

This automatically generated digest highlights trending topics and recent papers with enhanced analysis.

## Trending Topics Analysis

Topic	Recent	Baseline	Growth	Momentum	Novelty	Strength
3	26	0	26.00	26.00	1.00	702.00
7	18	0	18.00	18.00	1.00	342.00
4	15	0	15.00	15.00	1.00	240.00
5	10	0	10.00	10.00	1.00	110.00
9	10	0	10.00	10.00	1.00	110.00
1	7	0	7.00	7.00	1.00	56.00
6	6	0	6.00	6.00	1.00	42.00
8	6	0	6.00	6.00	1.00	42.00

### Trend Insights

- **Most Dynamic Topic**: Topic 3 shows the highest trend strength (702.00)
- **Growth Leader**: Topic 3 with 26.00 growth rate
- **Emerging Field**: Topic 3 appears to be a newly emerging research area

## Topic Deep Dive

### Topic 3

**Trend Metrics:**

- Recent Papers: 26
- Growth Rate: 26.00
- Momentum Score: 26.00
- Novelty: 1.00

**Synopsis:** Second, we train transformer models via supervised learning and evaluate them across four

**Key Terms:** models, tasks, intern, source, training, reasoning, data, learning

**Coherence Score:** 2.47

Published	Title	Authors	Category
2025-08-21	Discovering Hidden Algebraic Structures via Transformers with Rank-Aware Beam GRPO		
2025-08-21	Intern-S1: A Scientific Multimodal Foundation Model	Lei Bai, Zhongrui Cai, Maosong Cao,	
2025-08-21	LiveMCP-101: Stress Testing and Diagnosing MCP-enabled Agents on Challenging Queries		
2025-08-21	Language-Guided Tuning: Enhancing Numeric Optimization with Textual Feedback	Yuxing	
2025-08-21	Neural Robot Dynamics	Jie Xu, Eric Heiden, Iretiayo Akinola, Dieter Fox, Miles Macklin, Ya	

### Topic 7

**\*\*Trend Metrics:\*\***

- Recent Papers: 18
- Growth Rate: 18.00
- Momentum Score: 18.00
- Novelty: 1.00

**\*\*Synopsis:\*\*** Scaling Group Inference for Diverse and High-Quality Generation. In this work, we propose

**\*\*Key Terms:\*\*** generation, image, video, quality, models, visual, high, resolution

**\*\*Coherence Score:\*\*** 4.71

| Published | Title | Authors | Category |

|:--|:--|:--|:--|

| 2025-08-21 | Scaling Group Inference for Diverse and High-Quality Generation | Gaurav Parmar, Or Pata

| 2025-08-21 | CineScale: Free Lunch in High-Resolution Cinematic Visual Generation | Haonan Qiu, Ning

| 2025-08-21 | Visual Autoregressive Modeling for Instruction-Guided Image Editing | Qingyang Mao, Qi Ca

| 2025-08-21 | Waver: Wave Your Way to Lifelike Video Generation | Yifu Zhang, Hao Yang, Yuqi Zhang, \

| 2025-08-21 | A 16.28 ppm/ $\circ$ C Temperature Coefficient, 0.5V Low-Voltage CMOS Voltage Referen

### Topic 4

**\*\*Trend Metrics:\*\***

- Recent Papers: 15
- Growth Rate: 15.00
- Momentum Score: 15.00
- Novelty: 1.00

**\*\*Synopsis:\*\*** Quantum cohomology of variations of GIT quotients and flips. Skymion Lattice Order Control

**\*\*Key Terms:\*\*** spin, structures, transverse, model, charge, skyrmion, kirigami, metamaterials

**\*\*Coherence Score:\*\*** 1.89

| Published | Title | Authors | Category |

|:--|:--|:--|:--|

| 2025-08-21 | Quantum cohomology of variations of GIT quotients and flips | Zhaoxing Gu, Song Yu, Tony

| 2025-08-21 | Skymion Lattice Order Controlled by Confinement Geometry | Raphael Gruber, Jan Rothör

| 2025-08-21 | PyKirigami: An interactive Python simulator for kirigami metamaterials | Qinghai Jiang, Gary

| 2025-08-21 | The nine model category structures on the category of sets | Omar Antolín-Camarena, Tobia

| 2025-08-21 | Orientation dependent anomalous Hall and spin Hall currents at the junctions of altermagne

## Analysis Methodology

This report uses advanced trend detection algorithms including:

- **\*\*Multi-window Analysis\*\***: Recent (7 days) vs Baseline (7 days) vs Extended (14 days)
- **\*\*Growth Metrics\*\***: Rate of change, acceleration, and momentum scoring
- **\*\*Novelty Detection\*\***: Identification of emerging research areas

- **Topic Coherence**: Semantic analysis of topic consistency
- **Keyword Extraction**: Automated identification of key research terms