David Alves Castelo Branco

List of Publications by Year
in descending order

33 papers	559 citations	687363 13 h-index	642732 23 g-index
33 all docs	33 docs citations	33 times ranked	651 citing authors

#	Article	IF	Citations
1	Technical potential of floating photovoltaic systems on artificial water bodies in Brazil. Renewable Energy, 2022, 181, 1023-1033.	8.9	29
2	Implementation of Maritime Transport Mitigation Measures according to their marginal abatement costs and their mitigation potentials. Energy Policy, 2022, 160, 112699.	8.8	15
3	Economic Effects of Micro- and Mini-Distributed Photovoltaic Generation for the Brazilian Distribution System. Energies, 2022, 15, 737.	3.1	5
4	Comparative life cycle assessment of three 2030 scenarios of the Brazilian cement industry. Environmental Monitoring and Assessment, 2022, 194, 153.	2.7	5
5	AnÃ¡lisis de sostenibilidad del ciclo de vida de la expansiÃ³n de energÃa en Brasil. IngenierÃa InvestigaciÃ³n Y Desarrollo, 2022, 21, 73-80.	0.1	0
6	Energy storage for photovoltaic power plants: Economic analysis for different ionâ€lithium batteries. Energy Storage, 2022, 4, .	4.3	2
7	Potential of diesel electric system for fuel saving in fishing vessels: a case study on a bottom longline fleet of Brazil. Journal of Marine Engineering and Technology, 2021, 20, 1-16.	4.1	0
8	Evaluation of the hydraulic potential with hydrokinetic turbines for isolated systems in locations of the Amazon region. Sustainable Energy Technologies and Assessments, 2021, 45, 101079.	2.7	3
9	Adding flexibility to petroleum refining through the introduction of modular plants â€“ a case study for Brazil. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 617-637.	3.4	1
10	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
11	ASSESSING THE GREENHOUSE GAS EMISSIONS OF BUILDINGS IN BRAZIL: A CASE STUDY OF A HOUSING COMPLEX. Environmental Engineering and Management Journal, 2021, 20, 1225-1236.	0.6	0
12	A multicriteria proposal for large-scale solar photovoltaic impact assessment. Impact Assessment and Project Appraisal, 2020, 38, 3-15.	1.8	12
13	Maturity-based analysis of emerging technologies in the Brazilian Power Sector. Journal of Cleaner Production, 2020, 243, 118603.	9.3	5
14	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
15	Photovoltaic Solar Systems in Multi-Headquarter Institutions: A Technical Implementation in Northeastern Brazil. Energies, 2020, 13, 2659.	3.1	2
16	ComparaÃ§Ã£o entre tecnologias de aproveitamento energÃ©tico de resÃduos sÃ³lidos urbanos e balanÃ§o de emissÃµes de gases de efeito estufa no municÃpio do Rio de Janeiro, RJ, Brasil. Engenharia Sanitaria E Ambiental, 2020, 25, 635-648.	0.5	0
17	Optimal Sizing of Photovoltaic Generation in Radial Distribution Systems Using Lagrange Multipliers. Energies, 2019, 12, 1728.	3.1	13
18	Environmental licensing and energy policy regulating utility-scale solar photovoltaic installations in Brazil: status and future perspectives. Impact Assessment and Project Appraisal, 2019, 37, 503-515.	1.8	6

#	Article	IF	Citations
19	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
20	Is floating photovoltaic better than conventional photovoltaic? Assessing environmental impacts. Impact Assessment and Project Appraisal, 2018, 36, 390-400.	1.8	98
21	Extensive review of shale gas environmental impacts from scientific literature (2010â€“2015). Environmental Science and Pollution Research, 2017, 24, 14579-14594.	5.3	46
22	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
23	Price volatility across the Atlantic: The US and the European natural gas markets. , 2017, , .		0
24	Performance estimation of photovoltaic technologies in Brazil. Renewable Energy, 2017, 114, 367-375.	8.9	47
25	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
26	How the choice of multi-gas equivalency metrics affects mitigation options: The case of CO2 capture in a Brazilian coal-fired power plant. Energy Policy, 2013, 61, 1357-1366.	8.8	7
27	Dow Jones sustainability index transmission to oil stock market returns: A GARCH approach. Energy, 2012, 45, 933-943.	8.8	22
28	Energy-related climate change mitigation in Brazil: Potential, abatement costs and associated policies. Energy Policy, 2012, 49, 430-441.	8.8	30
29	A multicriteria approach for measuring the carbon-risk of oil companies. Energy Strategy Reviews, 2012, 1, 122-129.	7.3	9
30	Abatement costs of CO2 emissions in the Brazilian oil refining sector. Applied Energy, 2011, 88, 3782-3790.	10.1	17
31	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
32	Challenges and technological opportunities for the oil refining industry: A Brazilian refinery case. Energy Policy, 2010, 38, 3098-3105.	8.8	19
33	Climate Change, Fuel Efficiency and Tax Revenues. , 0, , 128-146.		0