

Tessaleno Campos Devezas

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,270
citations

430874

18
h-index

377865

34
g-index

58
all docs

58
docs citations

58
times ranked

1077
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | High-Altitude Platforms - Present Situation and Technology Trends. Journal of Aerospace Technology and Management, 2016, 8, 249-262. | 0.3 | 147 |
| 2 | Anisotropy field of small magnetic particles as measured by resonance. Journal of Applied Physics, 1978, 49, 2466. | 2.5 | 137 |
| 3 | Cork agglomerates as an ideal core material in lightweight structures. Materials & Design, 2010, 31, 425-432. | 5.1 | 117 |
| 4 | The biological determinants of long-wave behavior in socioeconomic growth and development. Technological Forecasting and Social Change, 2001, 68, 1-57. | 11.6 | 95 |
| 5 | The growth dynamics of the Internet and the long wave theory. Technological Forecasting and Social Change, 2005, 72, 913-935. | 11.6 | 82 |
| 6 | Energy scenarios: Toward a new energy paradigm. Futures, 2008, 40, 1-16. | 2.5 | 62 |
| 7 | Power law behavior and world system evolution: A millennial learning process. Technological Forecasting and Social Change, 2003, 70, 819-859. | 11.6 | 58 |
| 8 | Evolutionary theory of technological change: State-of-the-art and new approaches. Technological Forecasting and Social Change, 2005, 72, 1137-1152. | 11.6 | 48 |
| 9 | Energy efficiency of lighting installations: Software application and experimental validation. Energy Reports, 2015, 1, 110-115. | 5.1 | 44 |
| 10 | A simple extension of dematerialization theory: Incorporation of technical progress and the rebound effect. Technological Forecasting and Social Change, 2017, 117, 196-205. | 11.6 | 44 |
| 11 | The nonlinear dynamics of technoeconomic systems. Technological Forecasting and Social Change, 2002, 69, 317-357. | 11.6 | 36 |
| 12 | Mechanical Characterization of Composites with Embedded Optical Fibers. Journal of Composite Materials, 2005, 39, 1261-1281. | 2.4 | 30 |
| 13 | Crises, depressions, and expansions: Global analysis and secular trends. Technological Forecasting and Social Change, 2010, 77, 739-761. | 11.6 | 29 |
| 14 | Technological innovation and the long wave theory revisited. Technological Forecasting and Social Change, 2012, 79, 414-416. | 11.6 | 29 |
| 15 | How many singularities are near and how will they disrupt human history?. Technological Forecasting and Social Change, 2011, 78, 1365-1378. | 11.6 | 27 |
| 16 | Consumption dynamics of primary-energy sources: The century of alternative energies. Applied Energy, 2007, 84, 763-770. | 10.1 | 25 |
| 17 | Effect of particle size distribution and calcium aluminate cement on the rheological behaviour of all-alumina refractory castables. Powder Technology, 2012, 226, 107-113. | 4.2 | 23 |
| 18 | The struggle for space: Past and future of the space race. Technological Forecasting and Social Change, 2012, 79, 963-985. | 11.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Exploring the Use of Cork Based Composites for Aerospace Applications. Materials Science Forum, 0, 636-637, 260-265. | 0.3 | 16 |
| 20 | Influence of cable losses on the economic analysis of efficient and sustainable electrical equipment. Energy, 2014, 65, 145-151. | 8.8 | 16 |
| 21 | The Portuguese as System-builders in the Fifteenth and Sixteenth Centuries: A Case Study on the Role of Technology in the Evolution of the World System. Globalizations, 2006, 3, 507-523. | 2.7 | 13 |
| 22 | Designing particle sizing and packing for flowability and sintered mechanical strength. Journal of the European Ceramic Society, 2010, 30, 2955-2962. | 5.7 | 12 |
| 23 | Thermomechanical evaluation of self-flowing refractory castables with and without the addition of aluminate cement. Ceramics International, 2012, 38, 3483-3488. | 4.8 | 12 |
| 24 | Forecasting the labor intensity and labor income share for G7 countries in the digital age. Technological Forecasting and Social Change, 2021, 167, 120675. | 11.6 | 12 |
| 25 | Globalization as Evolutionary Process. , 0, , . | | 12 |
| 26 | Specifying technology and rebound in the IPAT identity. Procedia Manufacturing, 2018, 21, 476-485. | 1.9 | 10 |
| 27 | Trends in aviation: rebound effect and the struggle composites x aluminum. Technological Forecasting and Social Change, 2020, 160, 120241. | 11.6 | 10 |
| 28 | The struggle SARS-CoV-2 vs. homo sapiensâ€“Why the earth stood still, and how will it keep moving on?. Technological Forecasting and Social Change, 2020, 160, 120264. | 11.6 | 10 |
| 29 | Fatigue damage of carbonâ€“epoxy laminates with embedded optical fibres. Materials Science and Technology, 2003, 19, 809-814. | 1.6 | 7 |
| 30 | Ferrimagnetic Resonance Study of the Growth Rate of Super-paramagnetic Precipitates of Magnesioferrite in MgO. Journal of the American Ceramic Society, 1976, 59, 55-56. | 3.8 | 6 |
| 31 | Statistical Modelling of the Particle Size Composition of an Alumina Matrix for No-Cement Self-Flowing Refractory Castables. Materials Science Forum, 2006, 514-516, 604-608. | 0.3 | 6 |
| 32 | Do R&D and licensing strategies influence start-ups' growth?. International Journal of Entrepreneurship and Small Business, 2015, 25, 148. | 0.2 | 6 |
| 33 | Space Propulsion: a Survey Study About Current and Future Technologies. Journal of Aerospace Technology and Management, 0, 10, . | 0.3 | 6 |
| 34 | Particle Distribution Design in a Self-Flow Alumina Refractory Castable without Cement. Advances in Science and Technology, 2006, 45, 2260. | 0.2 | 5 |
| 35 | MPT Influence on the Rheological Behaviour of Self-Flow Refractory Castables. Materials Science Forum, 0, 587-588, 133-137. | 0.3 | 5 |
| 36 | Socio-Economic Development and Primary Energy Sources Substitution Towards Decarbonization. Low Carbon Economy, 2011, 02, 49-53. | 1.2 | 5 |

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|----|---|------|-----------|
| 37 | Application of a Bibliometric Tool for Studying Space Technology Trends. Journal of Aerospace Technology and Management, 0, 10, . | 0.3 | 5 |
| 38 | Near-Term Indications and Models of a Singularity. World-systems Evolution and Global Futures, 2020, , 213-224. | 0.1 | 5 |
| 39 | On the global time evolution of the Covid-19 pandemic: Logistic modeling. Technological Forecasting and Social Change, 2022, 175, 121387. | 11.6 | 5 |
| 40 | On Phase Transitions, Catastrophes, and Sudden Changes. Technological Forecasting and Social Change, 2010, 77, 1412-1415. | 11.6 | 4 |
| 41 | Political Globalization is Global Political Evolution. World Futures, 2007, 63, 308-323. | 1.0 | 3 |
| 42 | Reduction of greenhouse gas emissions resulting from decreased losses in the conductors of an electrical installation. Energy Conversion and Management, 2014, 87, 787-795. | 9.2 | 3 |
| 43 | A Transforming Scenario: The New Space Agenda. Journal of Aerospace Technology and Management, 2016, 8, 5-6. | 0.3 | 3 |
| 44 | Influence of Surface Area on the Flowability Behaviour of Self-Flow Refractory Castables. Materials Science Forum, 0, 636-637, 124-129. | 0.3 | 2 |
| 45 | Aktivierungsenthalpien und Mechanismen der unterkritischen Rißausbreitung in Aluminiumoxidkeramiken. Materialwissenschaft Und Werkstofftechnik, 1984, 15, 65-72. | 0.9 | 1 |
| 46 | Design of the Particle Size Composition of an Alumina Powder Matrix for Maximum Flowability and Minimum Water Content. Materials Science Forum, 2006, 530-531, 425-430. | 0.3 | 1 |
| 47 | Experimental validation of the influence of cable losses in the economic analysis of electrical equipment. , 2013, , . | | 1 |
| 48 | On the Asymmetry of Economic Cycles. Studies on Entrepreneurship, Structural Change and Industrial Dynamics, 2017, , 65-92. | 0.4 | 1 |
| 49 | Aeronautics and COVID-19: a Reciprocal Cause-and-Effect Phenomenon. Journal of Aerospace Technology and Management, 2020, , . | 0.3 | 1 |
| 50 | The Evolutionary Trajectory of the World System toward an Age of Transition. , 2009, , 223-239. | | 0 |
| 51 | Decision Support in the Investment Analysis on Efficient and Sustainable Street Lighting. IFIP Advances in Information and Communication Technology, 2014, , 345-352. | 0.7 | 0 |