

Emmanuel Agyenim-Boateng

List of Publications by Year in descending order

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papers

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218
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#	ARTICLE	IF	CITATIONS
1	Effect of laser peening with different power densities on vibration fatigue resistance of hydrogenated TC4 titanium alloy. <i>International Journal of Fatigue</i> , 2020, 131, 105335.	5.7	29
2	Experimental study and finite element simulation of hydrogen permeation resistance of Ti-6Al-4V alloy strengthened by laser peening. <i>Surface and Coatings Technology</i> , 2020, 400, 126217.	4.8	7
3	Effects of laser peening on tensile properties and martensitic transformation of AISI 316L stainless steel in a hydrogen-rich environment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 788, 139543.	5.6	13
4	Investigating the state of renewable energy and concept of pump as turbine for energy generation development. <i>Energy Reports</i> , 2020, 6, 60-66.	5.1	10
5	Effect of laser peening on friction and wear behavior of medical Ti6Al4V alloy. <i>Optics and Laser Technology</i> , 2019, 109, 263-269.	4.6	59
6	Effects of laser peening with different laser power densities on the mechanical properties of hydrogenated TC4 titanium alloy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17114-17126.	7.1	17
7	Strengthening mechanism and hydrogen-induced crack resistance of AISI 316L stainless steel subjected to laser peening at different power densities. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11263-11274.	7.1	20
8	Influence of laser peening on the hydrogen embrittlement resistance of 316L stainless steel. <i>Surface and Coatings Technology</i> , 2017, 328, 44-53.	4.8	36
9	Effects of cryogenic treatment on mechanical properties and micro-structures of IN718 super-alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 707, 612-619.	5.6	38
10	Tensile Properties and Microstructures of a 2024-T351 Aluminum Alloy Subjected to Cryogenic Treatment. <i>Metals</i> , 2016, 6, 279.	2.3	32
11	Residual Stress Distribution and Microstructure Evolution of AA 6061-T6 Treated by Warm Laser Peening. <i>Metals</i> , 2016, 6, 292.	2.3	6