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Федеральное государственное бюджетное образовательное учреждение
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Факультет цифровых технологий и химического инжиниринга
Кафедра информационных компьютерных технологий

ОТЧЕТ

Ведущий преподаватель, к.т.н.

Зубов Д.В.

СТУДЕНТКА группы КС-30

Курочкина А.А.

Москва

2024

Англоязычный поиск

Research topic:

Concept of smart city

Keywords:

Concept of smart city, digitalization of the city, smart city.

Google Академия

Concept of smart city, digitalization of the city, smart city

Статьи

Результатов: примерно 143 000 (0,23 сек.)

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Digitalization process in Ukraine as a prerequisite for the smart city concept development [PDF] cyberleninka

A Pozdniakova - Baltic Journal of Economic Studies, 2017 - cyberleninka.ru

... have at least 88 **smart cities** worldwide. They **define smart cities** as **cities** that have deployed ... across three or more different functional areas of a **city** (mobile and transport, energy and ...

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[PDF] **Smart city and digital city: twenty years of terminology evolution** [PDF] itais.org

RP Dameri, A Cocchia - X Conference of the Italian Chapter of AIS, ITAIS, 2013 - itais.org

... to **define** a development path to implement **smart** and **digital** ... the evolution of **smart city** and **digital city concepts** during the ... each other several **smart city** and **digital city** definitions and fi...

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Digital systems in smart city and infrastructure: Digital as a service [PDF] mdpi.com

W Serrano - Smart cities, 2018 - mdpi.com

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☒ 2020 (843)

☐ 2019 (593)

☐ 2018 (498)

☐ 2017 (525)

☐ 2016 (512)

☐ 2015 (379)

☐ 2014 (280)

☐ 2013 (135)

☐ 2012 (136)

☐ 2011 (80)

☐ 2010 (27)

☐ 2009 (20)

☐ 2008 (23)

Research article • Open access

Drones as an Example of the Use of Smart Technologies in Cooperation with the State Security Forces in the Context of the Smart Cities Concept in the Czech Republic

Procedia Computer Science, 2024

Hana Dubravova, Vladimir Bures, Lukas Velf

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Research article • Open access

The concept of network resource control of a 5G cluster focused on the smart city's

Alexandria Engineering Journal, May 2024

Viacheslav Kovtun, Krzysztof Grochla, Konrad Polys

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Research article • Open access

Smart Cities in Nepal: The concept, evolution and emerging patterns

Urban Governance, September 2023

1. Municipalities' understanding of the Smart City concept: An exploratory analysis in Belgium

Author: Jonathan Desdemoustier, Nathalie Crutzen, Rudolf Giffinger

Publication: Technological Forecasting and Social Change

Publisher: Elsevier

Date: May 2019

Google Академия

Crutzen Nathalie

Professor, HEC Liege, U Liege (Belgium)
Подтвержден адрес электронной почты в домене uliege.be

Sustainability Management Strategy Management Control Governance Smart Cities

ПОДЛИСАТЬСЯ

СОЗДАТЬ СВОЙ ПРОФИЛЬ

Прочитано

ПРОСМОТРЕТЬ ВСЕ

Все

Начиная с 2019 г.

Статистика цитирования

3228

2604

h-индекс

25

23

i10-индекс

34

28

2017

2018

2019

2020

2021

2022

2023

2024

Общий доступ

ПРОСМОТРЕТЬ ВСЕ

0 статей

1 статья

недоступно

доступно

На основе финансирования

НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
How do we understand smart cities? An evolutionary perspective RKR Kummita, N Crutzen Cities 67, 43-52	700	2017
Integrating corporate sustainability assessment, management accounting, control, and reporting K Maas, S Schaltegger, N Crutzen Journal of cleaner production 136, 237-248	519	2016
Sustainability and management control. Exploring and theorizing control patterns in large European firms N Crutzen, D Zvezdov, S Schaltegger Journal of Cleaner production 143, 1291-1301	214	2017
Municipalities' understanding of the Smart City concept: An exploratory analysis in Belgium J Desdemoustier, N Crutzen, R Giffinger Technological Forecasting and Social Change 142, 129-141	189	2019
Smart cities and the citizen-driven Internet of things: A qualitative inquiry into an emerging smart city RKR Kummita, N Crutzen Technological Forecasting and Social Change 140, 44-53	168	2019
Advancing the integration of corporate sustainability measurement, management and reporting RKR Kummita, N Crutzen Technological Forecasting and Social Change 140, 44-53	108	2016

Google Patents

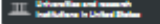
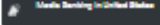
Nathalie Crutzen

 (Nathalie); Inventor: Crutzen;

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3

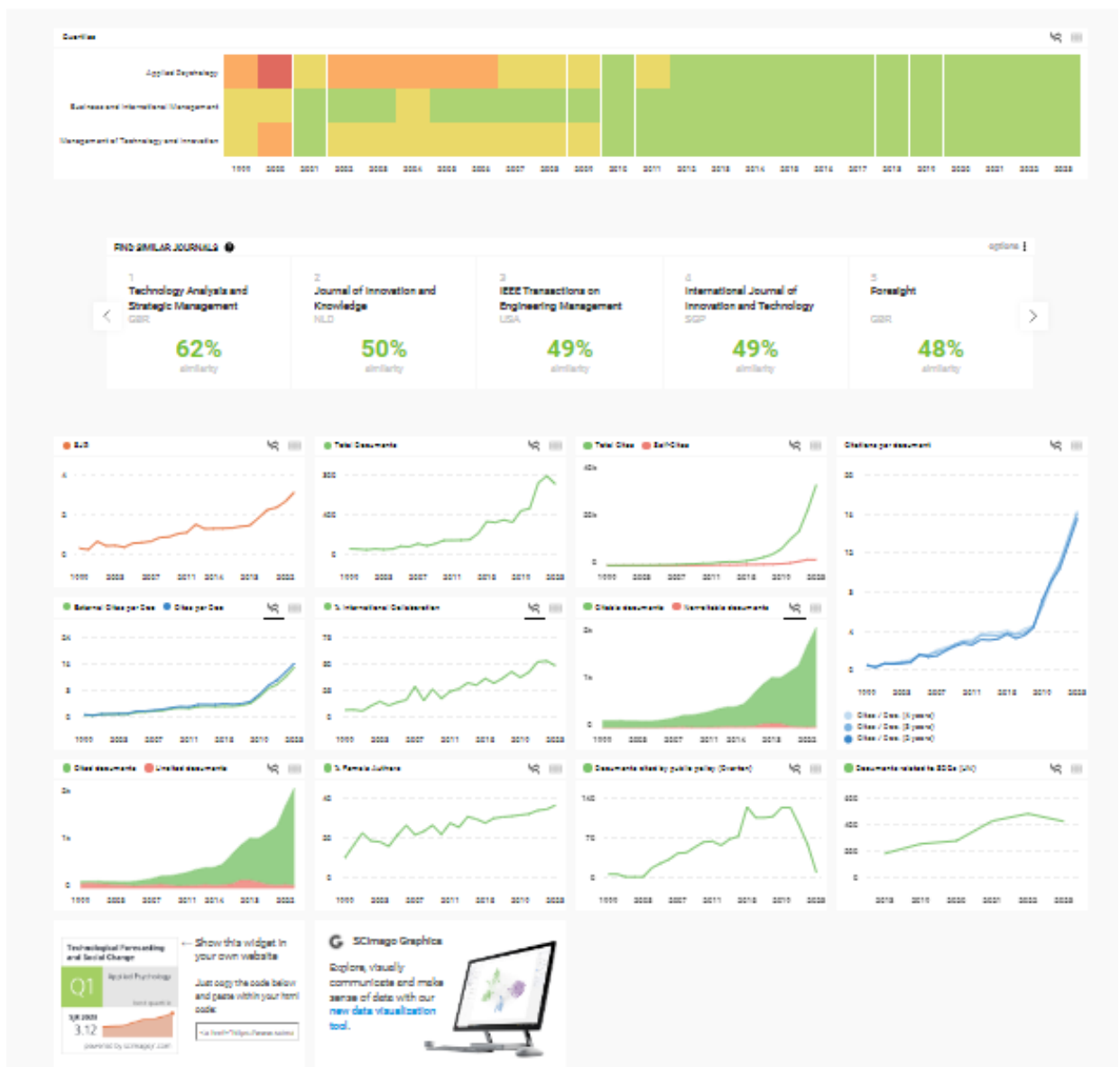
Technological Forecasting and Social Change

COUNTRY United States  	SUBJECT AREA AND CATEGORY Business, Management and Accounting └ Business and International Management └ Management of Technology and Innovation Psychology └ Applied Psychology	PUBLISHER Elsevier Inc.	H-INDEX 179
PUBLICATION TYPE Journals	ISSN 0040-1625	COVERAGE 1970-2023	INFORMATION Homepage How to publish in this Journal Contact

SCOPE

A major forum for those wishing to deal directly with the methodology and practice of technological forecasting and future studies as planning tools as they interrelate social, environmental and technological factors.

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2. Machine learning in the Internet of Things: Designed techniques for smart cities

Author: Ikram Ud Din, Mohsen Guizani, Joel J.P.C. Rodrigues, Suhaidi Hassan, Valery V. Korotaev

Publication: Future Generation Computer Systems

Publisher: Elsevier

Date: November 2019

Mohsen Guizani, FIEEE
Mohamed Bin Zayed University of Artificial Intelligence (MBZUAI)
Подтвержден адрес электронной почты в домене mbzuai.ac.ae
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НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
Internet of things: A survey on enabling technologies, protocols, and applications A Al-Fuqaha, M Guizani, M Mohammadi, M Aledhari, M Ayyash IEEE communications surveys & tutorials 17 (4), 2347-2376	10376	2015
Deep learning for IoT big data and streaming analytics: A survey M Mohammadi, A Al-Fuqaha, S Sorour, M Guizani IEEE Communications Surveys & Tutorials 20 (4), 2923-2960	1570	2018
MeDShare: Trust-less medical data sharing among cloud service providers via blockchain Qi Xia, EB Sifah, KO Asamoah, J Gao, X Du, M Guizani IEEE access 5, 14757-14767	1297	2017
A comprehensive review of the COVID-19 pandemic and the role of IoT, drones, AI, blockchain, and 5G in managing its impact V Chamola, V Hassija, V Gupta, M Guizani IEEE access 8, 90225-90265	1264	2020
A survey of machine and deep learning methods for internet of things (IoT) security MA Al-Garadi, A Mohamed, AK Al-Ali, X Du, I Ali, M Guizani IEEE communications surveys & tutorials 22 (3), 1646-1685	1211	2020
Internet of things architecture: Recent advances, taxonomy, requirements, and open challenges I Yaqoob, E Ahmed, IAT Hashem, AIA Ahmed, A Gani, M Imran, M Guizani	792	2017

Прочитано

ПРОСМОТРЕТЬ ВСЕ

Все Начиная с 2019 г.

Статистика цитирования	80229	65030
h-индекс	123	111
i10-индекс	944	823

Общий доступ

ПРОСМОТРЕТЬ ВСЕ

332 статьи

264 статьи

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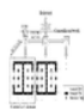
Mohsen Guizani

(Mohsen Guizani);

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New wireless communication paradigm: realizing programmable wireless ...



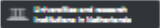
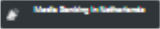
EP US • [US20190044246A1](#) • Andreas Pitsillides • University Of Cyprus

Priority 2017-08-01 • Filed 2018-07-30 • Published 2019-02-07

A system for controlling an interaction of a surface with an impinging electromagnetic wave is provided. The system comprises a surface comprising a plurality of controllable elements, wherein each of the controllable elements is configured to adjust its electromagnetic behavior based on a control ...

System and method for allocating and estimating the bandwidth of multiple ...

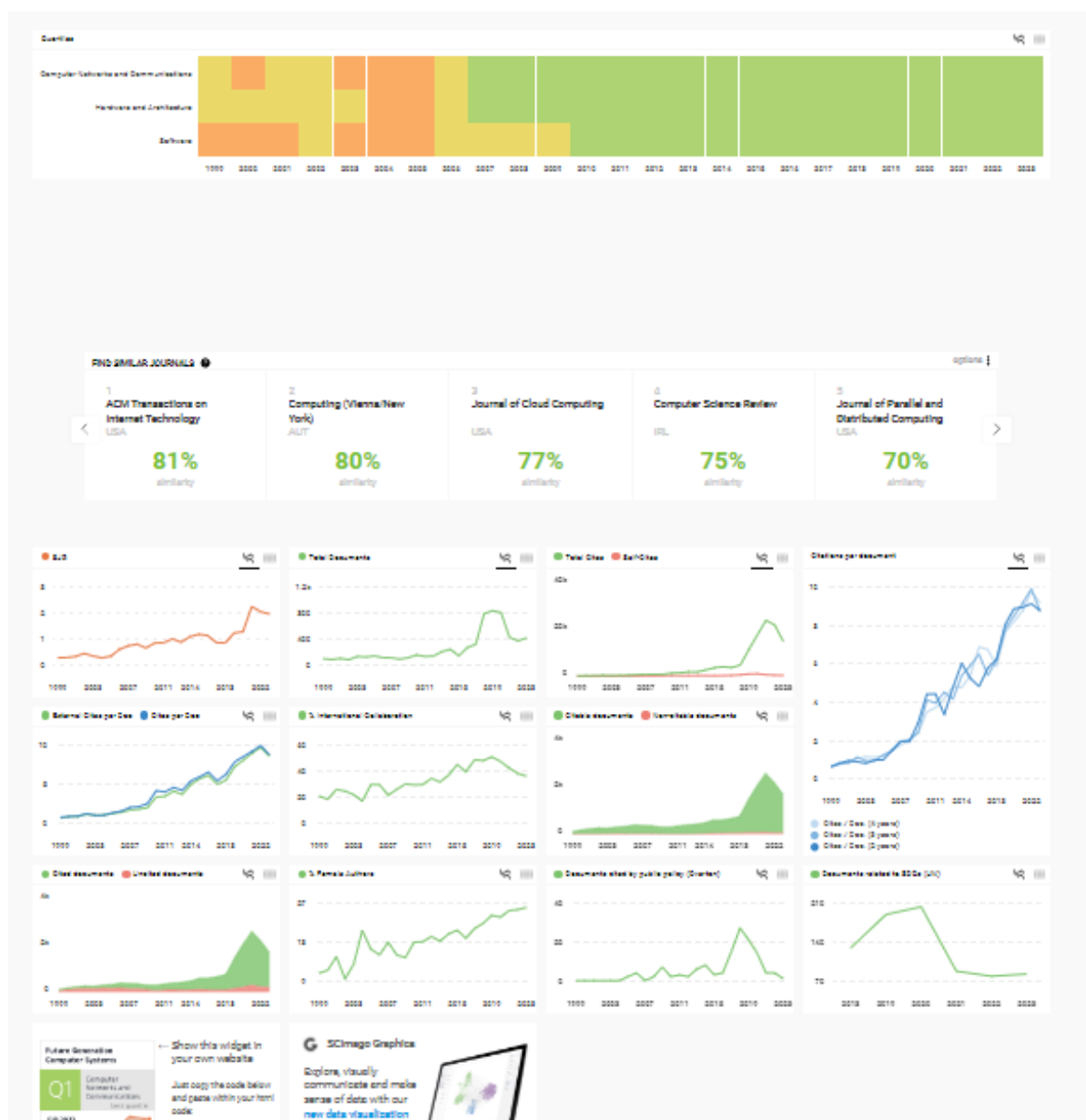
Future Generation Computer Systems

COUNTRY Netherlands  	SUBJECT AREA AND CATEGORY Computer Science Computer Networks and Communications Hardware and Architecture Software	PUBLISHER Elsevier B.V.	H-INDEX 164
PUBLICATION TYPE Journals	ISSN 0167729X	COVERAGE 1986-2024	INFORMATION Homepage How to publish in this journal

SCORE

Computing infrastructures and systems are rapidly developing and as are novel ways to map, control and execute scientific applications which become more and more complex and collaborative. Computational and storage capabilities, databases, sensors, and people need true collaborative tools. Over the last years there has been a real explosion of new theory and technological progress supporting a better understanding of these wider area, fully distributed sensing and computing systems. Big Data in all its guises require novel methods and infrastructures to register, analyse and drill meaning. FGCS aims to lead the way in advances in distributed systems, collaborative environments, high performance and high performance computing, Big Data on such infrastructures as grids, clouds and the Internet of Things (IoT).

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3. Scaling smartness, (de)provincialising the city? The ASEAN Smart Cities Network and the translational politics of technocratic regionalism

Author: Lily Kong, Orlando Woods

Publication: Cities

Publisher: Elsevier

Date: October 2021

Google Академия



Lily Kong

Professor, Singapore Management University
Подтвержден адрес электронной почты в домене smu.edu.sg

religion cultural policy creative industries and crea... national identity smart cities

ПОДПИСАТЬСЯ

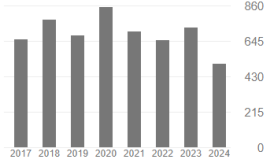
СОЗДАТЬ СВОЙ ПРОФИЛЬ

Процитировано

ПРОСМОТРЕТЬ ВСЕ

Все Начиная с 2019 г

Статистика цитирования	12246	4133
h-индекс	56	36
i10-индекс	132	95



Общий доступ

ПРОСМОТРЕТЬ ВСЕ

0 статей

5 статей

недоступно

доступно

На основе финансирования

НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
Mapping 'new' geographies of religion: politics and poetics in modernity L Kong Progress in human geography 25 (2), 211-233	863	2001
Cultural economy: a critical review C Gibson, L Kong Progress in human geography 29 (5), 541-561	602	2005
Global shifts, theoretical shifts: Changing geographies of religion L Kong Progress in human geography 34 (6), 755-776	566	2010
Geography and religion: trends and prospects L Kong Progress in human geography 14 (3), 355-371	457	1990
Popular music in geographical analyses L Kong Progress in human geography 19 (2), 183-198	386	1995
Singapore: A developmental city state M Perry, L Kong, SAB Yeoh Wiley	372	1997
The Politics of Landscapes in Singapore: Constructions of "Nation" L Kong, BSA Yeoh Suranaree University Press	344	2003

Google Patents

Lily Kong

 (Lily Kong);

About 2 999 results

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Methods and compositions for increasing efficiency of targeted gene ...

WO EP US CN JP KR AU CA CL DK EA ES FI HR HU IL LT NZ PL PT RS SI UA · [JP2020188773A](#) · Аэру, Бёсам, Бёта
· Сайпас Юэс ЭлелерШё

Priority 2014-03-14 · Filed 2020-06-02 · Published 2020-11-26

To provide methods and compositions for producing a targeted change to a DNA sequence. SOLUTION: Provided is a method of causing one or more targeted genetic changes within a plant cell, which method comprises delivering, to the plant cell, a CRISPR nuclease for introducing single- or double- ...

Compositions and methods for treating cancer with atypical BRAF mutations

WO EP US CN JP AU BR CA MX · [AU2018269982B2](#) · Gary Decrescenzo · Biomed Valley Discoveries, Inc.

Priority 2017-05-16 · Filed 2018-05-15 · Granted 2024-06-13 · Published 2024-06-13

7

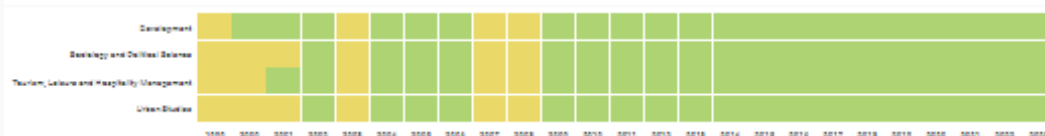
COUNTRY United Kingdom Universities and research institutions in United Kingdom Media Banking in United Kingdom	SUBJECT AREA AND CATEGORY Business, Management and Accounting ↳ Tourism, Leisure and Hospitality Management Social Sciences ↳ Development ↳ Sociology and Political Science ↳ Urban Studies	PUBLISHER Elsevier Ltd	H-INDEX 127
PUBLICATION TYPE Journals	ISSN 02642751	COVERAGE 1992-2022	INFORMATION Homepage How to publish in this journal Contact

SCOPE

Cities publishes articles on many aspects of urban planning and policy. It distinguishes itself by providing an international and interdisciplinary platform for the exchange of ideas and information among urban planners, policy makers and analysts, and urbanists from all disciplines. The primary aims of the journal are to analyze and assess past and present urban development and management as a reflection of effective, ineffective and non-existent planning policies; and the promotion of the implementation of appropriate urban policies in both the developed and the developing world. Topics covered include: urban adaptation to climate change; gentrification and housing; homelessness and welfare services; urban management; public-private sector cooperation; development and planning problems; urban regeneration; neighborhood conservation and urban design; immigration and international labor migration; urban politics; urban theory; urban governance; smart cities and regions; infrastructure; livability and quality of life; greening; and the complexities of creating sustainable cities.

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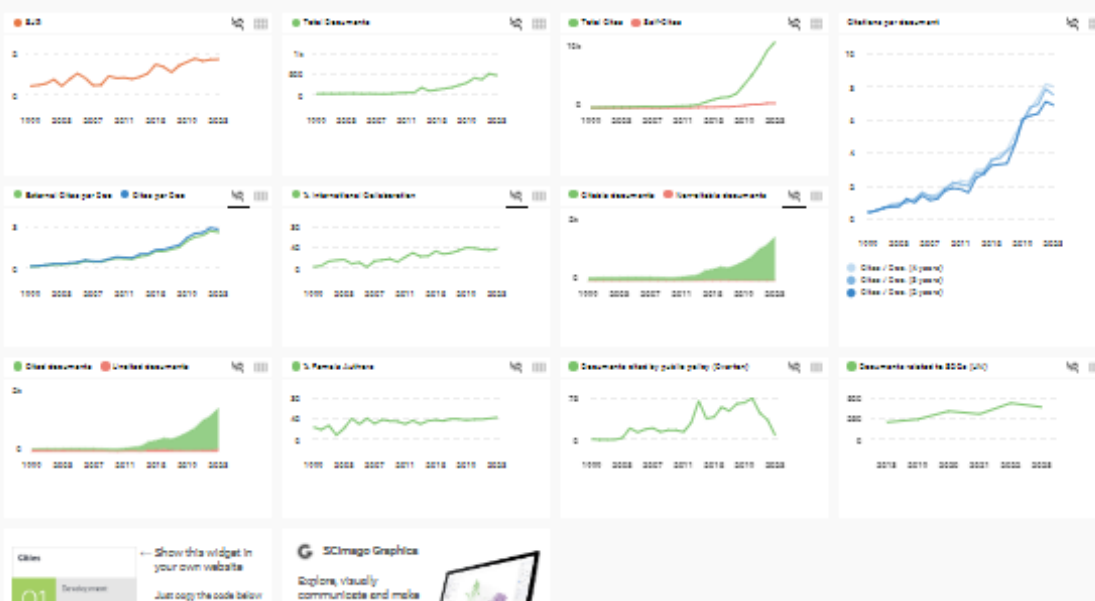
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4. The role of universities in the knowledge management of smart city projects

Author: Lorenzo Ardito, Alberto Ferraris, Antonio Messeni Petruzzelli, Stefano Bresciani, Manlio Del Giudice

Publication: Technological Forecasting and Social Change

Publisher: Elsevier

Date: May 2019

Alberto Ferraris (Ph.D.)
Department of Management, [University of Turin](#)
Подтвержден адрес электронной почты в домене unito.it
[Business Management](#) [Innovation Management](#) [Big Data](#) [Artificial Intelligence](#) [Smart Cities](#)

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НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
Big data analytics capabilities and knowledge management: impact on firm performance A Ferraris, A Mazzoleni, A Devalle, J Couturier Management Decision 57 (8), 1923-1936	732	2019
Literature reviews as independent studies: guidelines for academic practice S Kraus, M Breier, WM Lim, M Dabić, S Kumar, D Kanbach, D Mukherjee, ... Review of Managerial Science 16 (8), 2577-2595	570	2022
The management of organizational ambidexterity through alliances in a new context of analysis: Internet of Things (IoT) smart city projects S Bresciani, A Ferraris, M Del Giudice Technological Forecasting and Social Change 136, 331-338	487	2018
How MNC's subsidiaries may improve their innovative performance? The role of external sources and knowledge management capabilities A Ferraris, G Santoro, L Dezi Journal of Knowledge Management 21 (3), 540-552	431	2017
Big data analytics capabilities and performance: Evidence from a moderated multi-mediation model R Rialti, L Zollo, A Ferraris, I Alon Technological Forecasting and Social Change 149, 119781	383	2019
Internet of Things: applications and challenges in smart cities. A case study of IBM smart city projects. V Scuto, A Ferraris, S Bresciani	374	2016

Протитировано [ПРОСМОТРЕТЬ ВСЕ](#)

Все Начиная с 2019 г.

Статистика цитирования	11577	10966
h-индекс	58	57
i10-индекс	123	119

Общий доступ [ПРОСМОТРЕТЬ ВСЕ](#)

0 статей [2 статьи](#)

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На основе финансирования

Alberto Ferraris

[\(Alberto Ferraris\);](#)

[\(Alberto Ferraris\);](#)

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Zeolite molecular sieves for the removal of toxins



WO EP US AU CA • [US20180369279A1](#) • Gregory K. FRYKMAN • Framework Therapeutics, LLC
Priority 2003-10-20 • Filed 2018-01-22 • Published 2018-12-27
Medical use of natural and synthetic zeolites for treatment, prevention, and palliation in humans or animals of deleterious concentrations of ammonia, mercaptans, heavy metals and other toxins by oral administration.

Method for configuring an optical network



WO EP US • [US8908674B2](#) • Guido Alberto Maier • Telecom Italia S.P.A.
Priority 2005-08-08 • Filed 2005-08-08 • Granted 2014-12-09 • Published 2014-12-09
A network model for the planning and/or the provisioning of traffic flows in a communication network includes nodes interconnected with each other by links according to a given network topology. The network model uses a graph defined by arc objects storing information related to both the links and ...

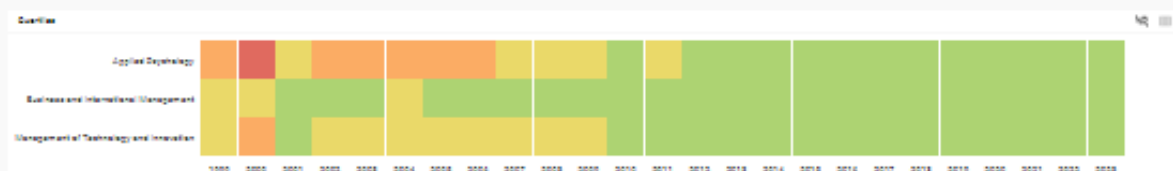
Technological Forecasting and Social Change

COUNTRY United States Universities and research institutions in United States Media Publishing in United States	SUBJECT AREA AND CATEGORY Business, Management and Accounting Business and International Management Management of Technology and Innovation Psychology Applied Psychology	PUBLISHER Elsevier Inc.	H-INDEX 179
PUBLICATION TYPE Journals	ISSN 00401625	COVERAGE 1970-2022	INFORMATION Homepage How to publish in this journal Contact

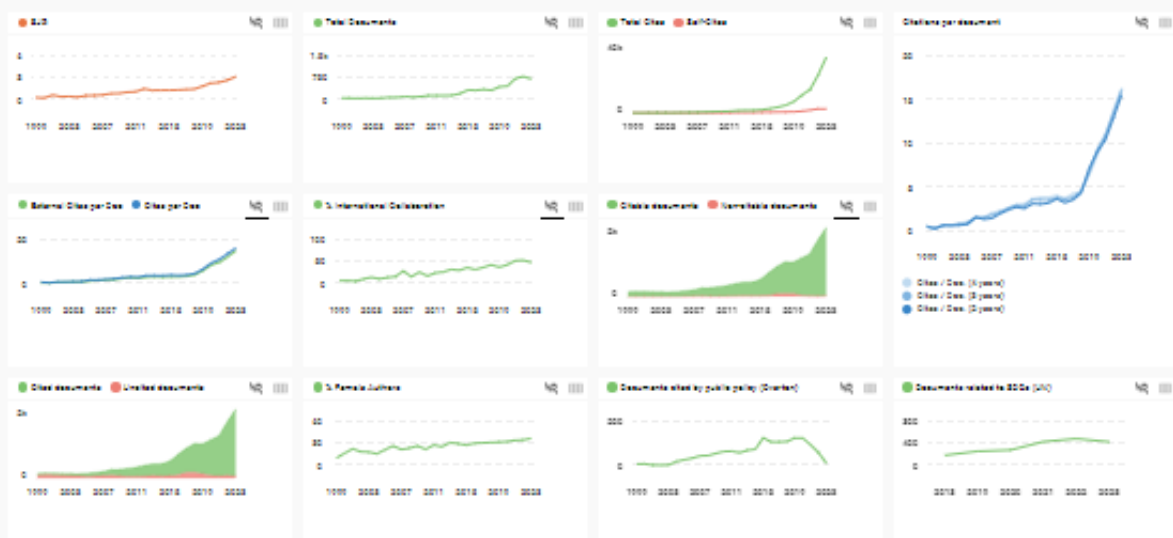
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5. A digital twin smart city for citizen feedback

Author: Gary White, Anna Zink, Lara Codecá, Siobhán Clarke

Publication: Cities

Publisher: Elsevier

Date: March 2021

Siobhan Clarke
Professor of Software Systems, [Trinity College Dublin](#)
Подтвержден адрес электронной почты в домене tcd.ie
[Software Engineering](#) [Services Computing](#) [Mobile Computing](#) [Smart Cities](#)

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Процитировано [ПРОСМОТРЕТЬ ВСЕ](#)

	Все	Начиная с 2019 г.
Статистика цитирования	11191	4089
h-индекс	45	30
i10-индекс	170	76

Общий доступ [ПРОСМОТРЕТЬ ВСЕ](#)

13 статей [103 статьи](#)

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На основе финансирования

НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
Middleware for Internet of Things: a Survey M Razzaque, M Milojevic-Jevric, A Palade, S Clarke IEEE	1334	2016
Aspect-oriented software development A Moreira	1196	2005
Aspect-oriented analysis and design S Clarke, E Baniassad Addison-Wesley Professional	550	2005
Theme: An approach for aspect-oriented analysis and design E Baniassad, S Clarke Proceedings. 28th International Conference on Software Engineering, 158-167	444	2004
A digital twin smart city for citizen feedback G White, A Zink, L Codecá, S Clarke Cities 110, 103064	435	2021
Composition patterns: An approach to designing reusable aspects S Clarke, RJ Walker Software Engineering, International Conference on, 0005-0005	378	2001
CASS—a middleware for mobile context-aware applications	372	2004

(Clarke); Inventor: Siobhan;

About 11 results

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Delivery System
[WO US • US20080063720A1](#) • [Siobhan Mitchell](#) • Gounko Iouri K
Priority 2004-04-29 • Filed 2005-04-29 • Published 2008-03-13
Therapeutic drug delivery and diagnostics systems comprise biologically active compounds associated with particulate carriers of less than 20 nm. These systems can be utilised for targeted modification of growth, development and functions, such as gene expression, protein synthesis, intracellular ...

Compositions, kits and methods for treatment of complement-related disorders
[WO US CA • US20200197484A1](#) • [Siobhan M. Cashman](#) • Trustees Of Tufts College
Priority 2010-08-13 • Filed 2019-06-14 • Published 2020-06-25
Methods, compositions, and kits for regulating complement activity or treating a complement activity disorder

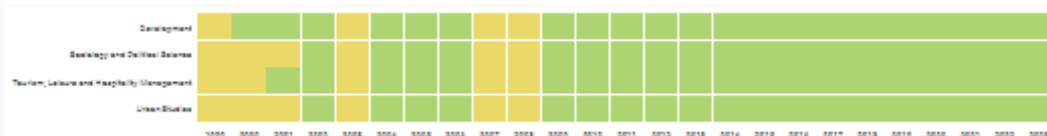
COUNTRY United Kingdom Universities and research institutions in United Kingdom Media Banking in United Kingdom	SUBJECT AREA AND CATEGORY Business, Management and Accounting ↳ Tourism, Leisure and Hospitality Management Social Sciences ↳ Development ↳ Sociology and Political Science ↳ Urban Studies	PUBLISHER Elsevier Ltd	H-INDEX 127
PUBLICATION TYPE Journals	ISSN 02642751	COVERAGE 1993-2022	INFORMATION Homepage How to publish in this journal Contact

SCOPE

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Overlives



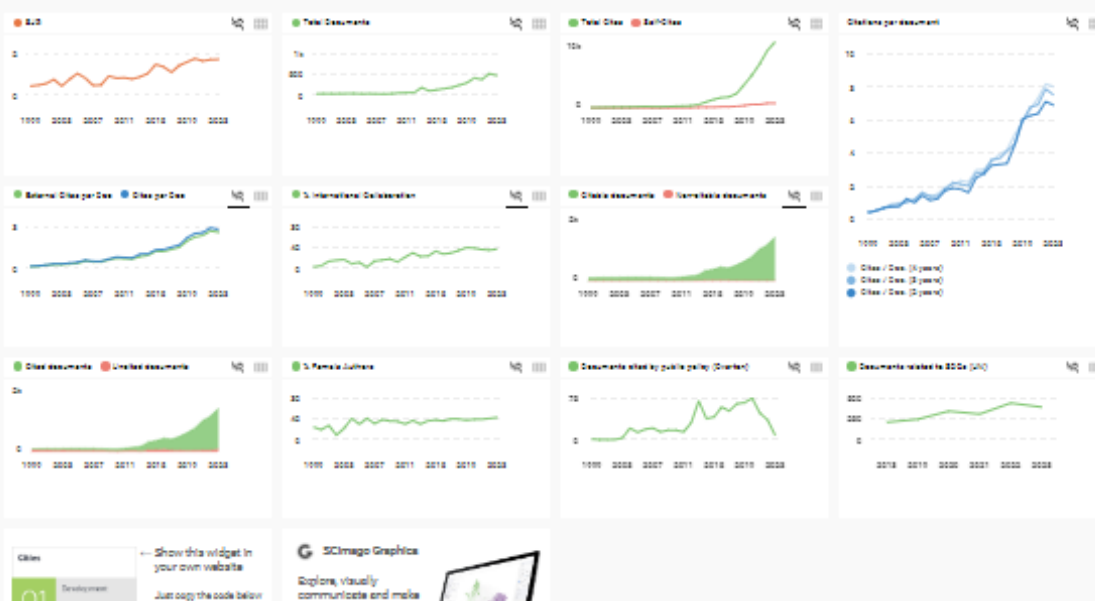
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Выводы

Проанализировав результаты поиска о проектировании умных городов, можно сделать следующие выводы. Выбранные статьи опубликованы в журналах с высокими рейтингом влияния IF и квартилем. Это указывает на то, что данные издания пользуются популярностью в научном сообществе, а тема актуальна на сегодняшний день. Все исследования, представленные в этих работах, важны полезны для современных специалистов в области проектирования умных городов.

Информации по теме в англоязычных источниках больше в несколько раз, чем в русскоязычных, что подтверждает востребованность на международном уровне. Тематика умных городов будет актуальна еще несколько десятков лет.

Общий вывод

Проектирование умных городов является актуальной и востребованной темой в современном мире. Высокий рейтинг публикаций и популярность среди международных исследовательских сообществ подчеркивают значимость изучений в этой области. Значительное количество англоязычных источников указывает на международную значимость темы и долгосрочную перспективу ее развития. Тематика умных городов останется важной на протяжении многих лет, требуя постоянного внимания и обновления со стороны научного сообщества.