

# 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	An Arrhenius equation-based model to predict the residual stress relief of post weld heat treatment of Ti-6Al-4V plate. <i>Journal of Manufacturing Processes</i> , 2018, 32, 763-772.	5.9	41
2	Comparative study of laser surface hardening of 50CrMo4 steel using continuous-wave laser and pulsed lasers with ms, ns, ps and fs pulse duration. <i>Surface and Coatings Technology</i> , 2019, 366, 311-320.	4.8	35
3	Direct laser hardening of AISI 1020 steel under controlled gas atmosphere. <i>Surface and Coatings Technology</i> , 2020, 385, 125399.	4.8	33
4	Ablation morphology and ablation threshold of Ti-6Al-4V alloy during femtosecond laser processing. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	27
5	Fatigue performance of laser shock peened Ti6Al4V and Al6061 alloys. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 733-747.	3.4	21
6	Underwater laser hardening of bearing steels. <i>Journal of Manufacturing Processes</i> , 2019, 47, 52-61.	5.9	18
7	Decarburization during laser surface processing of steel. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	17
8	Effects of post-processing route on fatigue performance of laser powder bed fusion Inconel 718. <i>Additive Manufacturing</i> , 2020, 36, 101442.	3.0	15
9	Corrosion behavior of laser hardened 50CrMo4 (AISI 4150) steel: A depth-wise analysis. <i>Applied Surface Science</i> , 2019, 494, 941-951.	6.1	13
10	Robotic hammer peening-induced martensite in austenitic steels: Spatial distributions of plastic deformation and phase transformation. <i>Procedia CIRP</i> , 2020, 87, 297-301.	1.9	11
11	Post-Processing of Cold Sprayed Ti-6Al-4V Coatings by Mechanical Peening. <i>Metals</i> , 2021, 11, 1038.	2.3	11
12	Femtosecond laser cleaning for aerospace manufacturing and remanufacturing. , 2017, , .		7
13	Laser peening of 420 martensitic stainless steel using ultrashort laser pulses. <i>Procedia CIRP</i> , 2020, 87, 279-284.	1.9	7
14	Hardening Efficiency and Microstructural Changes during Laser Surface Hardening of 50CrMo4 Steel. <i>Metals</i> , 2021, 11, 2015.	2.3	5
15	Influence of operating parameters on morphology of laser hardened surfaces. , 2018, , .		4
16	SURFACE ABLATION OF 52100 BEARING STEEL USING FEMTOSECOND LASER IRRADIATION. <i>Surface Review and Letters</i> , 2019, 26, 1850227.	1.1	3
17	Modification of Cold Sprayed CoCrMo Alloy Coatings via Laser Shock Peening. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 185-188.	0.4	2
18	LASER SURFACE HARDENING OF AISI 1055 STEEL IN WATER SUBMERGED CONDITION. <i>Surface Review and Letters</i> , 2020, 27, 1950087.	1.1	0

#	ARTICLE	IF	CITATIONS
19	Effect of Ablative Layer Thickness on Laser Shock Peening Process Intensity. Lecture Notes in Mechanical Engineering, 2022, , 26-29.	0.4	0
20	Effect of Laser-Induced Microstructure in Cavitation Erosion Performance of Martensitic Stainless Steel. Lecture Notes in Mechanical Engineering, 2020, , 321-329.	0.4	0