

Niroj Maharjan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6083185/publications.pdf>

Version: 2024-02-01

20
papers

270
citations

840776

11
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

224
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Modification of Cold Sprayed CoCrMo Alloy Coatings via Laser Shock Peening. Lecture Notes in Mechanical Engineering, 2022, , 185-188. | 0.4 | 2 |
| 2 | Effect of Ablative Layer Thickness on Laser Shock Peening Process Intensity. Lecture Notes in Mechanical Engineering, 2022, , 26-29. | 0.4 | 0 |
| 3 | Fatigue performance of laser shock peened Ti6Al4V and Al6061 alloys. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 733-747. | 3.4 | 21 |
| 4 | Post-Processing of Cold Sprayed Ti-6Al-4V Coatings by Mechanical Peening. Metals, 2021, 11, 1038. | 2.3 | 11 |
| 5 | Hardening Efficiency and Microstructural Changes during Laser Surface Hardening of 50CrMo4 Steel. Metals, 2021, 11, 2015. | 2.3 | 5 |
| 6 | LASER SURFACE HARDENING OF AISI 1055 STEEL IN WATER SUBMERGED CONDITION. Surface Review and Letters, 2020, 27, 1950087. | 1.1 | 0 |
| 7 | Effects of post-processing route on fatigue performance of laser powder bed fusion Inconel 718. Additive Manufacturing, 2020, 36, 101442. | 3.0 | 15 |
| 8 | Laser peening of 420 martensitic stainless steel using ultrashort laser pulses. Procedia CIRP, 2020, 87, 279-284. | 1.9 | 7 |
| 9 | Robotic hammer peening-induced martensite in austenitic steels: Spatial distributions of plastic deformation and phase transformation. Procedia CIRP, 2020, 87, 297-301. | 1.9 | 11 |
| 10 | Direct laser hardening of AISI 1020 steel under controlled gas atmosphere. Surface and Coatings Technology, 2020, 385, 125399. | 4.8 | 33 |
| 11 | Effect of Laser-Induced Microstructure in Cavitation Erosion Performance of Martensitic Stainless Steel. Lecture Notes in Mechanical Engineering, 2020, , 321-329. | 0.4 | 0 |
| 12 | SURFACE ABLATION OF 52100 BEARING STEEL USING FEMTOSECOND LASER IRRADIATION. Surface Review and Letters, 2019, 26, 1850227. | 1.1 | 3 |
| 13 | Corrosion behavior of laser hardened 50CrMo4 (AISI 4150) steel: A depth-wise analysis. Applied Surface Science, 2019, 494, 941-951. | 6.1 | 13 |
| 14 | Comparative study of laser surface hardening of 50CrMo4 steel using continuous-wave laser and pulsed lasers with ms, ns, ps and fs pulse duration. Surface and Coatings Technology, 2019, 366, 311-320. | 4.8 | 35 |
| 15 | Underwater laser hardening of bearing steels. Journal of Manufacturing Processes, 2019, 47, 52-61. | 5.9 | 18 |
| 16 | An Arrhenius equation-based model to predict the residual stress relief of post weld heat treatment of Ti-6Al-4V plate. Journal of Manufacturing Processes, 2018, 32, 763-772. | 5.9 | 41 |
| 17 | Decarburization during laser surface processing of steel. Applied Physics A: Materials Science and Processing, 2018, 124, 1. | 2.3 | 17 |
| 18 | Ablation morphology and ablation threshold of Ti-6Al-4V alloy during femtosecond laser processing. Applied Physics A: Materials Science and Processing, 2018, 124, 1. | 2.3 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------|----|-----------|
| 19 | Influence of operating parameters on morphology of laser hardened surfaces. , 2018, , . | | 4 |
| 20 | Femtosecond laser cleaning for aerospace manufacturing and remanufacturing. , 2017, , . | | 7 |