# Jeffrey Jones Venezuela

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1171563/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 31<br>papers | 1,340<br>citations | 331670<br>21<br>h-index | 434195<br>31<br>g-index |
| 33<br>all docs | 33<br>docs citations | 33<br>times ranked | 850<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | In vivo performance of a rare earth free Mgâ€“Znâ€“Ca alloy manufactured using twin roll casting for potential applications in the cranial and maxillofacial fixation devices. Bioactive Materials, 2022, 12, 85-96. | 15.6 | 10 |
| 2 | Zinc-nutrient element based alloys for absorbable wound closure devices fabrication: Current status, challenges, and future prospects. Biomaterials, 2022, 280, 121301. | 11.4 | 33 |
| 3 | Design, mechanical and degradation requirements of biodegradable metal mesh for pelvic floor reconstruction. Biomaterials Science, 2022, 10, 3371-3392. | 5.4 | 6 |
| 4 | Microstructure refinement in biodegradable Zn-Cu-Ca alloy for enhanced mechanical properties, degradation homogeneity, and strength retention in simulated physiological condition. Journal of Materials Science and Technology, 2022, 125, 1-14. | 10.7 | 17 |
| 5 | The influence of phosphorus on the temper embrittlement and hydrogen embrittlement of some dual-phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 854, 143379. | 5.6 | 5 |
| 6 | Influence of hydrogen on the Sâ€“N fatigue of DP1180 advanced high-strength steel. Corrosion Science, 2022, 205, 110465. | 6.6 | 4 |
| 7 | In Vivo Evaluation of Bioabsorbable Feâ€35Mnâ€1Ag: First Reports on In Vivo Hydrogen Gas Evolution in Feâ€Based Implants. Advanced Healthcare Materials, 2021, 10, e2000667. | 7.6 | 22 |
| 8 | The influence of Ca and Cu additions on the microstructure, mechanical and degradation properties of Znâ€“Caâ€“Cu alloys for absorbable wound closure device applications. Bioactive Materials, 2021, 6, 1436-1451. | 15.6 | 42 |
| 9 | Hydrogen-induced delayed fracture of a 1180â€¯MPa martensitic advanced high-strength steel under U-bend loading. Materials Today Communications, 2021, 26, 101887. | 1.9 | 3 |
| 10 | Effect of vanadium and rare earth microalloying on the hydrogen embrittlement susceptibility of a Fe-18Mn-0.6C TWIP steel studied using the linearly increasing stress test. Corrosion Science, 2021, 185, 109440. | 6.6 | 27 |
| 11 | Hydrogen-induced fast fracture in notched 1500 and 1700 MPa class automotive martensitic advanced high-strength steel. Corrosion Science, 2021, 188, 109550. | 6.6 | 21 |
| 12 | Ultrasonic treatment for the refinement of brittle CaZn13 phases in a biomedical Zn-Cu-Ca alloy. Materials Letters, 2021, 305, 130754. | 2.6 | 7 |
| 13 | Additively manufactured iron-manganese for biodegradable porous load-bearing bone scaffold applications. Acta Biomaterialia, 2020, 103, 346-360. | 8.3 | 111 |
| 14 | Hydrogen embrittlement of an automotive 1700 MPa martensitic advanced high-strength steel. Corrosion Science, 2020, 171, 108726. | 6.6 | 42 |
| 15 | Effect of plastic strain damage on the hydrogen embrittlement of a dual-phase (DP) and a quenching and partitioning (Q&P) advanced high-strength steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 785, 139343. | 5.6 | 20 |
| 16 | <i>In</i>-<i>Situ</i> Observation of the Continuous Phase Transition in Determining the High Thermoelectric Performance of Polycrystalline Sn<sub>0.98</sub>Se. Journal of Physical Chemistry Letters, 2019, 10, 6512-6517. | 4.6 | 32 |
| 17 | Exploring the Role of Manganese on the Microstructure, Mechanical Properties, Biodegradability, and Biocompatibility of Porous Iron-Based Scaffolds. ACS Biomaterials Science and Engineering, 2019, 5, 1686-1702. | 5.2 | 62 |
| 18 | Further study of the hydrogen embrittlement of martensitic advanced high-strength steel in simulated auto service conditions. Corrosion Science, 2018, 135, 120-135. | 6.6 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Equivalent Hydrogen Fugacity during Electrochemical Charging of 980DP Steel Determined by Thermal Desorption Spectroscopy. Advanced Engineering Materials, 2018, 20, 1700469. | 3.5 | 21 |
| 20 | Hydrogen Trapping in Some Automotive Martensitic Advanced Highâ€Strength Steels. Advanced Engineering Materials, 2018, 20, 1700468. | 3.5 | 46 |
| 21 | The influence of microstructure on the hydrogen embrittlement susceptibility of martensitic advanced high strength steels. Materials Today Communications, 2018, 17, 1-14. | 1.9 | 72 |
| 22 | Evaluation of automobile service performance using laboratory testing. Materials Science and Technology, 2018, 34, 1893-1909. | 1.6 | 13 |
| 23 | Evaluation of the influence of hydrogen on some commercial DP, Q&P and TWIP advanced high-strength steels during automobile service. Engineering Failure Analysis, 2018, 94, 249-273. | 4.0 | 24 |
| 24 | Hydrogen influence on some advanced high-strength steels. Corrosion Science, 2017, 125, 114-138. | 6.6 | 90 |
| 25 | Equivalent hydrogen fugacity during electrochemical charging of some martensitic advanced high-strength steels. Corrosion Science, 2017, 127, 45-58. | 6.6 | 44 |
| 26 | Influence of hydrogen on the mechanical and fracture properties of some martensitic advanced high strength steels in simulated service conditions. Corrosion Science, 2016, 111, 602-624. | 6.6 | 65 |
| 27 | Hydrogen Concentration in Dualâ€Phase (DP) and Quenched and Partitioned (Q&P) Advanced Highâ€Strength Steels (AHSS) under Simulated Service Conditions Compared with Cathodic Charging Conditions. Advanced Engineering Materials, 2016, 18, 1588-1599. | 3.5 | 28 |
| 28 | Hydrogen trapping in some advanced high strength steels. Corrosion Science, 2016, 111, 770-785. | 6.6 | 105 |
| 29 | A review of the influence of hydrogen on the mechanical properties of DP, TRIP, and TWIP advanced high-strength steels for auto construction. Corrosion Reviews, 2016, 34, 127-152. | 2.0 | 70 |
| 30 | A review of hydrogen embrittlement of martensitic advanced high-strength steels. Corrosion Reviews, 2016, 34, 153-186. | 2.0 | 141 |
| 31 | The influence of hydrogen on the mechanical and fracture properties of some martensitic advanced high strength steels studied using the linearly increasing stress test. Corrosion Science, 2015, 99, 98-117. | 6.6 | 115 |