ANNEX-A

Table 1: Articles ERPI 2016-2020

| **Year** | **Title** | **Authors** | **Journal** | **Impact\_factor\_2019** |
| --- | --- | --- | --- | --- |
| 2,020 | Closed loop supply chain network for local and distributed plastic recycling for 3D printing: a MILP-based optimization approach | Pavlo Santander,Fabio Cruz Sanchez,Hakim Boudaoud,Mauricio Camargo | Resources, Conservation And Recycling | 8.086 |
| 2,020 | Plastic recycling in additive manufacturing: a systematic literature review and opportunities for the circular economy | Fabio Cruz Sanchez,Hakim Boudaoud,Mauricio Camargo,Joshua Pearce | Journal Of Cleaner Production | 7.246 |
| 2,020 | 3D printing: An emerging opportunity for soil science | Javier Arrieta-Escobar,Delphine Derrien,Stéphanie Ouvrard,Elnaz Asadollahi-Yazdi,Alaa Hassan,Vincent Boly,Anne-Julie Tinet,Marie-France Dignac | Geoderma | 4.848 |
| 2,020 | An Approach Based on Bayesian Network for Improving Project Management Maturity: An Application to Reduce Cost Overrun Risks in Engineering Projects | Felipe Sanchez,Eric Bonjour,Jean-Pierre Micaelli,Davy Monticolo | Computers In Industry | 3.954 |
| 2,020 | Mechanical Properties of Direct Waste Printing of Polylactic Acid with Universal Pellets Extruder: Comparison to Fused Filament Fabrication on Open-Source Desktop Three-Dimensional Printers | Arthur Alexandre,Fabio Cruz Sanchez,Hakim Boudaoud,Mauricio Camargo,Joshua Pearce | 3d Printing And Additive Manufacturing | 3.579 |
| 2,020 | Sustainable risk management strategy selection using a fuzzy multi-criteria decision approach | Abla Mimi Edjossan-Sossou,Daniel Galvez,Olivier Deck,Marwan Al Heib,Thierry Verdel,Laurent Dupont,Olivier Chery,Mauricio Camargo,Laure Morel | International Journal Of Disaster Risk Reduction | 2.896 |
| 2,020 | Chemical product design integrating MCDA : Performance prediction and human preferences modelling | Oscar Yesid Suárez Palacios,Paulo César Narváez Rincón,Mauricio Camargo,Jean-Pierre Corriou,Christian Fonteix | The Canadian Journal Of Chemical Engineering | 1.687 |
| 2,020 | Challenges and trends in the valuation of ecosystem services in agro-ecosystems: a systematic revision | Vadimir Melgarejo-Carreno,Sandra Cecilia Bautista Rodríguez,Mauricio Camargo | Tropical And Subtropical Agroecosystems |  |
| 2,020 | Industrial Symbiosis and Territorial Development: The Cross-Fertilization of Proximity Dynamics and the Role of Information and Knowledge Flows | Fedoua Kasmi | Journal Of The Knowledge Economy |  |
| 2,020 | Espaces et nouvelles formes d’organisation du travail créatif | Sophie Boutillier,Ignasi Capdevila,Laurent Dupont,Laure Morel | Innovations - Revue D’économie Et De Management De L'innovation |  |
| 2,020 | Collaborative spaces promoting creativity and innovation | Sophie Boutillier,Ignasi Capdevila,Laurent Dupont,Laure Morel | Journal Of Innovation Economics & Management |  |
| 2,020 | Analysis and Improvement of an Innovative Solution Through Risk Reduction: Application to Home Care for the Elderly | Linda Acosta Salgado,Auguste Rakotondranaivo,Eric Bonjour | Advances In Science, Technology And Engineering Systems Journal |  |
| 2,020 | Shaping a Public Innovation Laboratory in Bogota: Learning through Time\, Space and Stakeholders | Ferney Osorio,Laurent Dupont,Mauricio Camargo,Carlos Sandoval,José Ismael Peña | Journal Of Innovation Economics & Management |  |
| 2,020 | Towards smart and suitable management of roadsides: System dynamics in the era of industry 4.0 | Sandra Baustista Rodriguez,Brunelle Marche,Fatima Ezzahra Hamdani,Mauricio Camargo,Frédérique Mayer,Davy Monticolo,Christophe Bachmann | Sustainable Operations And Computers |  |
| 2,020 | Characterization of Best Practices for Customer/Supplier Collaboration in Co-innovation Projects | Carlos Abraham Moya,Vincent Boly,Laure Morel,Daniel Galvez,Mauricio Camargo | Journal Of Technology Management And Innovation |  |
| 2,020 | Towards an improved acceptability assessment model of innovative solutions in the design phase | Linda Acosta Salgado,Auguste Rakotondranaivo,Eric Bonjour | International Journal Of Business Information Systems |  |
| 2,020 | Digitalization and SMEs’ Export Management: Impacts on Resources and Capabilities | Benjamin Dethine,Manon Enjolras,Davy Monticolo | Technology Innovation Management Review |  |
| 2,020 | How do Institutions Promote Digital Marketing in Small and Medium International Companies: Comparison between Costa Rica and France | Karen Victoria Herrera Carpio,Susan Arce,Manon Enjolras,Mauricio Camargo | Technology Innovation Management Review |  |
| 2,020 | Innovation et agilité - identification de stratégies de déploiement pour le développement des PME | Laurent Muller,Carlos Moya,Mauricio Carmago,Stéphane Gouttes | Projectics / Proyéctica / Projectique |  |
| 2,020 | Evaluating Innovation and Export Capabilities of SMEs: Toward a Multi-Criteria Decision-Making Methodology | Manon Enjolras,Mauricio Camargo,Christophe Schmitt | Journal Of Technology Management And Innovation |  |
| 2,019 | Evaluating air quality by combining stationary\, smart mobile pollution monitoring and data-driven modelling | Adriana Simona Mihăiţă,Laurent Dupont,Olivier Chery,Mauricio Camargo,Chen Cai | Journal Of Cleaner Production | 7.246 |
| 2,019 | Multiobjective optimization for the design of phase III biorefinery sustainable supply chain | Andrea Teresa Espinoza Pérez,Paulo César Narváez Rincón,Mauricio Camargo,Miguel Domingo Alfaro Marchant | Journal Of Cleaner Production | 7.246 |
| 2,019 | Understanding user representations\, a new development path for supporting Smart City policy: Evaluation of the electric car use in Lorraine Region | Laurent Dupont,Julien Hubert,Claudine Guidat,Mauricio Camargo | Technological Forecasting And Social Change | 5.846 |
| 2,019 | Process and resource selection methodology in design for additive manufacturing | Shervin Kadkhoda-Ahmadi,Alaa Hassan,Elnaz Asadollahi-Yazdi | International Journal Of Advanced Manufacturing Technology | 2.633 |
| 2,019 | Design and management of innovation laboratories: Toward a performance assessment tool | Ferney Osorio,Laurent Dupont,Mauricio Camargo,Pedro Palominos,José Ismael Peña,Miguel Alfaro | Creativity And Innovation Management | 2.113 |
| 2,019 | Methodology to design ontologies from organizational models: application to creativity workshops | Gabriel Alex,Barrios Pedro Chavez,Monticolo Davy | Ai Edam | 1.119 |
| 2,019 | Interface modeling for product‐service system integration | Elaheh Maleki,Farouk Belkadi,Eric Bonjour,Ali Slayman,Alain Bernard | Systems Engineering | 1.000 |
| 2,019 | Editorial - Special issue on System of Systems Engineering | Franck Davoine,Eric Bonjour | Systems Engineering | 1.000 |
| 2,019 | A Step for improving the transition between traditional Project Management to Agile Project Management | Felipe Sanchez Garzon,Jean-Pierre Micaëlli,Eric Bonjour,Davy Monticolo | The Journal Of Modern Project Management |  |
| 2,019 | Challenges for autonomous vehicles (AVs) engineering: Safety validation of functional performance limitations | Tchoya Florence Koné,Eric Bonjour,Eric Levrat,Frédérique Mayer,Stéphane Géronimi | Insight - International Council On Systems Engineering (Incose) |  |
| 2,019 | Agilité et conception de filière : le cas de la montre SWATCH | Brunelle Marche,Vincent Boly,Laure Morel,Frédérique Mayer,Roland Ortt | Technologie Et Innovation |  |
| 2,019 | Innovation Spaces in Universities: Support for Collaborative Learning | Lorena Delgado,Daniel Galvez,Alaa Hassan,Pedro Palominos,Laure Morel | Journal Of Innovation Economics & Management |  |
| 2,019 | Review of the AFIS 2018 Academy-Industry meetings in Nancy -The celebration of the 20th anniversary of AFIS! | Eric Levrat,Eric Bonjour,David Gouyon,Pascale Marangé,Frédérique Mayer,Hervé Panetto,Jean-Claude Tucoulou | Insight - International Council On Systems Engineering (Incose) |  |
| 2,019 | Application of Decision-Making Methods in Smart City Projects: A Systematic Literature Review | Giang Tran Thi Hoang,Laurent Dupont,Mauricio Camargo | Smart Cities |  |
| 2,019 | Agile innovation: Creating value in uncertain environments | Laurent Dupont | Journal Of Innovation Economics & Management |  |
| 2,019 | Communautés et agilité : la complexité de l’organisation innovante | Florence Crespin-Mazet,Karine Goglio-Primard,Claude Guittard,Laurent Dupont | Innovations - Revue D’économie Et De Management De L'innovation |  |
| 2,019 | Living lab as a support to trust for co-creation of value: application to the consumer energy market | Laurent Dupont,Joëlle Mastelic,Nathalie Nyffeler,Sophie Latrille,Eric Seulliet | Journal Of Innovation Economics & Management |  |
| 2,019 | Confiance et Technologie : Deux Dimensions de l’Innovation Ouverte et Agile appliquée à l’Énergie | Laurent Dupont,Joëlle Mastelic,Nathalie Nyffeler,Sophie Latrille,Eric Seulliet | Technologie Et Innovation |  |
| 2,019 | Innovation Agile : Regards Pluridisciplinaires | Laurent Dupont,Laure Morel | Technologie Et Innovation |  |
| 2,019 | A green procurement methodology based on Kraljic Matrix for supplier`s evaluation and selection: a case study from the chemical sector | Felipe Sanchez Garzon,Manon Enjolras,Mauricio Camargo,Laure Morel | Supply Chain Forum: An International Journal |  |
| 2,019 | Le caractère dynamique et évolutif de la notion d’innovation : Quelles conséquences pour l’évaluation de la capacité à innover des entreprises ? | Manon Enjolras,Daniel Galvez,Johan Claire,Mauricio Camargo,Vincent Boly | Technologie Et Innovation |  |
| 2,019 | Agility and product supply chain design: The case of the Swatch | Brunelle Marche,Vincent Boly,Laure Morel,Frédérique Mayer,Roland Ortt | Journal Of Innovation Economics & Management |  |
| 2,019 | Are High-Tech Companies More Competitive Than Others? An Empirical Study of Innovative and Exporting French SMEs | Manon Enjolras,Mauricio Camargo,Christophe Schmitt | Technology Innovation Management Review |  |
| 2,018 | A system dynamics approach for sustainability assessment of biodiesel production in Colombia. Baseline simulation | Sandra Bautista,Andrea Espinoza,Paulo Narvaez,Mauricio Camargo,Laure Morel | Journal Of Cleaner Production | 7.246 |
| 2,018 | Trends in design of distributed energy systems using hydrogen as energy vector: A systematic literature review | Juan Fonseca,Mauricio Camargo,Jean-Marc Commenge,Laurent Falk,Iván Gil | International Journal Of Hydrogen Energy | 4.939 |
| 2,018 | Incorporation of Heuristic Knowledge in the Optimal Design of Formulated Products: Application to a Cosmetic Emulsion | Javier Arrieta-Escobar,Fernando Bernardo,Alvaro Orjuela,Mauricio Camargo,Laure Morel | Computers & Chemical Engineering | 4.000 |
| 2,018 | A new framework to support Lean Six Sigma deployment in SMEs | Carlos Abraham Moya,Daniel Galvez,Laurent Muller,Mauricio Camargo | International Journal Of Lean Six Sigma | 2.511 |
| 2,018 | Firm Readiness Level for Innovation Projects: A New Decision-Making Tool for Innovation Managers | Daniel Galvez,Manon Enjolras,Mauricio Camargo,Vincent Boly,Johan Claire | International Review Of Administrative Sciences | 2.219 |
| 2,018 | Multi-objective traffic signal optimization using 3D mesoscopic simulation and evolutionary algorithms | Adriana Simona Mihăiţă,Laurent Dupont,Mauricio Camargo | Simulation Modelling Practice And Theory | 2.219 |
| 2,018 | Contribution to the objective assessment of technical skills for surgery students: An accelerometer based approach | Giovanny Arbelaez Garces,David Joseph,Mauricio Camargo,Nguyen Tran,Laure Morel | International Journal Of Industrial Ergonomics | 1.662 |
| 2,018 | Vers une meilleure compréhension du concept de design,Towards a Better Understanding of the Concept of Design,Hacia una mejor comprensión del concepto de diseño | Linda Acosta Salgado,Laure Morel,Isabelle Verilhac | Projectics / Proyéctica / Projectique |  |
| 2,018 | Predicting Air Quality by Integrating a Mesoscopic Traffic Simulation Model and Simplified Air Pollutant Estimation Models | Adriana Simona Mihăiţă,Mirian Benavides Ortiz,Mauricio Camargo,Chen Cai | International Journal Of Intelligent Transportation Systems Research |  |
| 2,018 | L’indice d’innovation potentielle (IIP) : un diagnostic de la capacité à innover au service des PME | Manon Enjolras,Mauricio Camargo,Vincent Boly | Revue Internationale Pme |  |
| 2,018 | Une approche de conception de systèmes multi-agents dédiés à la gestion des connaissances | Davy Monticolo,Alex Gabriel,Pedro Chavez Barrios | Ingéniérie Des Systèmes D'information |  |
| 2,017 | Key challenges and requirements for sustainable and industrialized biorefinery supply chain design and management: A bibliographic analysis | Andrea Teresa Espinoza Pérez,Mauricio Camargo,Paulo César Narváez Rincón,Miguel Alfaro Marchant | Renewable And Sustainable Energy Reviews | 12.110 |
| 2,017 | Sustainability assessment to support governmental biodiesel policy in Colombia: A system dynamics model | A. Espinoza,S. Bautista,P.C. Narváez,M. Alfaro,M. Camargo | Journal Of Cleaner Production | 7.246 |
| 2,017 | Polymer recycling in an open-source additive manufacturing context: Mechanical issues | Fabio Cruz Sanchez,Hakim Boudaoud,Sandrine Hoppe,Mauricio Camargo | Additive Manufacturing | 7.002 |
| 2,017 | Modeling and design optimization of a robot gripper mechanism | Alaa Hassan,Mouhammad Abomoharam | Robotics And Computer-Integrated Manufacturing | 5.057 |
| 2,017 | The effect of learning approaches on the utilization of external knowledge in strategic alliances | Hamid Mazloomi Khamseh,Dominique Jolly,Laure Morel | Industrial Marketing Management | 4.695 |
| 2,017 | Modeling and optimization of a photocatalytic process: Degradation of endocrine disruptor compounds by Ag/ZnO | Alma Berenice Jasso-Salcedo,Sandrine Hoppe,Fernand Pla,Vladimir Alonso Escobar-Barrios,Mauricio Camargo,Dimitrios Meimaroglou | Chemical Engineering Research And Design | 3.350 |
| 2,017 | Exploring Mixed-methods Instruments for Performance Evaluation of Immersive Collaborative Environments | Laurent Dupont,Marc Pallot,Laure Morel,Olivier Christmann,Vincent Boly,Simon Richir | International Journal Of Virtual Reality |  |
| 2,017 | The first ROBAFIS-ROBSE international student competition in Systems Engineering | Jean-Claude Tucoulou,Eric Bonjour,David Gouyon | Insight - International Council On Systems Engineering (Incose) |  |
| 2,017 | A new fuzzy logic-based metric to measure lean warehousing performance | Nicolás Buonamico,Laurent Muller,Mauricio Camargo | Supply Chain Forum: An International Journal |  |
| 2,017 | Overview of phenomena occurring in supply chains during the emergence of innovation | Brunelle Marche,Vincent Boly,Laure Morel,Mauricio Camargo,J. Roland Ortt | Supply Chain Forum: An International Journal |  |
| 2,016 | Improving the idea selection process in creative workshops through contextualisation | Alex Gabriel,Mauricio Camargo,Davy Monticolo,Vincent Boly,Mario Bourgault | Journal Of Cleaner Production | 7.246 |
| 2,016 | Sensitivity analysis of the damping properties of viscoelastic composite structures according to the layers thicknesses | Komlan Akoussan,Hakim Boudaoud,El Mostafa Daya,Yao Koutsawa,Erasmo Carrera | Composite Structures | 5.138 |
| 2,016 | Improving users' product acceptability: an approach based on Bayesian networks and a simulated annealing algorithm | Giovanny Arbelaez Garces,Auguste Rakotondranaivo,Eric Bonjour | International Journal Of Production Research | 4.577 |
| 2,016 | Biodiesel-triple bottom line (TBL): A new hierarchical sustainability assessment framework of principles criteria & indicators (PC&I) for biodiesel production. Part II-validation | Sandra Bautista,M. Enjolras,P. Narvaez,Mauricio Camargo,Laure Morel | Ecological Indicators | 4.229 |
| 2,016 | Biodiesel-TBL plus : A new hierarchical sustainability assessment framework of PC&I for biodiesel production - Part I | Sandra Bautista,P. Narvaez,Mauricio Camargo,Olivier Chery,Laure Morel | Ecological Indicators | 4.229 |
| 2,016 | Operational and system hazard analysis in a safe systems requirement engineering process – Application to automotive industry | Pierre Mauborgne,Samuel Deniaud,Eric Levrat,Eric Bonjour,Jean-Pierre Micaëlli,Dominique Loise | Safety Science | 4.105 |
| 2,016 | Multi-criteria decision analysis for the selection of sustainable chemical process routes during early design stages | Juliana Serna,Esneider Díaz Martinez,Paulo Narváez Rincón,Mauricio Camargo,Daniel Galvez,Elvaro Orjuela | Chemical Engineering Research And Design | 3.350 |
| 2,016 | Creativity support systems: A systematic mapping study | Alex Gabriel,Davy Monticolo,Mauricio Camargo,Mario Bourgault | Thinking Skills And Creativity | 2.068 |
| 2,016 | An acceptability estimation and analysis methodology based on Bayesian networks | Giovanny Arbelaez Garces,Auguste Rakotondranaivo,Eric Bonjour | International Journal Of Industrial Ergonomics | 1.662 |
| 2,016 | Frugal Innovation or Frugal Renovation: How can Western Designers adopt Frugal Engineering? | Jean-Pierre Micaelli,Joëlle Forest,Joelle Forest,Eric Bonjour,Dominique Loise | Journal Of Innovation Economics & Management |  |
| 2,016 | Cost and efficiency assessment during deep energy refurbishment strategies: A case-study-based methodology | Lamia Brissel,Laurent Dupont,Laure Morel,Claudine Guidat | International Journal Of Energy, Environment, Economics |  |
| 2,016 | From descriptive customer data to need definition: a formalised approach | Vincent Boly,Laure Morel,Mauricio Camargo,Helmi Ben Rejeb | International Journal Of Product Development |  |
| 2,016 | SMEs’ Innovation and Export Capabilities: Identification and Characterization of a Common Space Using Data Spatialization | Manon Enjolras,Mauricio Camargo,Christophe Schmitt | Journal Of Technology Management And Innovation |  |