

The mission of Renewable and Sustainable Energy Reviews is to communicate the most interesting and relevant critical thinking in renewable and sustainable energy in order to bring together the research community, the private sector and policy and decision makers. The aim of the journal is to share problems, solutions, novel ideas and technologies to support ...

Nussbaumer et al. / Renewable and Sustainable Energy Reviews 16 (2012) 231-243 233 Table 1 Broad categories of sustainable development and energy metrics with examples. Category Example Initiator Reference Single indicators International poverty line (\$1 a day) The World Bank Chen and Ravallion [39] Set of individual indicators, or ...

select article Comments on: Land use for United States power generation: A critical review of existing metrics with suggestions for going forward (Renewable and Sustainable Energy Reviews 2021; 143: 110911)

Renewable and Sustainable Energy Reviews, 6 (2012), pp. 4175-4189. View PDF View article View in Scopus Google Scholar [4] R. Moro, P. Pinamonti, M. Reini. ORC technology for waste-wood to energy conversion in the furniture manufacturing industry. Thermal Science, 12 (2008), pp. 61-73.

To promote the sustainable development of RE, some existing studies have explored the influencing factors of RED from different perspectives. For example, Cadoret and Padovano and Zhao et al. both confirmed that the high quality of government regulation and administrative intervention contribute to the deployment of renewable energy; Zhang et al. and ...

The Renewable Energy vs. Sustainable Energy Debate. Energy leaders need to not only understand the nuances between these two terms, but be mindful of how they use them in legislation and organizational decision-making. Not only will the precise use of language benefit consumers, allowing them to understand the implications of their energy ...

Moreover, renewable energy consumption has a coefficient of 0.103. This indicates that by increasing renewable energy consumption by 1%, CO<sub>2</sub> emissions can be expected to decrease by 0.103% ...

Renewable and Sustainable Energy Reviews. Volume 82, Part 1, February 2018, Pages 894-900. ... To recap, Table 2 lists the present solar power generation capacities and world rankings at the end of 2015. Table 2. The 2015 global ranking for solar power generation capacity. [1]. World Ranking

An extensive review in the sphere of sustainable energy has been performed by utilizing MCDM technique. ... the sustainable and renewable energy sources can be proved to be beneficial. In countries like India, around

30% energy demand is dependent on ... These are mostly preferred for ranking energy technologies like application of energy ...

The Journal of Renewable and Sustainable Energy is an interdisciplinary journal covering specific areas of renewable and sustainable energy relevant to the physical science and engineering communities. The journal has a strong focus on integration of disciplines for renewable power technologies at global scales that have the potential to ...

Read the latest chapters of Renewable and Sustainable Energy Reviews at ScienceDirect , Elsevier's leading platform of peer-reviewed scholarly literature. Skip to main ... Disruption risks for renewable energy and resources: A cross-sector perspective. Last update 15 March 2024. Special Issue in Challenges and Advances in decarbonising ...

The results show that solar power is the most suitable renewable energy for sustainable development, followed by biomass, wind, and hydropower, but the optimal alternative is sensitive to the ...

Renewable and Sustainable Energy Reviews. Volume 147, September 2021, 111255. ... Among all renewable energy generation, biomass power is the ideal power to replace coal power [10]. However, biomass power generation is less economical due to its constraints of ...

The offshore wind industry is expanding rapidly around the world due to several factors enabling this source of renewable energy. Stronger wind resources in offshore areas, lack of social and geographical constraints related to onshore wind power, the evolution of technology, and increasing demand for electricity in coastal regions as a result of a massive increase in ...

The importance of energy in achieving sustainable development was recognized when the concept was first introduced in the UN's Our common future report [1] 2000, the concept of sustainable energy development (SED) was put forward in the UN's World Energy Assessment (WEA) report with the introduction of a development paradigm where the ...

The Renewable Energy vs. Sustainable Energy Debate. Energy leaders need to not only understand the nuances between these two terms, but be mindful of how they use them in legislation and organizational decision ...

sectoral incentivisation while achieving renewable energy goals to rapidly develop utility-scale renewable energy and foster community benefits. This study hypothesises that agrivoltaics regulation facilitated by energy justice in a new justice-driven agrivoltaics framework will

Renewable energy sources are growing quickly and will play a vital role in tackling climate change. Our World in Data. ... However, high-quality estimates of energy consumption from these sources are difficult to

find. The Energy Institute Statistical Review of World Energy - our main data source on energy - only publishes data on ...

Renewable and Sustainable Energy Reviews. Volume 133, November 2020, 110294. Review of indicators for sustainable energy development. ... The results reveal that the solar-hydro-biomass battery with a life cycle cost of 10.9 M\$ is the top-ranking off-grid system. When the hybrid system is connected to the grid, the solar-hydro-battery has found ...

To elaborate further, there were three main criteria: QA2, publication forum rankings; QA3, the number of mentions/citations in articles; and QA4, which adjusts QA3 based on the publication year. ... A Systematic Review from the Consumer Behavior Perspective" have no conflicts of interest with the journal Renewable and Sustainable Energy ...

Global Energy Review 2021 - Analysis and key findings. A report by the International Energy Agency. ... Renewable energy use increased 3% in 2020 as demand for all other fuels declined. The primary driver was an almost 7% growth in electricity generation from renewable sources. Long-term contracts, priority access to the grid, and continuous ...

The three interlinked objectives that must be achieved by the year 2030 to realise sustainable energy for all are ensuring universal access to modern energy services, double the share of renewable energy in the global energy mix and double the rate of energy efficiency improvement (Kaygusuz, 2012; Vezzoli Vezzoliet al., 2018).

Renewable and Sustainable Energy Transition has a mission to share the most interesting and relevant problems, solutions, applications, novel ideas and technologies to support the transition to a low carbon future and achieve our global emissions targets as established by the United Nations Framework Convention on Climate Change.. Continuing the mission of the partner ...

Renewable and Sustainable Energy Reviews. Volume 107, June 2019, Pages 516-534. A review of multi-criteria decision making approaches for evaluating energy storage systems for grid applications. ... Selection of wind energy projects: Preference Ranking Organization METHod for Enrichment of Evaluations - PROMETHEE [41], [72]

The remainder of the paper is sectioned into five: Section 2 discusses renewable energy sources and sustainability and climate change, Section 3 elaborates on the various renewable energy sources and technologies, Section 4 elaborates on the renewable energy sources and sustainable development, Section 5 elaborates on challenges affecting ...

Kenya has a landmass of 582,646 km<sup>2</sup> and is number 47 in world's ranking of sizes of countries [8]. Many areas of Kenya experience tropical weather, but the temperature stays reasonably dry with an average of about



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22 ? yearly. ... Renewable and Sustainable Energy Reviews, 30 (2014), pp. 604-615. [View PDF](#) [View article](#)  
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