

Marianthi Bouzouni

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Modeling the microstructure evolution during quenching & partitioning of a conventional CrMo alloy steel. Computational Materials Science, 2022, 206, 111265. | 3.0 | 3 |
| 2 | Microstructure, Phase Formation and Heat-Treating of Novel Cast Al-Mg-Zn-Cu-Si Lightweight Complex Concentrated Aluminum Based Alloy. Materials, 2022, 15, 3169. | 2.9 | 6 |
| 3 | Phase Field Simulation of AA6XXX Aluminium Alloys Heat Treatment. Metals, 2021, 11, 241. | 2.3 | 10 |
| 4 | The formation of a mixed martensitic/bainitic microstructure and the retainment of austenite in a medium-carbon steel during ultra-fast heating. Materials Today Communications, 2021, 26, 101994. | 1.9 | 6 |
| 5 | How to Design the Utilization of Larger Scrap Share in Aluminum Production. Materials Proceedings, 2021, 5, 43. | 0.2 | 0 |
| 6 | Opportunities of AI and ICME in Metals Recycling, Production and Processing. Materials Proceedings, 2021, 5, . | 0.2 | 0 |
| 7 | Development of Complex Concentrated Alloys (CCAs) Utilizing Scrap to Preserve Critical Raw Materials. Materials Proceedings, 2021, 5, 5109. | 0.2 | 2 |
| 8 | Failure and fracture analysis of a high-alloy Ni-Al bronze chain connector of a tube drawing machine. Engineering Failure Analysis, 2020, 110, 104432. | 4.0 | 3 |
| 9 | Simulation and characterisation of the microstructure of ultra-fast heated dual-phase steel. Materials Science and Technology, 2020, 36, 1282-1291. | 1.6 | 3 |
| 10 | Ultrafast Heating and Initial Microstructure Effect on Phase Transformation Evolution of a CrMo Steel. Metals, 2019, 9, 72. | 2.3 | 3 |
| 11 | Effect of Ultra-Fast Heat Treatment on the Subsequent Formation of Mixed Martensitic/Bainitic Microstructure with Carbides in a CrMo Medium Carbon Steel. Metals, 2019, 9, 312. | 2.3 | 16 |
| 12 | Hydrogen Induced Crack Development in Submerged Arc Welded Steel Pipes. MATEC Web of Conferences, 2018, 188, 04010. | 0.2 | 0 |
| 13 | Modeling of Crucial Process Parameters for the Continuous Improvement of Special Steels at the Stomana Plant. Journal of Materials Engineering and Performance, 2018, 27, 5130-5135. | 2.5 | 1 |
| 14 | Theoretical Study of Particle Dissolution during Homogenization in Cu-Fe-P Alloy. Metals, 2018, 8, 455. | 2.3 | 17 |
| 15 | Study of Carbide Dissolution and Austenite Formation during Ultra-Fast Heating in Medium Carbon Chromium Molybdenum Steel. Metals, 2018, 8, 646. | 2.3 | 24 |
| 16 | Modeling of the Steel Microstructure Gained after the Application of an Ultra-Fast Heat Treatment. Journal of Nanoscience With Advanced Technology, 2017, 2, 15-19. | 0.8 | 8 |
| 17 | Preliminary Study of Carbide Dissolution during an Ultra-Fast Heat Treatment in Chromium Molybdenum Steel. International Journal of Metallurgy and Metal Physics, 2017, 2, 1-7. | 0.3 | 5 |