

## 研究者から見た



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Shin-ichi Todoroki, Ph.D.  
Senior Researcher, National Institute for Materials Science  
Tsukuba, Japan  
Research field: Materials Science - Class  
Working on optical fibers being exposed to high power laser beam.

13 Contacts | See all

Publications

Journal Article (28)

Shin-ichi Todoroki (2011) Threshold power reduction of fiber fuse propagation through a white light-buffered single-mode optical fiber, 1978-1982. In *EICE Electronics Express* 8 (23).  
<http://www.jstage.jst.go.jp/article/e...>

Shin-ichi Todoroki, T. Konishi (2010) BibTEX-based Manuscript Writing Support System for Researchers. In *Asian Journal of TEX* 4 (2).  
<http://ajqt.kyug.kit2010/0402todoroki...>

Shin-ichi Todoroki (2009) Beyond standard slideware: Audience-oriented slide preparation using LaTeX and scripting language, 109-118. In *The Asian Journal of TEX* 3 (2).  
<http://ajqt.kyug.kit2009/0302todoroki.pdf>

Shin-ichi Todoroki (2006) In situ observation of modulated light emission of fiber fuse synchronized with void train over hetero-core splice point, 63276. In *Proc one 3* (6).  
<http://dx.doi.org/10.1371/journal.p...>

Public Groups

Public groups Shin-ichi is a member of

- @Wikipedia: High speed photography with Photon...
- Milestones after Dr. Charles Kao's... Open Access Papers on Fiber Fuse
- Papers citing my article about Blog

Public groups Shin-ichi is following

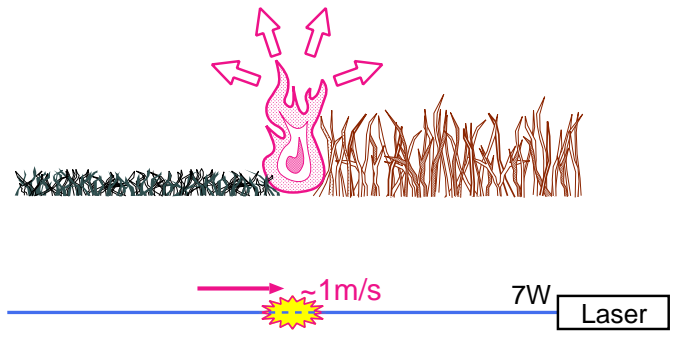
- Open Access Week
- Reference Management

Slide 1

## My research topic

## The mechanism

- Dissipative soliton e.g. grass fire



~1m/s


7W Laser

Slide 3

## My research topic

## Fiber fuse

- Light-induced breakdown of optical fibers



~1m/s

7W Laser

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## Question

- How many researchers in fiber optics use Mendeley?

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**MENDELEY** Welcome back Shin-ichi Todoroki My Account Upgrade

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**Fiber Fuse Propagation Behavior**  
by Shin-ichi Todoroki  
Physics > Miscellaneous Papers

Overview  
Selected Topics on Optical Fiber Technology (2012)  
Publisher: InTech, Pages: 551-570  
ISBN: 9789535100911  
Available from www.intechopen.com  
or Find this paper at:

**Readership Statistics**  
Readers on Mendeley

Open Access Book

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**Analysis** Citation induced its downloads.

**OFC NFOEC 2012**  
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● chapter

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**Answer** Downloads incl. my chapter

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$\frac{3}{245} = 1.2\%$

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**Analysis** Readerships of successive 2 papers

**OFC NFOEC 2012**  
THE FUTURE OF OPTICAL COMMUNICATIONS IS HERE

← Citation

**Readership Statistics**  
6 Readers on Mendeley

by Discipline  
33% Electrical and Electronic Engineering  
33% Physics  
17% Computer and Information Science

by Academic Status  
50% Ph.D. Student  
17% Doctoral Student  
17% Researcher (at an Academic Institution)

by Country  
17% Sweden  
17% Japan  
17% Germany

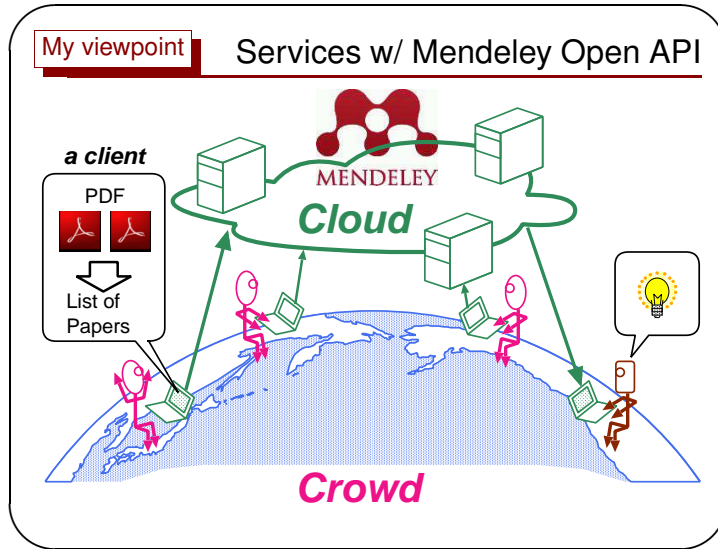
**Readership Statistics**  
3 Readers on Mendeley

by Discipline  
67% Physics  
33% Materials Science

by Academic Status  
33% Other Professional  
33% Ph.D. Student  
33% Researcher (at an Academic Institution)

by Country  
33% Japan  
33% Canada  
33% United States

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**ReaderMeter.org** Type your name, and see

SHIN-ICHI TODOROKI

H<sub>i</sub>-Index: 4

G<sub>i</sub>-Index: 6

Most read publication: 16

Total number of publications: 12

Total bookmarks: 46

Top 10 publications by readership (7)

Todoroki et al. (2009)	16
Todoroki (2012)	6
Mizu et al. (1997)	4
Todoroki (2009)	4
Todoroki (2005)	3
Todoroki (2012)	3
Todoroki and Kashi (2010)	2
Todoroki (2011)	2
Todoroki (2005)	2
Urata et al. (2008)	2

Shin-ichi Todoroki's coauthors  
 Yohei Aoyama, Shigeru Fudono, Junko Imasu, Satoru Inoue, Tomoya Kashi, T. Kashi, Kazuyuki Kurita, Takayuki Mito, Kenji Morihaga, Shigeru Saeguchi, Yoshio Saka, Hirohiko Takebe, Chikara Urata, Yusuke Yamachi

Imperfect merging of author ID 名寄せに難あり

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**Overview**

研究者から見た Mendeley

**ReaderMeter.org**  
簡易名寄せサービス

**ScienceCard.org**  
Twitter 連動論文リスト

**ImpactStory.org**  
あらゆる反響のサルベージ

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**Mendeley.com** 読者層統計

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Blog-based research notebook: Personal informatics workbe throughput experimentation

by Shin-ichi Todoroki, Tomoya Kashi, Satoru Inoue  
Computer and Information Science - Miscellaneous Papers

Overview Applied Surface Science (2009) Volume 252, Issue 7, P. 2640-2645  
 RSC DOI: 10.1039/b9sm00029a  
 Available from linkinghub.elsevier.com or Find this paper at

Abstract In this age of information technology, many researchers are still conservative in keeping a log of their activities in paper-based notebook. This style of log-keeping brings about the situation that our experimental data and their descriptions are recorded separately into hard disks and papers, respectively. Such a data separation is likely to be a serious rate-limiting factor in high-throughput experimentation from the view point of getting feedback on each researchers work from what he has done. We propose to utilize a blog (Weblog) as an electronic research notebook and discuss technical requirements for maintaining it, on the basis of the blogging experience for 4 years by one of the

Author: Shin-ichi Todoroki

Related: Monte Carl, Thoroughness, Uppeng Chen, Chemical (2002), Sawe PT

Reader: 16

**Readership Statistics**

16 Readers on Mendeley

by Discipline (研究分野)

- 25% Computer & Information Science
- 19% Education
- 13% Biological Sciences

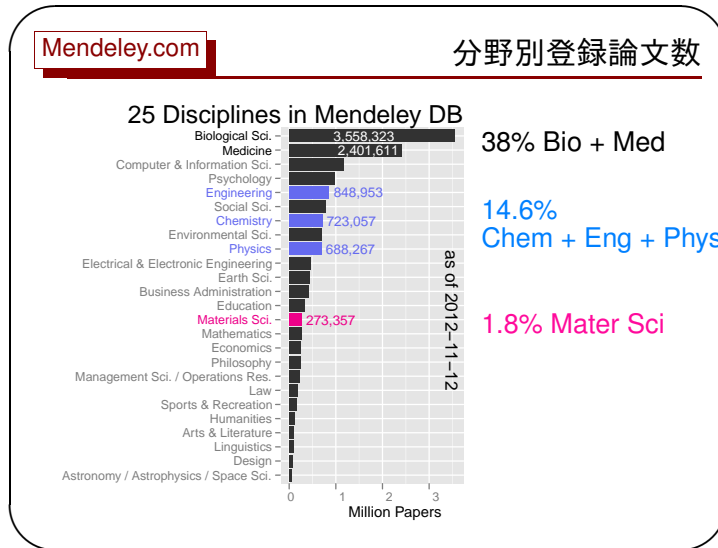
by Academic Status (職位)

- 25% Ph.D. Student
- 13% Lecturer
- 13% Student (Postgraduate)

by Country (国)

- 25% United Kingdom
- 25% Japan
- 13% Germany

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### FYI Get your persistent digital ID!

ORCID Connecting Research and Researchers

Shin-ichi Todoroki

Published name: 轟 真一

Country: JP

Keywords: Optical fiber, Laser-induced Damage

Websites: Profile @ National Institute for Materials Science

Other IDs: Scopus Author ID 35465801000

Import Research Activities

Add information about you to help distinguish you from other researchers.

Affiliations: CORNING SOON

Works: CORNING SOON

Grants: CORNING SOON

Patents: CORNING SOON

Personal Information: You haven't added any affiliations

Works: You haven't added any grants

Grants: You haven't added any grants

Patents: You haven't added any patents

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### ScienceCard.org Log in via Twitter, register your papers,

Shin-ichi TODOROKI

Twitter @tokyo1406

ORCID 0000-0003-3986-1900

Metrics: 1 19 2

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Blog-based research notebook: Personal informatics workbench for high-throughput experimentation  
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ImpactStory. create about follow register login BETA

Todoroki Shin-ichi 65 items (expand all) update json csv Tweet

article

Blog-based research notebook: Personal informatics workbench for high-throughput experimentation  
(2009) Todoroki, Kanishi, Inoue Applied Surface Science

saved by scholars

1 bookmarks 16 readers 7 citations

viewed by public 1140 html views

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Summary

研究者から見た Mendeley

- Its concept is **great!** but ...
- Its user **population** in my field **is still small**.
- That makes Mendeley's **potential inactivated**.

I'm looking forward to see **further growth** of Mendeley.

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