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Analyzing the Influence of	Energy Consumption and Econo	omic Complexity
Analyzin	g the Influenc	e of Energy
Consump	otion and Ecor	nomic Complexity
on Carbo	n Emissions:	Evidence from
Malaysia Are you this author?		
Ву	Afroz, R; Alofaysan, H; Muhan	nmad, YB
Source	ENERGIES	
	Volume: 17 Issue: 12	
	DOI: 10.3390/en17122900	
Article Number	2900	
Published	JUN 2024	
Document Type	Article	
Abstract	Due to increasing energy	consumption, there has been a
	significant expansion in w	vorldwide trade, leading to the
	emergence of severe envi	ronmental issues. This situation is
	further compounded by t	he non-negotiable requirement to
		environmental degradation and achieve
		sure a healthier future, it is imperative
	-	e factors that contribute to
		ation. The purpose of this study is to
	-	carbon dioxide (CO2) emissions are
		mption, economic growth, and the
		ex (ECI). Time series data from 1997 to
		y, along with the autoregressive
		e environmental Kuznets curve theo

holds true in Malaysia, according to the study's findings, and energy use has a negative impact on CO2 emissions. There is also evidence suggesting that a higher ECI is linked with increased levels of CO2 emissions over a prolonged period. Malaysia's main export, electrical and electronic goods, generates substantial CO2 emissions during the manufacturing process. The outcomes of this research have important ramifications for environmental strategies concerning the mitigation of CO2 emissions. The electrical and electronics industries can implement energyefficient technologies and practices in manufacturing processes. This would include upgrading to more efficient machinery, optimizing production schedules, and reducing idle times. It is also crucial to work with governments and industry bodies to advocate for policies that support sustainable manufacturing practices.

Accession WOS:001256150500001 Number

elSSN 1996-1073

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