

# Loïc Malet

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

342  
citations

759233

12  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

418  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Influence of thermo-mechanical processing on structure and mechanical properties of a new metastable $\beta_2$ Ti-29Nb-2Mo-6Zr alloy with low Young's modulus. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153078.  | 5.5 | 20        |
| 2  | Skeletal integrity of a marine keystone predator ( <i>Asterias rubens</i> ) threatened by ocean acidification. <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 526, 151335.   | 1.5 | 5         |
| 3  | Effect of Zn on the grain boundary precipitates and resulting alkaline etching of recycled Al-Mg-Si-Cu alloys. <i>Journal of Alloys and Compounds</i> , 2019, 794, 435-442.   | 5.5 | 20        |
| 4  | Production, microstructure and mechanical properties of cold-rolled Ti-Nb-Mo-Zr alloys for orthopedic applications. <i>Journal of Alloys and Compounds</i> , 2018, 743, 141-145.  | 5.5 | 30        |
| 5  | Chemical, morphological and structural characterisation of electroless duplex NiP/NiB coatings on steel. <i>Surface Engineering</i> , 2018, 34, 475-484.  | 2.2 | 20        |
| 6  | On the Effect of Q&P Processing on the Stretch-flange-formability of 0.2C Ultra-high Strength Steel Sheets. <i>ISIJ International</i> , 2018, 58, 1341-1350.  | 1.4 | 20        |
| 7  | Micro and Nanoscale Characterization of Complex Multilayer-Structured White Etching Layer in Rails. <i>Metals</i> , 2018, 8, 749.   | 2.3 | 17        |
| 8  | Humidity dependence of transport properties of composite materials used for thermochemical heat storage and thermal transformer appliances. <i>Journal of Energy Storage</i> , 2018, 18, 160-170.   | 8.1 | 12        |
| 9  | Influence of Heat Treatments on Microstructure and Magnetic Domains in Duplex Stainless Steel S31803. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 3515-3524.   | 2.2 | 7         |
| 10 | On the relationship between the multiphase microstructure and the mechanical properties of a 0.2C quenched and partitioned steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 701, 254-263.                       | 5.6 | 51        |
| 11 | Galvanostatic Anodizing of Additive Manufactured Al-Si10-Mg Alloy. <i>Journal of the Electrochemical Society</i> , 2017, 164, C1027-C1034.  | 2.9 | 30        |
| 12 | Microstructure and Mechanical Properties of Ti-12Mo-8Nb Alloy Hot Swaged and Treated for Orthopedic Applications. <i>Materials Research</i> , 2017, 20, 526-531.  | 1.3 | 13        |
| 13 | Dislocation/hydrogen interaction mechanisms in hydrided nanocrystalline palladium films. <i>Acta Materialia</i> , 2016, 111, 253-261.   | 7.9 | 28        |
| 14 | On the relation between orientation relationships predicted by the phenomenological theory and internal twins in plate martensite. <i>Scripta Materialia</i> , 2015, 102, 83-86.  | 5.2 | 3         |
| 15 | Crystallographic Reconstruction Study of the Effects of Finish Rolling Temperature on the Variant Selection During Bainite Transformation in C-Mn High-Strength Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 5937-5955. | 2.2 | 12        |
| 16 | An alternative to the crystallographic reconstruction of austenite in steels. <i>Materials Characterization</i> , 2014, 89, 23-32.  | 4.4 | 51        |
| 17 | Variant Selection and Texture in an AISI 301LN Stainless Steel. <i>Materials Science Forum</i> , 2011, 702-703, 850-853.  | 0.3 | 0         |
| 18 | Quantitative Analysis of Variant Selection and Orientation Relationships during the $\beta$ -to- $\alpha$ Phase Transformation in Hot-Rolled TRIP Steels. <i>Advanced Materials Research</i> , 0, 89-91, 359-364.   | 0.3 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Grain Scale Analysis of Variant Selection during the Gamma-Epsilon-Alpha' Phase Transformation in Austenitic Steels. Solid State Phenomena, 0, 172-174, 84-89. | 0.3 | 2         |