

David Alves Castelo Branco

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

559
citations

687363

13
h-index

642732

23
g-index

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all docs

33
docs citations

33
times ranked

651
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Is floating photovoltaic better than conventional photovoltaic? Assessing environmental impacts. Impact Assessment and Project Appraisal, 2018, 36, 390-400. | 1.8 | 98 |
| 2 | Performance estimation of photovoltaic technologies in Brazil. Renewable Energy, 2017, 114, 367-375. | 8.9 | 47 |
| 3 | Extensive review of shale gas environmental impacts from scientific literature (2010-2015). Environmental Science and Pollution Research, 2017, 24, 14579-14594. | 5.3 | 46 |
| 4 | Water-energy nexus: Floating photovoltaic systems promoting water security and energy generation in the semiarid region of Brazil. Journal of Cleaner Production, 2020, 273, 122010. | 9.3 | 45 |
| 5 | Emissions reduction potential from CO2 capture: A life-cycle assessment of a Brazilian coal-fired power plant. Energy Policy, 2013, 61, 1221-1235. | 8.8 | 38 |
| 6 | CO2e emissions abatement costs of reducing natural gas flaring in Brazil by investing in offshore GTL plants producing premium diesel. Energy, 2010, 35, 158-167. | 8.8 | 36 |
| 7 | Energy-related climate change mitigation in Brazil: Potential, abatement costs and associated policies. Energy Policy, 2012, 49, 430-441. | 8.8 | 30 |
| 8 | Technical potential of floating photovoltaic systems on artificial water bodies in Brazil. Renewable Energy, 2022, 181, 1023-1033. | 8.9 | 29 |
| 9 | Dow Jones sustainability index transmission to oil stock market returns: A GARCH approach. Energy, 2012, 45, 933-943. | 8.8 | 22 |
| 10 | Challenges and technological opportunities for the oil refining industry: A Brazilian refinery case. Energy Policy, 2010, 38, 3098-3105. | 8.8 | 19 |
| 11 | Abatement costs of CO2 emissions in the Brazilian oil refining sector. Applied Energy, 2011, 88, 3782-3790. | 10.1 | 17 |
| 12 | Modelling distributed photovoltaic system with and without battery storage: A case study in Belem, northern Brazil. Journal of Energy Storage, 2018, 17, 11-19. | 8.1 | 17 |
| 13 | UGS in giant offshore salt caverns to substitute the actual Brazilian NG storage in LNG vessels. Journal of Natural Gas Science and Engineering, 2017, 46, 451-476. | 4.4 | 16 |
| 14 | Implementation of Maritime Transport Mitigation Measures according to their marginal abatement costs and their mitigation potentials. Energy Policy, 2022, 160, 112699. | 8.8 | 15 |
| 15 | Life cycle-based sustainability indicators for electricity generation: A systematic review and a proposal for assessments in Brazil. Journal of Cleaner Production, 2021, 311, 127568. | 9.3 | 14 |
| 16 | Optimal Sizing of Photovoltaic Generation in Radial Distribution Systems Using Lagrange Multipliers. Energies, 2019, 12, 1728. | 3.1 | 13 |
| 17 | A multicriteria proposal for large-scale solar photovoltaic impact assessment. Impact Assessment and Project Appraisal, 2020, 38, 3-15. | 1.8 | 12 |
| 18 | A multicriteria approach for measuring the carbon-risk of oil companies. Energy Strategy Reviews, 2012, 1, 122-129. | 7.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | How the choice of multi-gas equivalency metrics affects mitigation options: The case of CO2 capture in a Brazilian coal-fired power plant. <i>Energy Policy</i> , 2013, 61, 1357-1366. | 8.8 | 7 |
| 20 | Environmental licensing and energy policy regulating utility-scale solar photovoltaic installations in Brazil: status and future perspectives. <i>Impact Assessment and Project Appraisal</i> , 2019, 37, 503-515. | 1.8 | 6 |
| 21 | Maturity-based analysis of emerging technologies in the Brazilian Power Sector. <i>Journal of Cleaner Production</i> , 2020, 243, 118603. | 9.3 | 5 |
| 22 | Economic Effects of Micro- and Mini-Distributed Photovoltaic Generation for the Brazilian Distribution System. <i>Energies</i> , 2022, 15, 737. | 3.1 | 5 |
| 23 | Comparative life cycle assessment of three 2030 scenarios of the Brazilian cement industry. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 153. | 2.7 | 5 |
| 24 | Evaluation of the hydraulic potential with hydrokinetic turbines for isolated systems in locations of the Amazon region. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101079. | 2.7 | 3 |
| 25 | Photovoltaic Solar Systems in Multi-Headquarter Institutions: A Technical Implementation in Northeastern Brazil. <i>Energies</i> , 2020, 13, 2659. | 3.1 | 2 |
| 26 | Energy storage for photovoltaic power plants: Economic analysis for different ionâ€ lithium batteries. <i>Energy Storage</i> , 2022, 4, . | 4.3 | 2 |
| 27 | Adding flexibility to petroleum refining through the introduction of modular plants â€ a case study for Brazil. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2021, 16, 617-637. | 3.4 | 1 |
| 28 | Price volatility across the Atlantic: The US and the European natural gas markets. , 2017, , . | | 0 |
| 29 | Potential of diesel electric system for fuel saving in fishing vessels: a case study on a bottom longline fleet of Brazil. <i>Journal of Marine Engineering and Technology</i> , 2021, 20, 1-16. | 4.1 | 0 |
| 30 | ComparaÃ§Ã£o entre tecnologias de aproveitamento energÃ©tico de resÃ©duos sÃ³lidos urbanos e balanÃ§o de emissÃµes de gases de efeito estufa no municÃ­pio do Rio de Janeiro, RJ, Brasil. <i>Engenharia Sanitaria E Ambiental</i> , 2020, 25, 635-648. | 0.5 | 0 |
| 31 | Climate Change, Fuel Efficiency and Tax Revenues. , 0, , 128-146. | | 0 |
| 32 | ASSESSING THE GREENHOUSE GAS EMISSIONS OF BUILDINGS IN BRAZIL: A CASE STUDY OF A HOUSING COMPLEX. <i>Environmental Engineering and Management Journal</i> , 2021, 20, 1225-1236. | 0.6 | 0 |
| 33 | AnÃ¡lisis de sostenibilidad del ciclo de vida de la expansiÃ³n de energÃ­a en Brasil. <i>IngenierÃ­a InvestigaciÃ³n Y Desarrollo</i> , 2022, 21, 73-80. | 0.1 | 0 |