

Research Topic

The research topic I have chosen is: "The impact of artificial intelligence on artistic creation".

First search

I used the following search strategy for my literature search, using the Google Scholar search engine.

Start with broad keywords: "artificial intelligence", "artistic creation"

Experimenting with niche keywords such as "Artificial Intelligence and Artistic Creativity", "The Impact of Artificial Intelligence on Artistic Creativity", and "Machine learning and artistic creativity", etc.

Try using Boolean operators (AND, OR) and wildcards (*) to broaden and narrow your search

Use successful search terms and results:

Search term	Result
Artificial Intelligence	5,430,000
Artistic creation	3,520,000
Artificial Intelligence and Artistic creation	429,000
Machine Learning and Artistic Creation	681,000
The Impact of Artificial Intelligence on Artistic Creativity	141,000

I found that the search results were more specific and precise when using Boolean operators and wildcards (*).

Using unsuccessful search terms and results:

Search term	Result
The Impact of Human-machine collaboration on Artistic Creativity	1,370

The results for these search terms are too broad or too narrow to provide specific research information.

Through my attempts, I found that using broad keywords could lead to overly large search results, while using overly specific keywords could lead to overly narrow search results. During my search, I found some literature that was too old despite the keyword match, so I tried to narrow down the time.

Google 学术搜索

Artificial Intelligence and Artistic creation

找到约 17,200 条结果 (用时0.04秒)

我的个人学术档案 我的图书馆

时间不限

2023以来

2022以来

2019以来

自定义范围...

2019 — 2023

搜索

按相关性排序

按日期排序

不限语言

中文网页

简体中文网页

类型不限

评论性文章

☐ 包括专利

☒ 包含引用

创建快讯

Art, creativity, and the potential of artificial intelligence

M.Mazzone, A.Elsammal - Arts, 2019 - mdpi.com

... Admittedly, we are in the very early days of the medium of AI in art creation, but this medium might encompass tools such as code, mathematics, hardware and software, printing choices...

☆ 保存 引用 被引用次数: 118 相关文章 所有 7 个版本

[PDF] mdpi.com

Full View

[HTML] Artificial intelligence and innovation management: A review, framework, and research agenda

N.Haidjari, J.Wineent, V.Pandita, O.Gassmann - ... Forecasting and Social ..., 2021 - Elsevier

... The CAN is a type of GAN that is able to generate novel art... may be supported by artificial intelligence systems. Human-... potential of AI resides in creating a more systematic approach ...

☆ 保存 引用 被引用次数: 233 相关文章 所有 10 个版本

[HTML] sciencedirect.com

Full-Text @ UAL

[HTML] Artificial intelligence in business: State of the art and future research agenda

SMC Loureiro, J.Guarreiro, L.Tussyadyah - Journal of business research, 2021 - Elsevier

... This study provides an overview of state-of-the-art research on Artificial Intelligence in the business context and proposes an agenda for future research. First, by analyzing 404 relevant ...

☆ 保存 引用 被引用次数: 133 相关文章 所有 7 个版本

[HTML] sciencedirect.com

Full-Text @ UAL

Artificial intelligence, deepfakes and a future of ectypes

L.Floridi - ... Governance, and Policies in Artificial Intelligence, 2021 - Springer

... We saw that the production of ectypes does not stop at the work of art, but involves any artefact, ... In particular, artists love to break boundaries and it is easy to imagine that, like Magritte ...

☆ 保存 引用 被引用次数: 136 相关文章 所有 14 个版本

[HTML] springer.com

[图书] Rebooting AI: Building artificial intelligence we can trust

G.Marcus, E.Davis - 2019 - books.google.com

... current state of the art and reveal the steps we must take to achieve a truly robust artificial intelligence. Despite the hype surrounding AI, creating an intelligence that rivals or exceeds ...

☆ 保存 引用 被引用次数: 436 相关文章 所有 4 个版本

[HTML] sciencedirect.com

Full-Text @ UAL

[HTML] Study on artificial intelligence: The state of the art and future prospects

C.Zhang, Y.Lu - Journal of Industrial Information Integration, 2021 - Elsevier

... artificial intelligence are selected and explored. This study aims to provide a review of artificial intelligence ... It presents an overview of the scope of artificial intelligence using background...

[HTML] sciencedirect.com

Full-Text @ UAL

Google 学术搜索

Machine Learning and Artistic Creation

找到约 17,300 条结果 (用时0.04秒)

文章

时间不限
2023以来
2022以来
2019以来
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2019 — 2023

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按相关性排序
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不限语言
中文网页
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类型不限
评论性文章

☐ 包括专利
☒ 包含引用

创建快讯

Machine learning research that matters for music creation: A case study
Bl. Sturm, Q Ben-Tal, U Monaghan... - Journal of New Music ..., 2019 - Taylor & Francis
... for machine learning applied to music creation. Together with practitioners, we develop and use several applications of machine learning for music creation, ... New art often reflects new ...
☆ 保存 引用 被引用次数: 87 相关文章 所有 19 个版本

[PDF] tandfonline.com
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[HTML] Machine learning for cultural heritage: A survey
M Fiorucci, M Khoroshitseva, M Pontil... - Pattern Recognition ..., 2020 - Elsevier
... the material which has been used by the artist in their creations, and classifying artworks into different artistic categories was conducted by Sabatelli et al. [36]. They followed two transfer ...
☆ 保存 引用 被引用次数: 127 相关文章 所有 6 个版本

[HTML] sciencedirect.com
Full-Text @ UAL

[HTML] Automated machine learning: Review of the state-of-the-art and opportunities for healthcare
J Waring, C Lindvall, R Umelon - Artificial intelligence in medicine, 2020 - Elsevier
... takes into account any limitations of the learning algorithm that is being used. It ... machine learning algorithm is heavily dependent upon the quality of the input features [26]. The creation ...
☆ 保存 引用 被引用次数: 336 相关文章 所有 4 个版本

[HTML] sciencedirect.com
Full-Text @ UAL

Art, creativity, and the potential of artificial intelligence
M Mazzone, A Elgammal - Arts, 2019 - mdpi.com
... in machine learning to model the process of image creation ... inherent to the conditions of creation in that area of art. Thus, the ... of the medium of AI in art creation, but this medium might ...
☆ 保存 引用 被引用次数: 118 相关文章 所有 7 个版本 00

[PDF] mdpi.com
Full View

Machine learning applications for building structural design and performance assessment: State-of-the-art review
H Sun, H V Burton, H Huang - Journal of Building Engineering, 2021 - Elsevier
... of machine learning to the area of building structural design and performance assessment. To this end, an overview of machine learning ... problems suitable for machine learning and the ...
☆ 保存 引用 被引用次数: 186 相关文章 00

[PDF] sciencedirect.com

Machine learning education for artists, musicians, and other creative practitioners
R Fliehring - ACM Transactions on Computing Education (TOCE), 2019 - dl.acm.org
... creator herself), interactive machine learning (IML) approaches [20] can become very useful. Using IML, a creator ... Many machine learning tools aimed at creative practitioners support ...
☆ 保存 引用 被引用次数: 10 相关文章 00

[PDF] acm.org
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Google 学术搜索

Human-machine collaboration and Artistic Creativity

找到约 17,300 条结果 (用时0.20秒)

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类型不限
评论性文章

☐ 包括专利
☒ 包含引用

创建快讯

IdeaBot: investigating social facilitation in human-machine team creativity
AHC Huang, AS Won - Proceedings of the 2021 CHI Conference on ..., 2021 - dl.acm.org
... collaborate with a computer-mediated chatbot in creative ... the outcomes of participants' creative production. In Study 1, ... group communication reported greater creative self-efficacy in ...
☆ 保存 引用 被引用次数: 24 相关文章 所有 2 个版本 00

[PDF] acm.org
Full View

[HTML] Embodiment in 18th century depictions of human-machine co-creativity
A Kantosalo, M Falk, A Jordanous - Frontiers in Robotics and AI, 2021 - frontiersin.org
... co-creative systems from Eighteenth-Century literature in different areas of artistic creativity. ... to emphasize the embodied aspects of human-machine interaction. Like the example of ...
☆ 保存 引用 被引用次数: 3 相关文章 所有 12 个版本 00

[HTML] frontiersin.org
Full-Text @ UAL

Haptic-feedback smart glove as a creative human-machine interface (HMI) for virtual/augmented reality applications
M Zhu, Z Sun, Z Zhang, Q Shi, T He, H Liu, T Chen... - Science ..., 2020 - science.org
... This will not only directly benefit the human-machine interaction but also allow the smart glove to establish a database for supporting the research of anthropomorphic robot (31). ...
☆ 保存 引用 被引用次数: 304 相关文章 所有 6 个版本 00

[HTML] science.org
Full View

Machinic surrogates: Human-machine relationships in computational creativity
A Bidgoli, E Kang, DC Llach - arXiv preprint arXiv:1908.01133, 2019 - arxiv.org
... His research is focused on machine learning generative models and human-machine co-creation in creative practices. He is the robotics fellow at the Computational Design lab (Code ...
☆ 保存 引用 被引用次数: 6 相关文章 所有 5 个版本 00

[PDF] arxiv.org

Human-machine Co-creation on Artistic Paintings
F Zhuo - 2021 IEEE 1st International Conference on Digital ..., 2021 - IEEEExplore.IEEE.org
... human-machine relationship in the creative process, we propose a human-machine co-creation ... They correspond to the stimulation of creativity with the help of machines at the tool level...
☆ 保存 引用 被引用次数: 2 相关文章

Full-Text @ UAL

Dialog on a canvas with a machine
Y Cabannes, T Kerdreux, L Thiry, T Campana... - arXiv preprint arXiv ..., 2019 - arxiv.org
... human-machine interaction. It is a pictorial game consisting of interactive rounds of creation between artists ... the canvas, which the artists are free to insert or modify. Alongside fostering ...
☆ 保存 引用 被引用次数: 9 相关文章 所有 4 个版本 00

[PDF] arxiv.org

After this step, I found the article I was looking for and I began a quick skim from the title to the content summary, from which I found several pieces that were useful to me.

Result

Mazzone, M. and Elgammal, A. (2019). Art, Creativity, and the Potential of Artificial Intelligence. *arts*, 8(1), p. 26.

The article focuses on the impact of artificial intelligence (AI) on artistic creativity and the potential applications of AI in the arts. The article is divided into two main sections: the first discusses how AI technologies are influencing the creative process of artists, including creative approaches to generating images, music and text using AI, and how AI can help artists in their self-expression and exploration. The second part discusses the use of AI in art education and museum exhibitions, particularly in the areas of digitisation and virtual reality.

Hong, J.-W. and Curran, N.M. (2019). Artificial Intelligence, Artists, and Art. *ACM Transactions on Multimedia Computing, Communications, and Applications*, 15(2s), pp.1- 16.

This paper focuses on how artists can use artificial intelligence technologies to create art. The paper begins by reviewing the relationship between art and artificial intelligence and presents some examples of the use of AI technology for artistic creation. The thesis then examines some of the challenges of using AI technology to create art, including technical challenges, issues of originality of the work, and audience acceptance of these works. Finally, the paper suggests some future directions for research to better explore the relationship between AI and art.

Kroos, C. (2016). The Art in the Machine. *Robots and Art*, pp. 19-25.

Cypher's article discusses the role of non-human entities in the process of practice-based visual arts research. The author argues that non-human subjects such as tools, materials and technologies play an active role in the creative process and collaboration, rather than just being passive objects.