laser Applications, 2019, 31, 042007. | 1.7 | 2 |
| 3 | Simulation and Experimental Study on Residual Stress Distribution in Titanium Alloy Treated by Laser Shock Peening with Flat-Top and Gaussian Laser Beams. Materials, 2019, 12, 1343. | 2.9 | 23 |
| 4 | Effect of Residual Stress on S–N Curves and Fracture Morphology of Ti6Al4V Titanium Alloy after Laser Shock Peening without Protective Coating. Materials, 2019, 12, 3799. | 2.9 | 14 |
| 5 | The compound process of laser shock peening and vibratory finishing and its effect on fatigue strength of Ti-3.5Mo-6.5Al-1.5Zr-0.25Si titanium alloy. Journal of Alloys and Compounds, 2019, 783, 828-835. | 5.5 | 43 |
| 6 | Regain the fatigue strength of laser additive manufactured Ti alloy via laser shock peening. Journal of Alloys and Compounds, 2018, 750, 626-635. | 5.5 | 77 |
| 7 | High Cycle Fatigue Performance in Laser Shock Peened TC4 Titanium Alloys Subjected to Foreign Object Damage. Journal of Materials Engineering and Performance, 2018, 27, 1466-1474. | 2.5 | 30 |
| 8 | Surface Nanocrystallization and Amorphization of Dual-Phase TC11 Titanium Alloys under Laser Induced Ultrahigh Strain-Rate Plastic Deformation. Materials, 2018, 11, 563. | 2.9 | 16 |
| 9 | Laser shock peening induced surface nanocrystallization and martensite transformation in austenitic stainless steel. Journal of Alloys and Compounds, 2016, 655, 66-70. | 5.5 | 78 |
| 10 | The strengthening mechanism of a nickel-based alloy after laser shock processing at high temperatures. Science and Technology of Advanced Materials, 2013, 14, 055010. | 6.1 | 45 |