



IPAPの物理系ジャーナル

～伝統を土台に、さらに未来へ飛躍します～

物理系学術誌刊行協会
Institute of Pure and Applied Physics

武田敏子

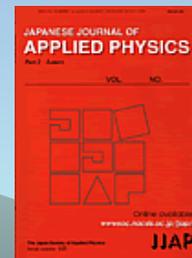
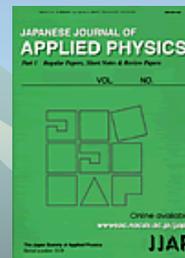
第9回図書館総合展
SPARC Japan パートナー誌
2007年11月9日

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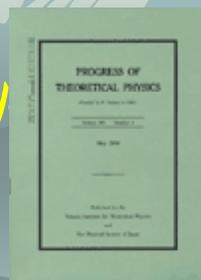


Journal of the Physical
Society of Japan (JPSJ)
1946年創刊, 年約4,000
ページ



Japanese Journal of Applied
Physics (JJAP) Part 1 and 2,
1962年創刊, 年約10,000ページ

すべて冊子+オンライン



Progress of Theoretical
Physics (PTP)
1946年創刊, 年約2,500 ページ

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IPAPの物理系ジャーナル

～どうして読まれているか～

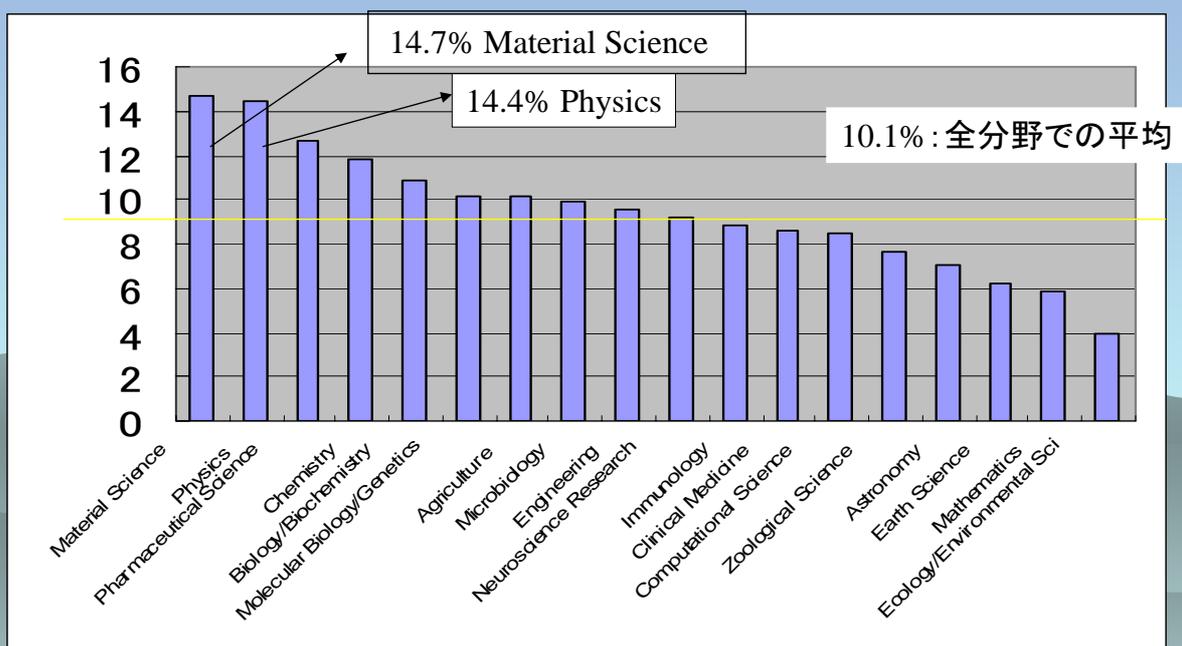


- ・ 物理学研究の伝統 1877年～
- ・ 日本の物理学 – 高い論文生産性
- ・ 日本物理学会と応用物理学会の会員40,000人
- ・ アメリカ物理学会“**AIP/APS ヴァーチャルジャーナル**”への収録(JPSJとJJAP)
- ・ 論文ダウンロード数の伸び
- ・ JPSJ, PTP, JJAP からのハイライト論文

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日本における物理学研究 世界に占める高い論文生産性

～分野別論文占有率～



・文部科学省平成18年度「科学技術白書」より

・Thomson Scientific “National Science Indicators, 1981 – 2004”をもとに文部科学省で集計

・占有率の数値は、2000年から2004年までの集計値から算出

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AIP/APSヴァーチャル ジャーナル



High-Temperature Superconductivity - Microsoft Internet Explorer

Virtual Journal of Applications of Superconductivity

FlexPDE - from PDE Solutions Inc

Japanese Journal of Applied Physics, Part 1: Regular Papers, Short Notes & Review Papers -- December 15, 2006 -- Volume 45, Issue 12, pp. 9011-9024

High-Temperature Superconductivity

Shoji Tanaka
Superconductivity Research Laboratory/ISTEC, 1-10-13 Shinonome, Koto-ku, Tokyo 135-0062, Japan

A general review on high-temperature superconductivity was made. After prehistoric view and the process of discovery were stated, the special features of high-temperature superconductors were explained from the materials side and the physical properties side. The present status on applications of high-temperature

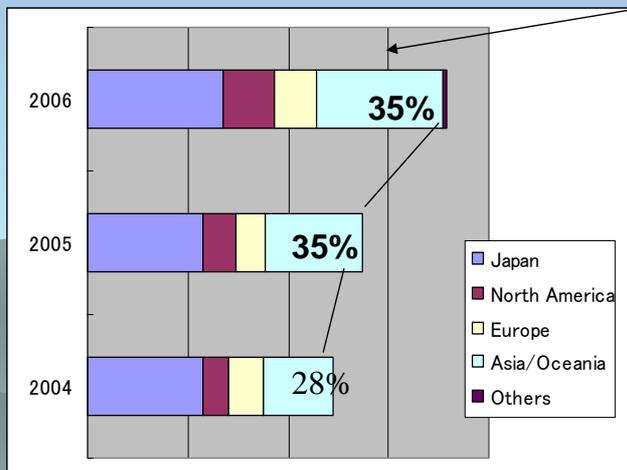
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JJAP論文タイトル: High Temperature
Superconductivity
著者: 田中昭二

論文ダウンロード数の伸び

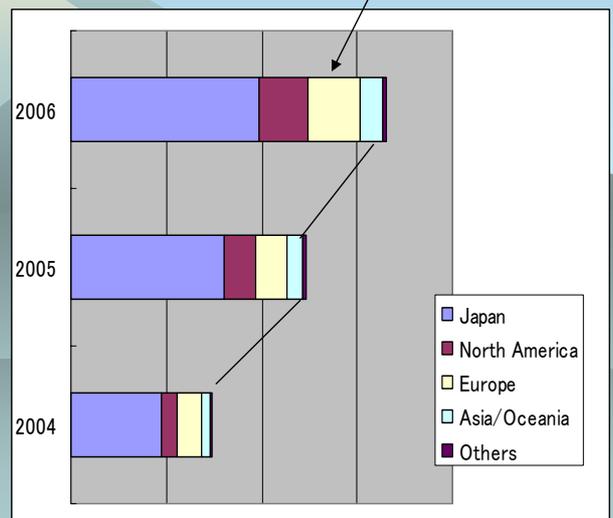


JJAP



海外からの利用も着実に増

JPSJ



ハイライト論文への 無料アクセス

引用頻度が高い論文



JJAP HIGHLIGHTS JAPANESE JOURNAL OF APPLIED PHYSICS

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The following ten articles are among the most heavily-cited and have been influential papers published in JJAP since the first volume (1962) and have been selected from the various fields of applied physics by the JJAP Editorial Board.

All articles listed on this page can be viewed free of charge. However, if you or your institution does not currently subscribe to JJAP, in order to view these papers, you must create a trial user account. [\[Create an account\]](#)

First report of the realization of p-type nitride

[P-Type Conduction in Mg-Doped GaN Treated with Low-Energy Electron Beam Irradiation \(LEEBI\)](#)

by H. Amano, M. Kito, K. Hiramatsu, I. Akasaki
Jpn. J. Appl. Phys. Vol. 28 (1989) L2112

First report of a nitride p-n junction laser

[InGaN-Based Multi-Quantum-Well-Structure Laser Diodes](#)

by S. Nakamura, M. Senoh, S. Nagahama, N. Iwasa, T. Yamada, T. Matsushita, H. Kiyoku, Y. Sugimoto
Jpn. J. Appl. Phys. Vol. 35 (1996) L74

Fundamental method of obtaining extremely low-defect-density GaN substrates

[Thick GaN Epitaxial Growth with Low Dislocation Density by Hydride Vapor Phase Epitaxy](#)

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Journal of the Physical Society of Japan(JPSJ)

物理学の研究成果を広めてきた長い歴史を誇るJPSJ

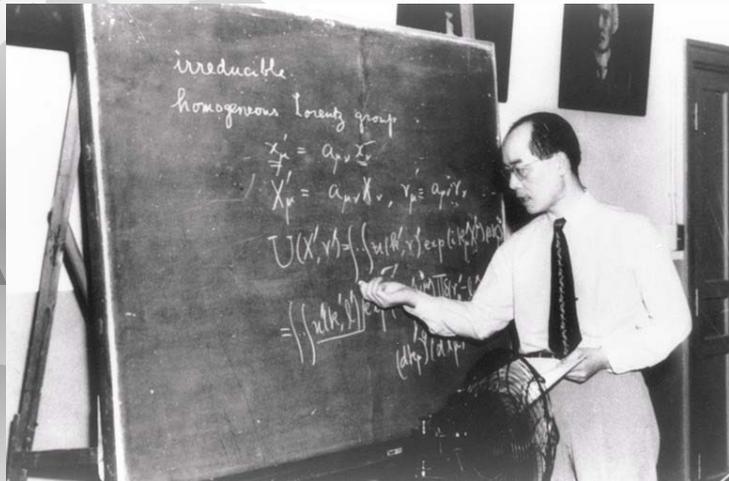
対象分野：素粒子物理学、原子・分子物理学、固体物理学、統計物理学、複雑系の物理、化学物理学、生物物理学、地球物理学、天体物理学、宇宙論



Journal of the Physical Society of Japan(JPSJ)

ノーベル物理学賞受賞の湯川博士の中間子理論に関する論文(1935)がJPSJの前身、“Proceedings of the Physico-Mathematical Society of Japan”で発行

"On the Interaction of Elementary Particles. I." (*Proc. Phys.-Math. Soc. Japan*, 17, p. 48)



京都大学基礎物理学研究所湯川記念館資料室蔵



Journal of the Physical Society of Japan (JPSJ)

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JPSJ
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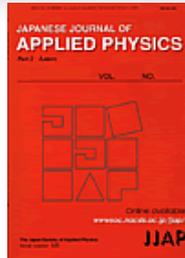
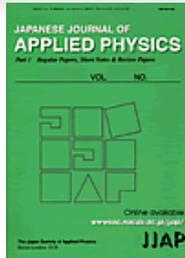
News and Comments:

- **Forthcoming:** A Route to Metallization of the Monumental Peierls Insulator TTF-TCNQ
- **NEW** New Universal Relations in Heavy Fermion Systems [Feb. 13, 2007]

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Announcement

- **Announcement for Free Trial Users** —Your free subscription to the JPSJ Online Journals has



Japanese Journal of Applied Physics (JJAP)

現代の情報化社会の形成に大きく貢献

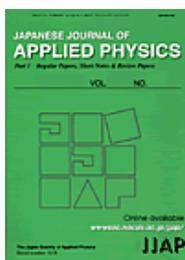
対象分野: ・半導体、超伝導体、磁性体、誘電体、有機物質 ・フォトンクス、量子エレクトロニクス、プラズモニクス、スピントロニクス ・デバイス物理
・ナノスケールの科学と技術 ・薄膜、表面、界面の物理と結晶成長 ・プラズマ、放射線応用 ・計測技術/作製プロセス ・バイオや環境/エネルギーなど境界領域

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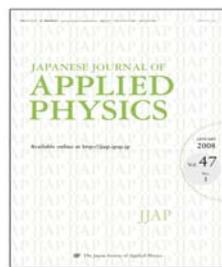
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NEWS! 2008年1月よりJJAP誌名変更

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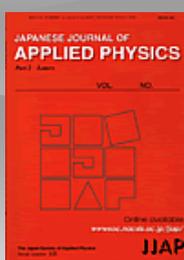


Japanese Journal of Applied Physics (JJAP)

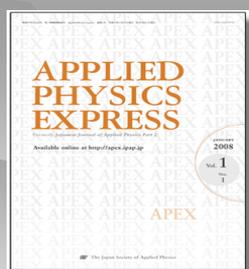


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- 応用物理学分野の厳選されたトピックスを議論する場

JJAP Part 2

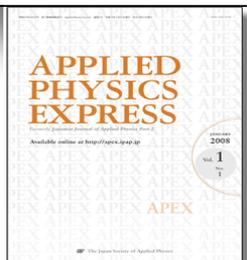
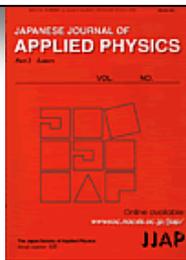


Applied Physics Express (APEX)



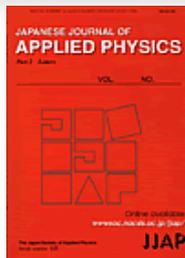
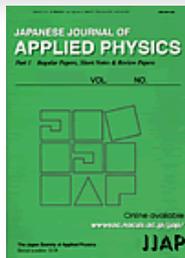
- インパクトのあるレター論文誌
- より高品質な内容をより迅速な発行プロセスで

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JJAP Part2 レター論文セクションからのハイライト

- 1. 世界初の高品質p型GaNの結晶成長:** H. Amano et al. "P-Type Conduction in Mg-Doped GaN Treated with Low-Energy Electron-Beam Irradiation (LEEBI)," Jpn. J. Appl. Phys. **28** (1989) L2112.
- 2. 世界初の窒化物系青色レーザダイオードの実現:** S. Nakamura et al. "InGaN-Based Multi-Quantum-Well-Structure Laser Diode," Jpn. J. Appl. Phys. **35** (1996) L74.
- 3. 高輝度青色LED:** S. Nakamura et al. "High-Brightness InGaN Blue, Green and Yellow Light-Emitting-Diodes with Quantum-Well Structures," Jpn. J. Appl. Phys. **34** (1995) L797.
- 4. 高電子移動度トランジスタ(HEMT)の発明:** T. Mimura et al. "A New Field-Effect Transistor with Selectively Doped GaAs/n-AlxGa1-xAs Heterojunctions," Jpn. J. Appl. Phys. **19** (1980) L225.
- 5. 量子細線中の高移動度の提案:** H. Sakaki. "Scattering Suppression and High-Mobility Effect of Size-Quantized Electrons in Ultrafine Semiconductor Wire Structures," Jpn. J. Appl. Phys. **19** (1980) L735.
- 6. 100 K以上の臨界温度を持つ実用的なBi系高温超伝導体の発見:** H. Maeda et al. "A New High-Tc Superconductor without a Rare-Earth Element," Jpn. J. Appl. Phys. **27** (1988) L209.
- 7. ダイヤモンドのCVD合成に関する先駆的論文:** S. Matsumoto et al. "Vapor Deposition of Diamond Particles from Methane," Jpn. J. Appl. Phys. **21** (1982) L183.



Japanese Journal of Applied Physics (JJAP)

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- Part 2 (Letters, Express Letters); **Weekly update!**
Vol. 46, No. 12 Online First (Mar 16, 2007) Retrieve
- Part 1 Special Issues
Vol. 46, No. 3B Active-Matrix Flatpanel Displays & Devices Retrieve

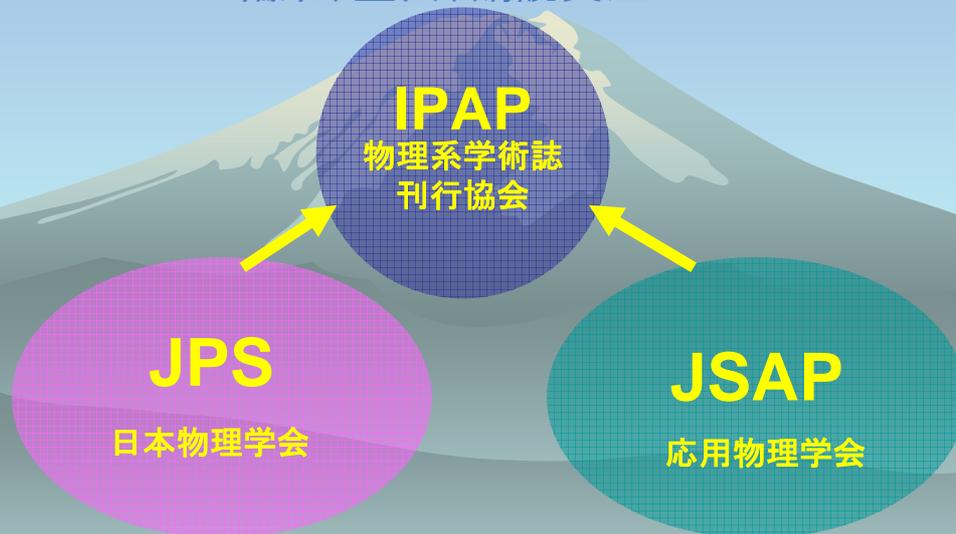
Announcement

- New** Reduction in the Publication Charge for JJAP Part 2 See details [February 2007]
- New** Please apply 2007 JJAP Awards See details [January 2007]
- World Year of Physics— *Pioneering Contributions to Applied Physics in the Last Half Century* [December 2006]
- Announcement for Free Trial Users — Free registration to the JJAP Online expired on 30

IPAPの活動



物理系英文ジャーナルの
編集、宣伝、購読受注



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今日のまとめ



・IPAP物理系ジャーナル – JPSJ, PTP, JJAP

・どうして読まれているか

・JJAP Part2 からAPEXへの名称変更

・IPAPの活動

お問い合わせ先:
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