Exposition of themes

ENERGY

Title	Authors
On the potential of blue hydrogen production in Colombia: A fossil resource-based assessment for low-emission hydrogen	Sara Dominguez-Cardozo, Bernay Cifuentes, Felipe Bustamante-Londoño, Nelly M. Cantillo, César L. Barraza-Botet and Martha Cobo
Replication of results: CFD modeling and experimental validation of an alkaline water electrolysis cell for Hydrogen production	Pablo Ignacio Hernández Arango, Cesar Rubents Ramirez and Alejandro Carrada
Experimental characterization of hydrokinetic turbines	Fredys Romero-Menco, Juan D Pineda-Aguirre, Andrés J Chalaca-Salas, Ainhoa Rubio-Clemente and Edwin Chica-Arrieta
Comparison of the performance of hydrofoils used in vertical-axis hydrokinetic turbines (VAHT) using computational fluid dynamics	Andres Jahir Chalaca Salas, Laura Isabel Velásquez García and Edwin Chica
Computational fluid dynamics modeling of air chamber of an oscillating water column	Juan David Parra Quintero, Ainhoa Rubio Clemente and Edwin Chica Arrieta
Analysis of mechanical energy transfer and dissipation in natural rubber – recycled EPDM blends with potential use in piezoelectric tile contact surfaces.	Fabián Andrés Giraldo Agudelo, Valentina Arenas Arévalo, Kelly Geraldine Rivera Botia and Diego Hernán Giraldo Vásquez
Effect of Solvent on Economic Feasibility of Biocrude Production by Hydrothermal Liquefaction	David Ocampo, Elkin Gómez and Luis Rios
Representative evaluation methodology of graphene transfer processes applied to inverted perovskite solar cell	Kevin Ballestas, Juan Diego Zapata and Daniel Ramírez
Improving the Stability of Methylammonium Lead Iodide Perovskite by Propionic Acid Doping	María Pilar Montero-Rama, Daniel Ramirez, Franklin Jaramillo and Lluís Francesc Marsal
(CsDMA)Pb(BrI)3 hybrid perovskite solar cells with improved stability	Juan José Patiño López, Juan Felipe Montoya, Edwin Ramírez, Franklin Jaramillo and Daniel Ramírez
IMPLEMENTATION Improving the Stability of Methylammonium Lead Iodide Perovskite by Propionic Acid Doping OF A PORT-FUEL INJECTED DUAL FUEL ENGINE IN A COMMERCIAL VEHICLE AND EVALUATION OF DIESEL SUBSTITUTION FOR TRANSIENT OPERATION IN MEDELLÍN-COLOMBIA.	Jaime Fernando Zapata López, Iván Darío Bedoya Caro and Felipe Ruiz Zea