

Computational Geometry Papers Analysis

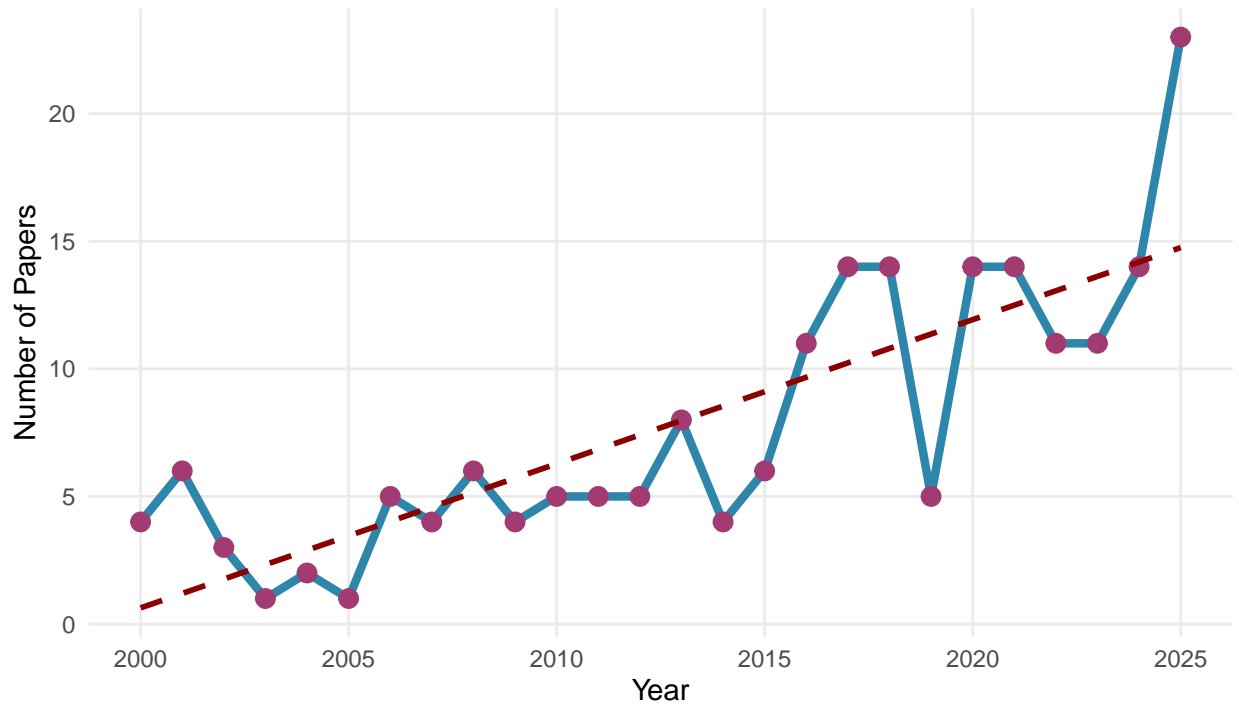
Benjamin, Estoce,Jimenez, Hallares

December 1, 2025

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## === ARXIV COMPUTATIONAL GEOMETRY ANALYSIS ===
##
## Extracting data from arXiv...
## Found 200 papers
##
## === ANALYSIS SUMMARY ===
## Total papers: 200
## Year range: 2000 - 2025
##
## Papers per year:
## # A tibble: 26 x 2
##   year count
##   <dbl> <int>
## 1  2000     4
## 2  2001     6
## 3  2002     3
## 4  2003     1
## 5  2004     2
## 6  2005     1
## 7  2006     5
## 8  2007     4
## 9  2008     6
## 10 2009     4
## # i 16 more rows
##
## Creating time series plot...
```

Computational Geometry Papers on arXiv – Time Series

Total Papers Analyzed: 200



Data source: arXiv.org | Search: Computational Geometry in Title

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##
## === OUTPUT FILES SAVED ===
## 1. computational_geometry_timeline.png - Time series plot
## 2. computational_geometry_papers.csv - All paper data
## 3. yearly_paper_counts.csv - Yearly summary
##
## === SAMPLE OF PAPERS (5 most recent) ===
##
## -----
## PAPER 1
## Title: The Geometry of Cortical Computation: Manifold Disentanglement and Predictive Dynamics in VCN
## Year: 2025
## Authors: Brennen A. Hill,
##
##         Zhang Xinyu,
##         ...
##
## -----
## PAPER 2
## Title: Quantum computation of molecular geometry via many-body nuclear spin echoes
## Year: 2025
## Authors: C. Zhang,
##
##         R. G. Cortiñas,
##         ...
##
##
```

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## -----
## PAPER 3
## Title: Computing entanglement costs of non-local operations on the basis of algebraic geometry
## Year: 2025
## Authors: Seiseki Akibue,
##
##         Jisho Miyazaki,
##         ...
## -----
## PAPER 4
## Title: Algorithms for Dynamic Computational Geometry with Applications
## Year: 2025
## Authors: Laurence Boxer ...
## -----
## PAPER 5
## Title: Large-scale Efficient Molecule Geometry Optimization with Hybrid Quantum-Classical Computing
## Year: 2025
## Authors: Yajie Hao,
##
##         Qiming Ding,
##         ...

```