

ТЕМА: Преобразование финансового ландшафта: роль блокчейн-технологии в развитии и применении криптовалюты.

TOPIC: Transformation of the financial landscape: the role of electronic technologies in development and the use of cryptocurrencies.

Keywords

1) Blockchain

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Olivier Desplebin, Gulliver Lux, Nicolas Petit

Accounting Perspectives | Volume 20, Issue 4

First published: 11 June 2021

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Policy & Internet | Early View

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Blockchain

Quality Education (2020)

Article

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Andreas Meier in *HMD Praxis der Wirtschaftsinformatik* (2018)[» Download PDF \(91 KB\)](#) [» View Article](#)

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Blockchain technology presents an innovative take on the ... Postgres nodes. In a decentralized setup like blockchain, there is no master node, but...

Shashank Mohan Jain in *A Brief Introduction to Web3* (2023)

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Journal of Parallel and Distributed Computing, 19 June 2023

Jie Song, Pengyi Zhang, ... Ge Yu

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Who should adopt **blockchain**? The interplay between **blockchain** adoption and online channel under competition

Electronic Commerce Research and Applications, 22 September 2023

Shuhua Chang, Haiteng Ma, ... Li Cao

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Shuyu Zhang, Xuanyu Zhou, Huifeng Pan, Junyi Jia

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Review of Economic Dynamics, Available online 27 September 2023

Stylianios Asimakopoulou, Marco Lorusso, Francesco Ravazzolo

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Victoria Dobrynskaya

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Article	1,868
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Reference Work Entry	169
Reference Work	30
Video Segment	11

Discipline see all

Computer Science	3,682
Engineering	3,093
Business and Management	1,076
Finance	749
Economics	699

Subdiscipline see all

Artificial Intelligence	2,742
Computational Intelligence	2,087
Systems and Data Security	1,486
Computer Communication Networks	1,460
Communications Engineering, Networks	1,083

Language

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Cryptocurrency

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Eli Dourado, Jerry Brito in *The New Palgrave Dictionary of Economics*

📖 Book

Halal Cryptocurrency Management

Prof. Dr. Mohd Ma'Sum Billah (2019)



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Advanced Studies of Financial Technologies and

3) Smart contracts



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chapter

Smart Contracts

Legal Data for Banking: Business Optimisation and Regulatory Compliance

First published: 24 April 2019

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Blockchain and Smart Contracts

Yahya Kabiri, Mahdi Sharifzadeh

Industry 4.0 Vision for Energy and Materials: Enabling Technologies and Case Studies

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- ☐ Energy Policy (678)
- ☐ The Lancet (651)
- ☐ Journal of Cleaner Production (636)

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ADEFGuard: Anomaly detection framework based on Ethereum smart contracts behaviours

Blockchain: Research and Applications, 12 July 2023

Malaw Ndiaye, Thierno Ahmadou Diallo, Karim Konate

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Temporal transaction information-aware Ponzi scheme detection for ethereum smart contracts

Engineering Applications of Artificial Intelligence, 31 August 2023

Lei Wang, Hao Cheng, ... Ming Xu

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Vulnerable smart contract function locating based on Multi-Relational Nested Graph Convolutional Network

Journal of Systems and Software, 9 June 2023

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Subdiscipline	see all
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Chapter

Smart Contracts

There is a buzz of excitement surrounding smart contracts, with considerable speculation about the role they ... up, there has been significant investment in smart contract technology from small organisations as ...
Maria Grazia Vigliotti, Haydn Jones in *The Executive Guide to Blockchain* (2020)

Chapter

Smart Contracts

There has been little discussion about smart contracts in relation to contract law. The concept of smart contracting has remained incomprehensible to most lawyers, and ... perceive it as a solution that replaces ...
Merit Kölvar, Margus Poola, Addi Rull in *The Future of Law and eTechnologies* (2016)

Chapter

Smart Contracts

In CTF competitions, blockchain is a new challenge type that has emerged in recent years. Many CTF competitions have adopted blockchain challenges, and blockchain vendors also hold special blockchain competitions...
Handbook for CTFers (2022)

Chapter

Smart Contracts

Let's start with two definitions:
Shilpa Karkeraa in *Unlocking Blockchain on Azure* (2020)

Article

4) Economics of Cryptocurrency



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Subjects ^

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Article Full Access

The economics of cryptocurrency: Bitcoin and beyond

Jonathan Chiu, Thorsten V. Koeppl

Canadian Journal of Economics/Revue canadienne d'économie | Volume 55, Issue 4

First published: 23 October 2022

Abstract v

ARTICLE Full Access

Philosophy, politics, and economics of cryptocurrency I: Money without state

Andrew M. Bailey, Bradley Rettler, Craig Warmke

Philosophy Compass | Volume 16, Issue 11

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Subject areas

Short communication

A deep analysis of the economics and finance research on cryptocurrencies
Economics Letters, 2 May 2023

Steven Gordon, Zhi Li, John Marthinsen

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Study on the economics of wind energy through cryptocurrency
Energy Reports, 2 November 2022

Raúl Vega-Marcos, Antonio Colmenar-Santos, ... Enrique Rosales-Asensio

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Heterogeneous dependence among cryptocurrency, green bonds, and sustainable equity: New insights from Granger-causality in quantiles analysis
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Chi-Chuan Lee, Chin-Hsien Yu, Jian Zhang

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Economics	699
Finance	685

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Artificial Intelligence	976
Computational Intelligence	808
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IT in Business	347

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Book

Blockchain Economics and Financial Market Innovation
Financial Innovations in the Digital Age
Umit Hacioglu in *Contributions to Economics* (2019)

Book

The Palgrave Handbook of FinTech and Blockchain
Maurizio Pompella, Roman Matousek (2021)

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The Bitcoin Dilemma
Weighing the Economic and Environmental Costs and Benefits
Colin L. Read (2022)

Book

Business 4.0 as a Subject of the Digital Economy
Elena G. Popkova in *Advances in Science, Technology & Innovation* (2022)

Articles

1. GLENN, N. and REED, R. (2023), Cryptocurrency, Security, and Financial Intermediation. *Journal of Money, Credit and Banking*.

Cryptocurrency, Security, and Financial Intermediation

NICHOLAS GLENN ✉, ROBERT REED ✉

First published: 15 February 2023 | <https://doi.org/10.1111/jmcb.13027>

SECTIONS

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Abstract

In recent years, the use of cryptocurrencies has increased. As these currencies continue to play a larger role, they eventually will be an important component of banking system activity. Moreover, in addition to the standard role of financial intermediaries to facilitate lending, intermediaries can be valuable firms that help provide safekeeping of tokens. The objective of this paper is to demonstrate these important functions in a microfounded model of monetary exchange. Furthermore, we also consider the possibility that central banks issue their own digital currencies that may affect the level of intermediation in the private banking system.

SATASHI NAKAMOTO CREATED THE CRYPTOCURRENCY known as bitcoin in 2008. Since then, many other cryptocurrencies have been introduced and have been circulating in the global financial system. Notably, recent estimates of the total market capitalization of the over 7,000 different cryptocurrencies are almost \$350 billion. In particular, the total capitalization of bitcoin is about \$200 billion followed by ethereum at around \$40 billion.¹

Why have cryptocurrencies become increasingly more accepted? Some value the privacy that they derive from conducting transactions in cryptocurrency. However, many also value that alternatives to the centralized financial system are important as central banks continue printing money and devaluing fiat monies issued by sovereign governments. That is, one of the initial motivations for establishing cryptocurrencies such as bitcoin was to avoid inflation risk coming out of the recent Great Financial Crisis. This has further been magnified due to central bank responses to the current public health crisis across the globe. Consequently,



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Monetary policy trilemma, inflation targeting and global financial crisis

Eda Gülşen, Erdal Özmen

International Journal of Finance & Economics

Macroeconomic Effects of Asset-Price Shocks in a Globalized Financial Market

Vincenzo Quadrini

The Scandinavian Journal of Economics

How Should Macroeconomic Policy Respond to Foreign Financial Crises?

Anthony J. Makin

Economic Papers: A journal of applied economics and policy

Argument by False Analogy: The Mistaken Classification of Bitcoin as Token Money

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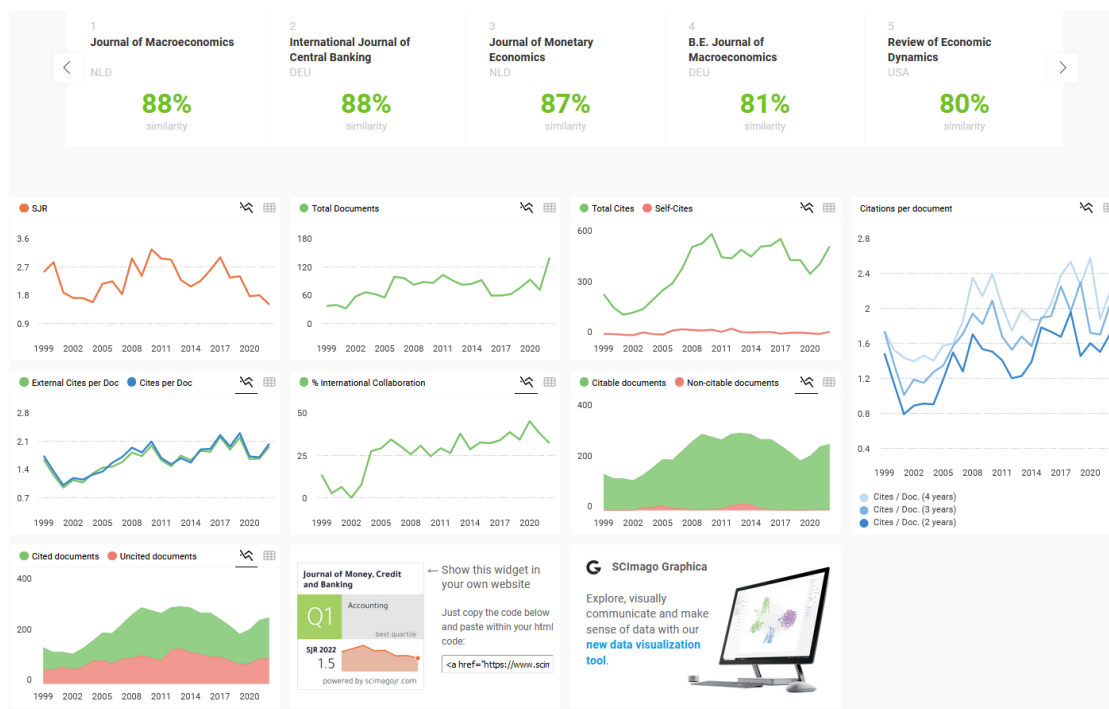
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COUNTRY United States Universities and research institutions in United States Media Ranking in United States	SUBJECT AREA AND CATEGORY Business, Management and Accounting └ Accounting Economics, Econometrics and Finance └ Economics and Econometrics └ Finance	PUBLISHER Wiley-Blackwell	H-INDEX 119
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ORIGINAL ARTICLE | [Full Access](#)**Is the cryptocurrency market a hedge against stock market risk? A Wavelet and GARCH approach**Susovan Jana, Tarak N. Sahu First published: 16 September 2023 | <https://doi.org/10.1111/ecno.12227> SECTIONS PDF  TOOLS  SHARE**Abstract**

This study analyses six major cryptocurrencies and four global stock markets to explore the role of cryptocurrencies as a hedge, safe haven, and diversifier in stock markets. The study employs ADCC-GARCH and Wavelet Coherence Technique, using daily data from 4 January 2017 to 28 February 2023. The study has found that stock returns and unstable cryptocurrency returns have high volatility persistence in the long run. Besides, while unstable digital currencies (Bitcoin, Ethereum, Binance Coin, and Dogecoin) serve as a hedge during stable economic periods, they have not been a hedge during economic turmoil in the stock markets. Conversely, stablecoins (Tether and USD Coin) have been shown to have acted as a hedge during normal economic times and have offered a safe haven during economic downturns. Except for Tether, all cryptocurrencies' diversification capacity is time-varying. In stable economic conditions, they serve as diversifiers, but during turmoil, they do not. However, Tether serves as a diversifier regardless of the financial situation. Finally, the present investigation is expected to offer crucial information on hedge, safe haven and diversification for quasi-investors.

1 INTRODUCTION

With the introduction of Bitcoin in 2008, cryptocurrencies have become increasingly popular, sparking interest from investors, financial institutions, and even governments all over the globe (Aslanidis et al., 2019). The bitcoin price has risen a few cents to \$23,147; market



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November 2023
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 Figures  References  Related  Information

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Are gold, USD, and Bitcoin hedge or safe haven against stock? The implication for risk management

Udayan Sharma, Madhusudan Karmakar

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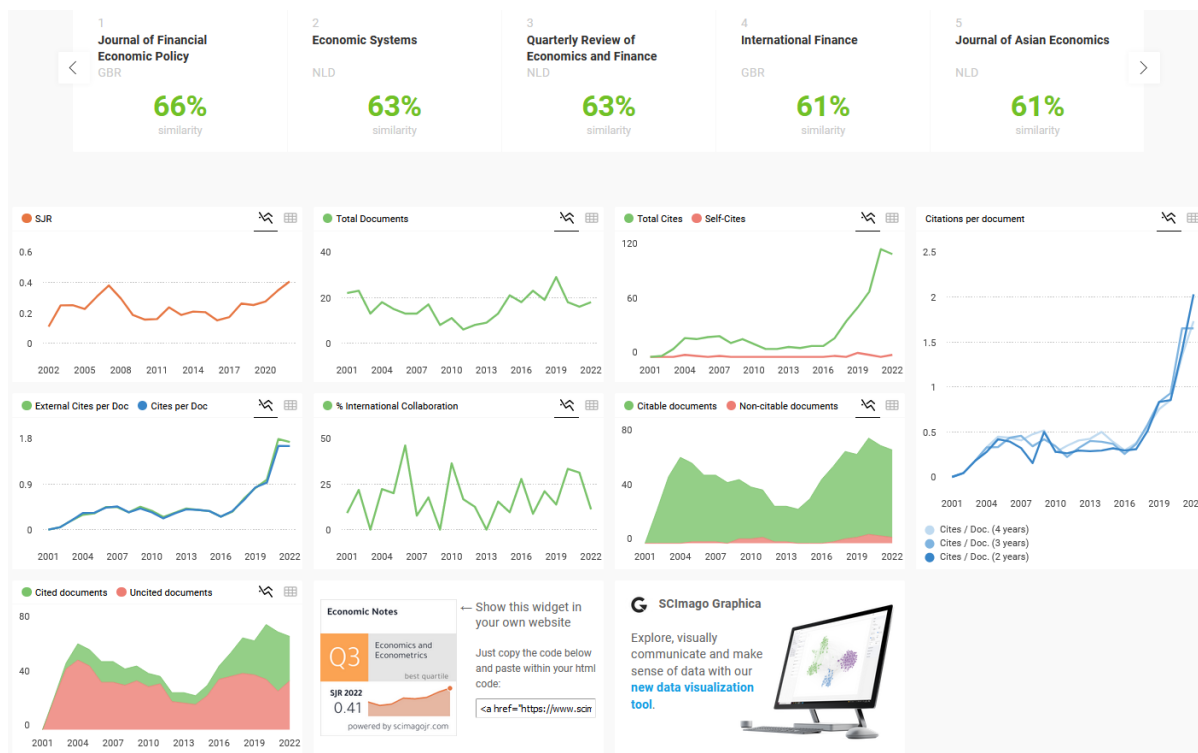
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3. Zhang, S., Zhou, X., Pan, H. and Jia, J. (2019), Cryptocurrency, confirmatory bias and news readability – evidence from the largest Chinese cryptocurrency exchange. *Account Finance*, 58: 1445-1468.

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Cryptocurrency, confirmatory bias and news readability – evidence from the largest Chinese cryptocurrency exchange

Shuyu Zhang✉, Xuanyu Zhou, Huifeng Pan, Junyi Jia

First published: 21 February 2019 | <https://doi.org/10.1111/acf.12454> | Citations: 16

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Abstract

We investigate whether Chinese cryptocurrency investors show confirmatory bias when processing authority-related news. Authority-related news is defined as news that is related to government authority (including central bank) policies or talk. By using data from the largest cryptocurrency exchange in China, we find that investors' response to authority-related news is negative and significant in general. Moreover, we find that the abnormal trading volume and standard deviation of abnormal trading volume are significantly higher for authority-related news with higher readability, suggesting investors respond to the more readable authority-related news with more trading behaviour.

1 Introduction

On 11 December 2017, the derivatives marketplace operator CME Group launched the bitcoin futures product, and the DX.Exchange service. The first ever cryptocurrency exchange powered by Nasdaq launched in June 2018. Bitcoin is becoming a new asset, attracting increasing attention around the world.

In 2008 Satoshi Nakamoto initially introduced the idea of cryptocurrency and the distributed ledger. By the end of May 2018, the trading volume of the main types of cryptocurrency had reached about \$US15.67 billion, with a total market value of \$US381.76 billion. The value of bitcoin fluctuates rapidly, which has led to an average return of 854 percent and a volatility of 348,447 percent per year since 2014, when taking into account all cryptocurrencies. Bitcoin dominates the cryptocurrency market with about 37.2 percent market share.



Volume 58, Issue 5
March 2019
Pages 1445-1468

Figures References Related Information

Recommended

What Is a Cryptocurrency?
Investigating Cryptocurrencies: Understanding, Extracting, and Analyzing Blockchain Evidence, [1]

Cryptocurrency and Blockchain
From Traditional Fault Tolerance to Blockchain, [1]

Blockchain and Cryptocurrency
Breaking Digital Gridlock: Improving Your Bank's Digital Future by Making Technology Changes Now, [1]

The relationship between arbitrage in futures and spot markets and Bitcoin price movements: Evidence from the Bitcoin markets
Takahiro Hattori, Ryo Ishida
Journal of Futures Markets

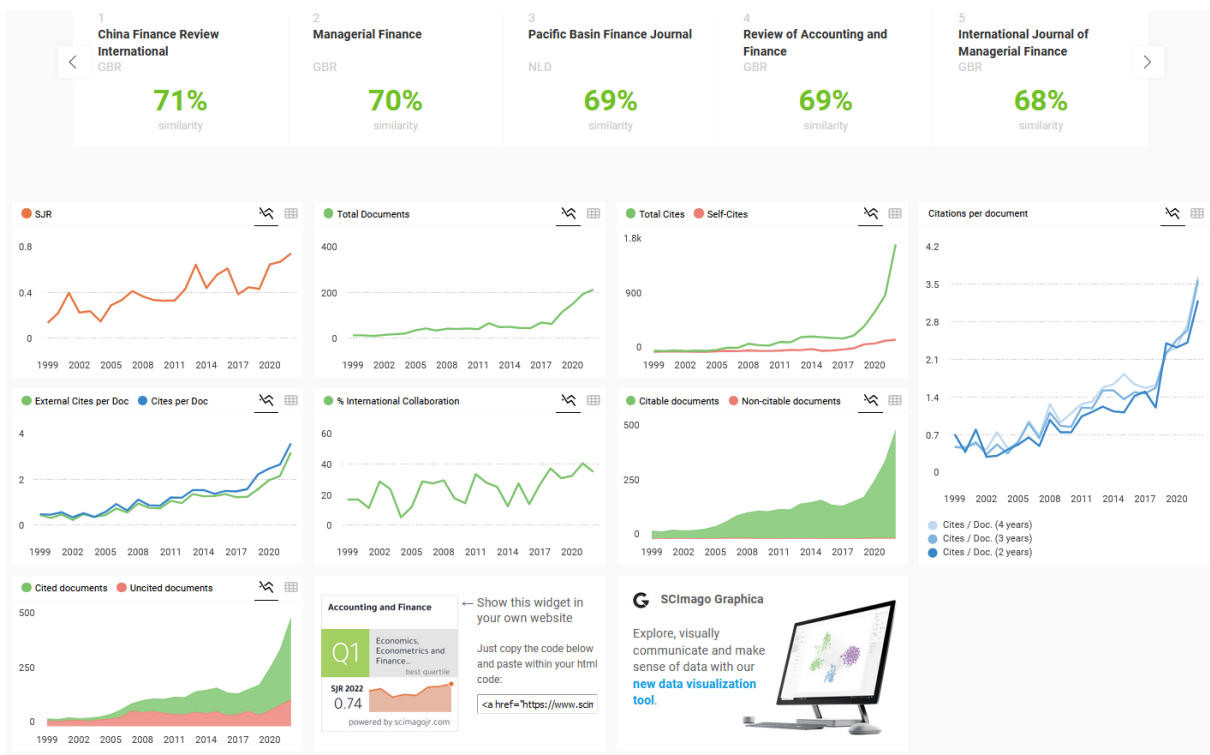
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YUKUN LIU, ALEH TSYVINSKI, XI WU
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4. Smales, L.A. (2020), One Cryptocurrency to Explain Them All? Understanding the Importance of Bitcoin in Cryptocurrency Returns. Econ Pap, 39: 118-132.



Special Section: Economics of Blockchain Technology | [Full Access](#)

One Cryptocurrency to Explain Them All? Understanding the Importance of Bitcoin in Cryptocurrency Returns

Lee Alan Smales 

First published: 21 April 2020 | <https://doi.org/10.1111/1759-3441.12282> | Citations: 17

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Abstract

We utilise principal component analysis to determine whether a (small) set of factors can explain cryptocurrency returns and whether this varies over time. We find that a substantial proportion of cryptocurrency return variation is explained by a single principal component that is highly correlated with bitcoin returns. The explanatory power of this factor is greatest for larger cryptocurrencies and increases markedly in the most recent part of the sample. Our results have implications for investors determining optimal portfolio decisions and for policy-makers wary of systemic risk.

1 Introduction

The first blockchain was implemented by Satoshi Nakamoto in 2008, serving as the public ledger for bitcoin transactions. In the ensuing period, cryptocurrencies have received substantial attention from investors, regulators and the media. This is despite the ongoing debate as to the correct designation of cryptocurrencies, with many countries yet to determine legal status. With bitcoin, and cryptocurrencies in general, failing to fulfil any of the criteria required to be a currency (Yermack, 2013), the consensus seems to be moving towards use as a speculative investment (e.g. Yermack, 2013; Baur *et al.*, 2018). Elendner *et al.* (2018) suggest that the development of a wide range of alternative coins, with idiosyncratic properties, makes it important to consider the ramifications for portfolio choice and diversification.

The earliest studies in this nascent field suggested the presence of inefficiency (Urquhart, 2016) and predictable patterns (Phillip *et al.*, 2018) in cryptocurrency markets. More recently, market maturation has led to greater efficiency (Vidal-Tomas & Ibanez, 2018; Grobys &



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 Figures  References  Related  Information

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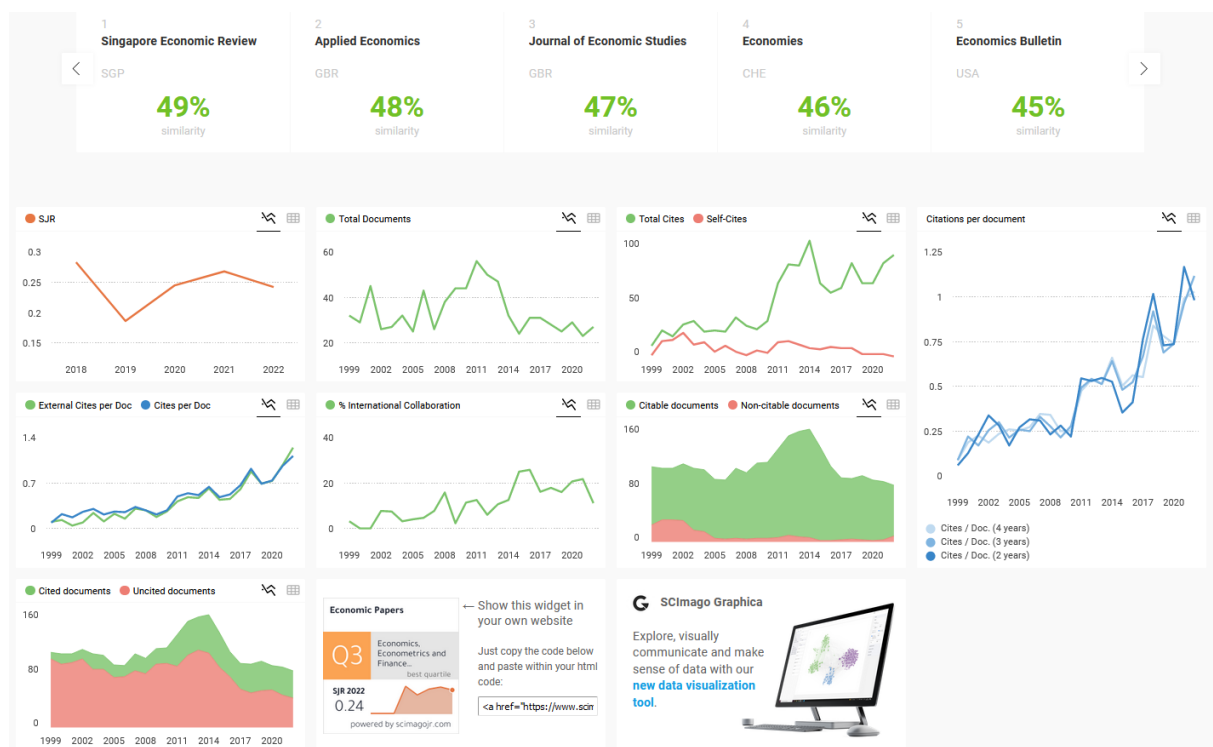
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PUBLICATION TYPE Journals	ISSN 17593441, 08120439	COVERAGE 1982-2022	INFORMATION Homepage How to publish in this journal Rachel.Ong@cbs.curtin.edu.au

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- Trequattrini, R., Palmaccio, M., Turco, M., & Manzari, A. (2023). The contribution of blockchain technologies to anti-corruption practices: A systematic literature review. *Business Strategy and the Environment*, 1–15.

The contribution of blockchain technologies to anti-corruption practices: A systematic literature review

Raffaele Trequattrini, Matteo Palmaccio✉, Mario Turco, Alberto Manzari

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Abstract

This paper proposes a systematic literature review emphasising scholars' view on the impact of the adoption of blockchain technologies to fight corruption. Providing a deep understanding of the state of the art, the paper drafts implications and valuable insights to address future research. The connection of anticorruption policies and blockchain technologies has been investigated using Scopus database and ABS journal ranking. The importance assumed by anticorruption policies and the innovativeness of the blockchain technology, thanks to its characteristics of immutability, automatic timestamping and distributed architecture, needs to be investigated in an integrated perspective. This study provides for the first time a systematic connection among anticorruption practices and blockchain towards the lens of the business, management and accounting field, providing valuable implications, insights and emerging issues.

1 INTRODUCTION

Corruption is a pervasive phenomenon that affects public and private organisations around the globe with the United Nations estimating a global cost of corruption of the 5% of world gross domestic product (United Nations, 2018). The increasing attention to anticorruption practices in private and public organisations has drawn the effort of many scholars (Anagnosti et al., 2020; Cardoni et al., 2020; di Pietra & Melis, 2016; Lombardi et al., 2019; Paterson et al., 2019; Podolnii & Podolnaya, 2016). Indeed, corruption has many implications for business strategy, business model, corporate sustainability, risks management, environmental performance, environmental accounting and auditing and stakeholders' environment (Lombardi & Trequattrini, 2020).



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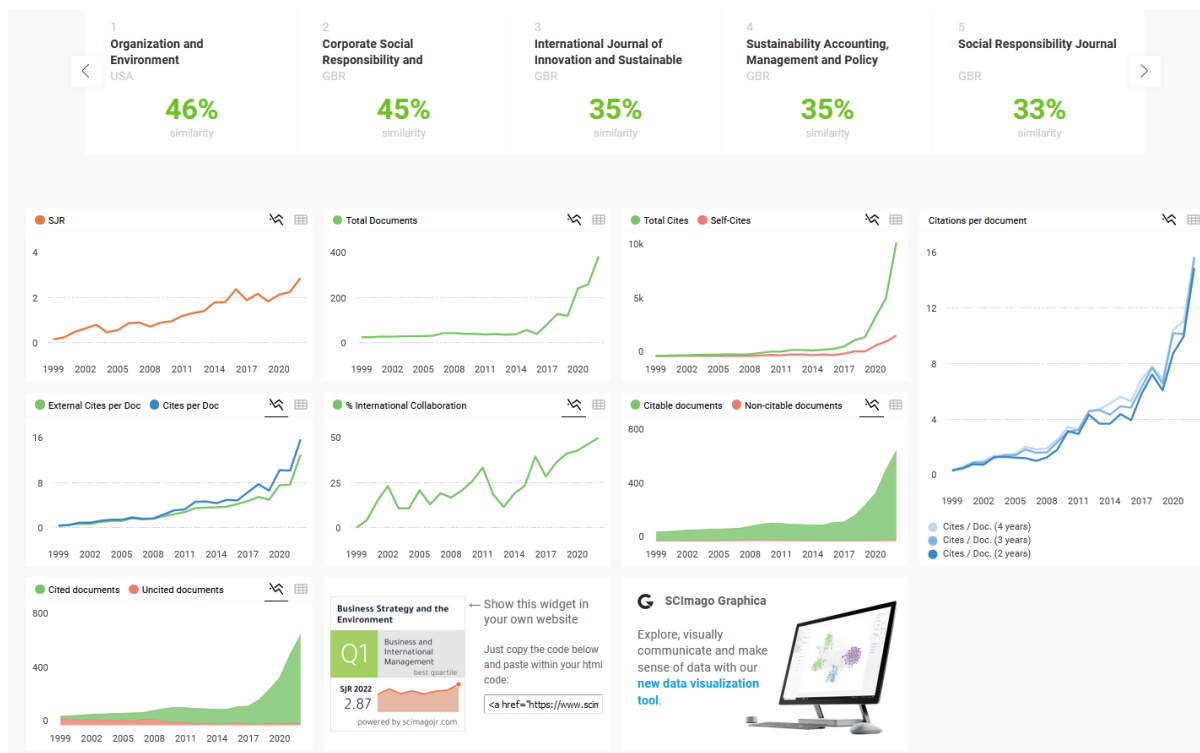
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Вывод:

На основе проведенного поиска статей в англоязычных журналах на тему "Преобразование финансового ландшафта: роль блокчейн-технологии в развитии и применении криптовалюты" можно сделать следующие выводы. Проведенный анализ выявил множество публикаций, посвященных данной теме, что свидетельствует о значительном интересе к роли блокчейн-технологии в финансовой сфере и сфере криптовалюты.