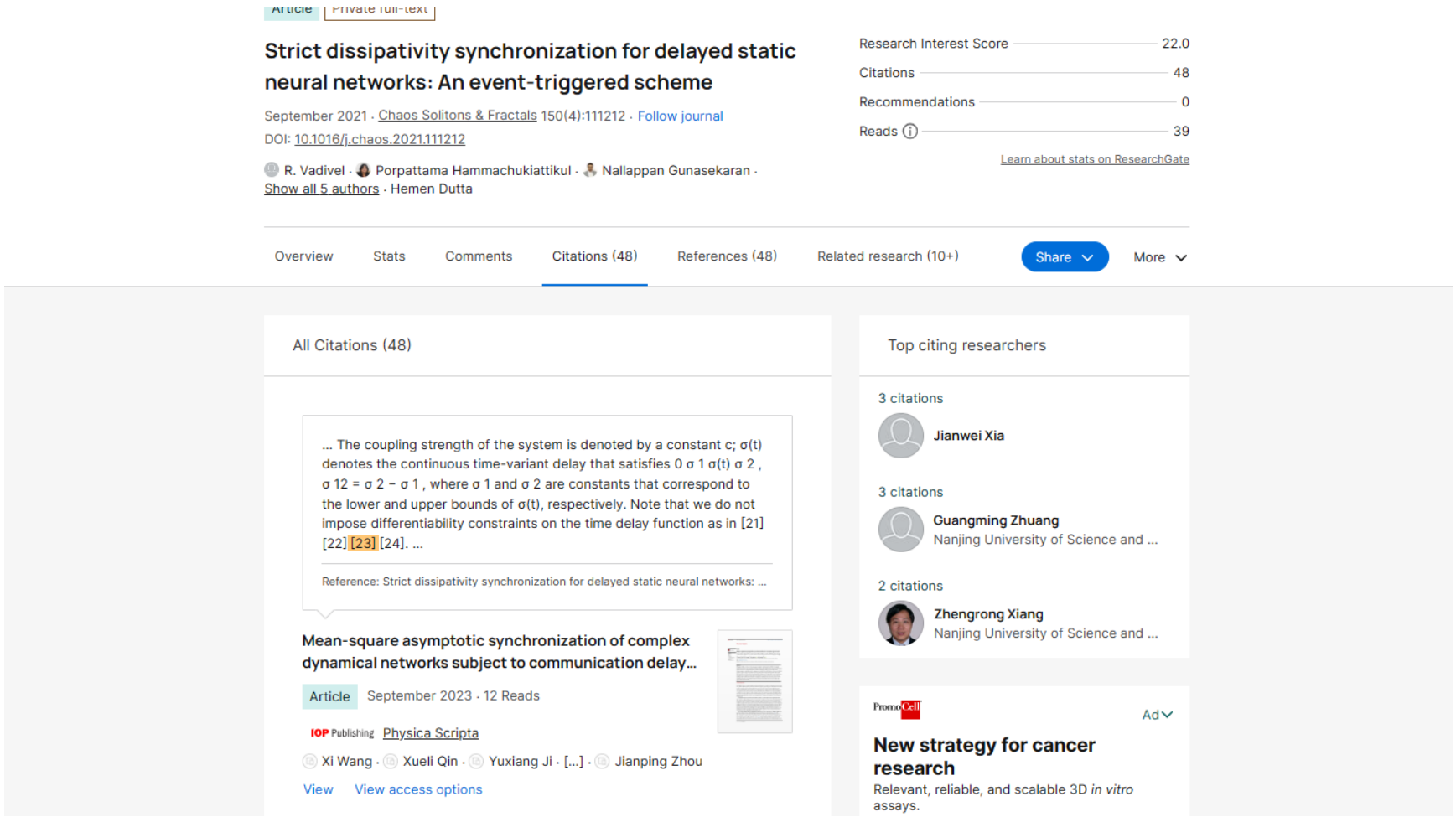
บทความ **Strict dissipativity synchronization for delayed static neural networks: An event-triggered scheme** ถูกอ้างอิงใน วารสารที่อยู่ในฐานข้อมูลที่ กพอ ยอมรับ 1 ครั้ง (September 2023)



Article · Private full-text

Strict dissipativity synchronization for delayed static neural networks: An event-triggered scheme

September 2021 · Chaos Solitons & Fractals 150(4):111212 · Follow journal

DOI: 10.1016/j.chaos.2021.111212

R. Vadivel · Porpattama Hammachukiattikul · Nallappan Gunasekaran · Show all 5 authors · Hemen Dutta

Research Interest Score 22.0
Citations 48
Recommendations 0
Reads 39

Learn about stats on ResearchGate

Overview | Stats | Comments | Citations (48) | References (48) | Related research (10+) | Share | More

All Citations (48)

... The coupling strength of the system is denoted by a constant c; σ(t) denotes the continuous time-variant delay that satisfies 0 σ 1 σ(t) σ 2 , σ 12 = σ 2 − σ 1 , where σ 1 and σ 2 are constants that correspond to the lower and upper bounds of σ(t), respectively. Note that we do not impose differentiability constraints on the time delay function as in [21] [22] [23] [24]. ...

Reference: Strict dissipativity synchronization for delayed static neural networks: ...

Mean-square asymptotic synchronization of complex dynamical networks subject to communication delay...

Article September 2023 · 12 Reads

IOP Publishing Physica Scripta

Xi Wang · Xueli Qin · Yuxiang Ji · [...] · Jianping Zhou

View View access options

Top citing researchers

3 citations
Jianwei Xia

3 citations
Guangming Zhuang
Nanjing University of Science and ...

2 citations
Zhengrong Xiang
Nanjing University of Science and ...

PromoCell Ad

New strategy for cancer research

Relevant, reliable, and scalable 3D *in vitro* assays.

PAPER

Mean-square asymptotic synchronization of complex dynamical networks subject to communication delay and switching topology

Xi Wang[1], Xueli Qin[1], Yuxiang Ji[1], Taiping Jiang[1] and Jianping Zhou[1]

Published 11 September 2023 • © 2023 IOP Publishing Ltd

Physica Scripta, Volume 98, Number 10

Citation Xi Wang *et al* 2023 *Phys. Scr.* **98** 105214

DOI 10.1088/1402-4896/acf4c8

References Open science

+ Article and author information

Abstract

This paper addresses the issue of mean-square asymptotic synchronization (MSAS) of complex dynamical networks with communication delay and switching topology. The communication delay is assumed to be time-variant and bounded, and the switching topology is governed by a semi-Markovian process and allowed to be asymmetric. A distributed control law based on state feedback is presented. Two criteria for the MSAS are derived using a mode-dependent Lyapunov-Krasovskii