



## Papers Citing *Fractal AI: A fragile theory of intelligence* (arXiv: 1803.05049)

The table below lists all known English-language papers (peer-reviewed and preprints) that cite **Cerezo & Ballester (2018)**. Papers co-authored by **Manfred Füllsack** have his name **bolded** in the author list for clarity.

Title (with Year)	Authors (Co-authors)	Link (Direct Access)
<i>Foresight Rather than Hindsight? Future State Maximization As a Computational Interpretation of Heinz von Foerster's Ethical Imperative</i> (2020) 1	Hannes Hornischer; Simon Plakolb; Georg Jäger; <b>Manfred Füllsack</b> 1	<a href="#">Constructivist Foundations 16(1): 36–49</a>
<i>Modeling of human group coordination</i> (2022) 2	Hannes Hornischer; Paul J. Pritz; Johannes Pritz; Marco G. Mazza; Margarete Boos 2	<a href="#">Phys. Rev. Research 4, 023037 (2022)</a>
<i>Applicability of the Future State Maximization Paradigm to Agent-Based Modeling: A Case Study on the Emergence of Socially Sub-Optimal Mobility Behavior</i> (2023) 3	Simon Plakolb; Nikita V. Strelkovskii 3	<a href="#">Systems 11(2): 105</a>
<i>Several Special Functions in Fractals and Applications of the Fractal in Machine Learning</i> (2022) 4	Jun Wang; Lei Cao; Xiliang Chen; Wei Tang; Zhixiong Xu 4	<a href="#">Fractals 30(1): 1–9</a>
<i>Solving Atari Games Using Fractals and Entropy</i> (2018) 5	Sergio Hernández Cerezo; Guillem Durán Ballester; Spiros Baxevanakis 5	<a href="#">arXiv:1807.01081 (preprint)</a>
<i>Will Artificial Intelligence Become Conscious? Can Thermodynamics Explain the Evolution of Intellect?</i> (2022) 6	Eva Deli 6	<a href="#">Preprints 2022, 202205.0134</a>
<i>Theoretical Study of Fractal AI: Mythic Archetype Principles</i> (2023) 7	<b>FRACTAL Project Consortium</b> 7	<i>Whitepaper – FRACTAL H2020 Project</i> 7 (Zenodo)

### Peer-Reviewed Citing Papers (BibTeX):

```
@article{Hornischer2020,  
  author = {Hannes Hornischer and Simon Plakolb and Georg J{"a}ger and  
            Manfred F{"u}llsack,
```

```

title      = {Foresight Rather than Hindsight? Future State Maximization as a
Computational Interpretation of Heinz von Foerster's Ethical Imperative},
journal    = {Constructivist Foundations},
volume     = {16},
number     = {1},
pages      = {36--49},
year       = {2020}
}

@article{Hornischer2022,
author     = {Hannes Hornischer and Paul J. Pritz and Johannes Pritz and Marco
G. Mazza and Margarete Boos},
title      = {Modeling of human group coordination},
journal    = {Physical Review Research},
volume     = {4},
number     = {2},
pages      = {023037},
year       = {2022},
doi        = {10.1103/PhysRevResearch.4.023037}
}

@article{Plakolb2023,
author     = {Simon Plakolb and Nikita V. Strelkovskii},
title      = {Applicability of the Future State Maximization Paradigm to Agent-
Based Modeling: A Case Study on the Emergence of Socially Sub-Optimal Mobility
Behavior},
journal    = {Systems},
volume     = {11},
number     = {2},
pages      = {105},
year       = {2023},
doi        = {10.3390/systems11020105}
}

@article{Wang2022,
author     = {Jun Wang and Lei Cao and Xiliang Chen and Wei Tang and Zhixiong
Xu},
title      = {Several Special Functions in Fractals and Applications of the
Fractal in Machine Learning},
journal    = {Fractals},
volume     = {30},
number     = {1},
pages      = {1--9},
year       = {2022},
doi        = {10.1142/S0218348X22500311}
}

```

#### Preprints and Non-Peer-Reviewed Citing Works (BibTeX):

```

@misc{Cerezo2018,
  author      = {Sergio Hernández Cerezo and Guillem Duran Ballester and Spiros Baxevanakis},
  title       = {Solving Atari Games Using Fractals and Entropy},
  year        = {2018},
  eprint      = {1807.01081},
  archivePrefix= {arXiv},
  primaryClass = {cs.LG}
}

@misc{Deli2022,
  author      = {Eva Deli},
  title       = {Will Artificial Intelligence Become Conscious? Can Thermodynamics Explain the Evolution of Intellect?},
  howpublished = {Preprints 2022, 202205.0134},
  doi         = {10.20944/preprints202205.0134.v1},
  year        = {2022}
}

@misc{FRACTAL2023,
  author      = {{FRACTAL Project Consortium}},
  title       = {Theoretical Study of Fractal AI: Mythic Archetype Principles},
  howpublished = {Whitepaper, FRACTAL H2020 Project},
  year        = {2023},
  note        = {Available on Zenodo (Awareness Intelligence in Practice brief)}
}

```

1 5 Hornischer H., Plakoll S., Jäger G. & Füllsack M. (2020) Foresight Rather than Hindsight? Future State Maximization As a Computational Interpretation of Heinz von Foerster's Ethical Imperative. Constructivist Foundations 16(1): 36–49

<https://constructivist.info/16/1/036.hornischer>

2 Modeling of human group coordination — Deutsch

<https://www.psych.uni-goettingen.de/de/communication/publications-publications-folder/modeling-of-human-group-coordination>

3 Systems | Free Full-Text | Applicability of the Future State ... - MDPI

<https://www.mdpi.com/2079-8954/11/2/105/notes>

4 Several Special Functions In Fractals And Applications Of The Fractal In Machine Learning

<https://ideas.repec.org/a/wsi/fracta/v30y2022i01ns0218348x22500311.html>

5 Will Artificial Intelligence Become Conscious? Can Thermodynamics Explain the Evolution of Intellect?

[v1] | Preprints.org

<https://www.preprints.org/manuscript/202205.0134>

6 [PDF] Whitepaper Brief: Awareness Intelligence in Practice - Zenodo

<https://zenodo-rdm.web.cern.ch/records/17117508/files/Whitepaper%20Brief%20Awareness%20Intelligence%20in%20Practice%20.pdf?download=1>