



文献收录检索证明

作者姓名：蔡微 (Cai, Wei)

经检索“网络版科学引文索引 (SCI-EXPANDED)”数据库，该作者发表的论文 (2011 年-2018 年)，被收录 17 篇。

检索结果见附件，共 11 页。

检索时间为 2018 年 5 月 18 日。

特此证明！

证明人 (签字):



证明单位 (盖章): 北京航空航天大学图书馆

二〇一八年五月十八日



附件:

第 1 条, 共 17 条

标题: Multi-characterization of LiCoO₂ cathode films using advanced AFM-based techniques with high resolution

作者: Wu, JX (Wu, Jiaxiong); Yang, S (Yang, Shan); Cai, W (Cai, Wei); Bi, ZF (Bi, Zhuanfang); Shang, GY (Shang, Guangyi); Yao, JN (Yao, Junen)

来源出版物: SCIENTIFIC REPORTS 卷: 7 文献号: 11164 DOI: 10.1038/s41598-017-11623-0 出版年: SEP 18 2017

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

入藏号: WOS:000410913900001

语种: English

文献类型: Article

地址: [Wu, Jiaxiong; Cai, Wei; Bi, Zhuanfang; Shang, Guangyi; Yao, Junen] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Wu, Jiaxiong; Cai, Wei; Bi, Zhuanfang; Shang, Guangyi; Yao, Junen] Beihang Univ, Minist Educ, Key Lab Micronano Measurement Manipulat & Phys, Beijing 100191, Peoples R China.

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IDS 号: FH1QG

ISSN: 2045-2322

来源出版物页码计数: 9

第 2 条, 共 17 条

标题: A simple model of the scanning near-field optical microscopy probe tip for electric field enhancement

作者: Wang, YJ (Wang, Yingjie); Cai, W (Cai, Wei); Yang, M (Yang, Mu); Liu, ZL (Liu, Zhengliang); Shang, GY (Shang, Guangyi)

来源出版物: OPTICA APPLICATA 卷: 47 期: 1 页: 119-130 DOI: 10.5277/oa170111 出版年: 2017

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

入藏号: WOS:000404196600012

语种: English



文献类型: Article

地址: [Wang, Yingjie; Cai, Wei; Yang, Mu; Liu, Zhengliang; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

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IDS 号: EY7UB

ISSN: 0078-5466

eISSN: 1899-7015

来源出版物页码计数: 12

第 3 条, 共 17 条

标题: A Mini Review of the Key Components used for the Development of High-Speed Atomic Force Microscopy

作者: Cai, W (Cai, Wei); Liu, ZL (Liu, Zhengliang); Chen, Y (Chen, Yan); Shang, GY (Shang, Guangyi)

来源出版物: SCIENCE OF ADVANCED

MATERIALS 卷: 9 期: 1 页: 77-88 DOI: 10.1166/sam.2017.2764 出版年: JAN 2017

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

入藏号: WOS:000396469000014

语种: English

文献类型: Review

地址: [Cai, Wei; Liu, Zhengliang; Chen, Yan; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Cai, Wei; Liu, Zhengliang; Chen, Yan; Shang, Guangyi] Beihang Univ, Beijing 100191, Peoples R China.

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IDS 号: EO1OY

ISSN: 1947-2935

eISSN: 1947-2943

来源出版物页码计数: 12

第 4 条, 共 17 条

标题: Silica-coated silver nanowire-loaded hybrid plasmonic waveguide for low-loss waveguiding on the nanoscale

作者: Wang, YJ (Wang, Yingjie); Cai, W (Cai, Wei); Yang, M (Yang, Mu); Liu, ZL (Liu, Zhengliang);



Shang, GY (Shang, Guangyi)

来源出版物: JOURNAL OF NANOPHOTONICS 卷: 10 期: 3 文献

号: 036019 DOI: 10.1117/1.JNP.10.036019 出版年: JUL 2016

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

入藏号: WOS:000388232200041

语种: English

文献类型: Article

地址: [Wang, Yingjie; Cai, Wei; Yang, Mu; Liu, Zhengliang; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

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IDS 号: EC6FP

ISSN: 1934-2608

来源出版物页码计数: 9

第 5 条, 共 17 条

标题: Nanoscale electrical properties of epitaxial Cu₃Ge film

作者: Wu, F (Wu, Fan); Cai, W (Cai, Wei); Gao, J (Gao, Jia); Loo, YL (Loo, Yueh-Lin); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 28818 DOI: 10.1038/srep28818 出版年: JUL 1 2016

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

入藏号: WOS:000378885900001

语种: English

文献类型: Article

地址: [Wu, Fan; Cai, Wei; Gao, Jia; Loo, Yueh-Lin; Yao, Nan] Princeton Univ, Princeton Inst Sci & Technol Mat, 70 Prospect Ave, Princeton, NJ 08544 USA.

通讯作者地址: Wu, F (通讯作者), Princeton Univ, Princeton Inst Sci & Technol Mat, 70 Prospect Ave, Princeton, NJ 08544 USA.

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IDS 号: DQ0JT

ISSN: 2045-2322

来源出版物页码计数: 10

第 6 条, 共 17 条



标题: Dynamic nano-triboelectrification using torsional resonance mode atomic force microscopy

作者: Cai, W (Cai, Wei); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 27874 DOI: 10.1038/srep27874 出版年: JUN 15 2016

Web of Science 核心合集中的 "被引频次": 3

被引频次合计: 3

入藏号: WOS:000384617400001

语种: English

文献类型: Article

地址: [Cai, Wei; Yao, Nan] Princeton Univ, Princeton Inst Sci & Technol Mat, Princeton, NJ 08544 USA.

通讯作者地址: Yao, N (通讯作者), Princeton Univ, Princeton Inst Sci & Technol Mat, Princeton, NJ 08544 USA.

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IDS 号: DX8DD

ISSN: 2045-2322

来源出版物页码计数: 9

第 7 条, 共 17 条

标题: Orientation-and polarization-dependent optical properties of the single Ag nanowire/glass substrate system excited by the evanescent wave

作者: Yang, M (Yang, Mu); Cai, W (Cai, Wei); Wang, YJ (Wang, Yingjie); Sun, MT (Sun, Mengtao); Shang, GY (Shang, Guangyi)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 25633 DOI: 10.1038/srep25633 出版年: MAY 9 2016

Web of Science 核心合集中的 "被引频次": 3

被引频次合计: 3

入藏号: WOS:000375435900001

语种: English

文献类型: Article

地址: [Yang, Mu; Cai, Wei; Wang, Yingjie; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Minist Educ, Lab Micronano Measurement Manipulat & Phys, Beijing 100191, Peoples R China.

[Sun, Mengtao] Chinese Acad Sci, Inst Phys, Beijing Key Lab Nanomat & Nanodevices, Beijing Natl Lab Condensed Matter Phys, Beijing 100190, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Dept Appl Phys, Minist Educ, Lab Micronano Measurement Manipulat & Phys, Beijing 100191, Peoples R China.

Sun, MT (通讯作者), Chinese Acad Sci, Inst Phys, Beijing Key Lab Nanomat & Nanodevices, Beijing Natl Lab Condensed Matter Phys, Beijing 100190, Peoples R China.

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IDS 号: DL2AW

ISSN: 2045-2322

来源出版物页码计数: 10

第 8 条, 共 17 条

标题: In situ Electrochemical-AFM Study of LiFePO₄ Thin Film in Aqueous Electrolyte

作者: Wu, JX (Wu, Jiaxiong); Cai, W (Cai, Wei); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 11 文献

号: 223 **DOI**: 10.1186/s11671-016-1446-1 出版年: APR 27 2016

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

入藏号: WOS:000374997100001

语种: English

文献类型: Article

地址: [Wu, Jiaxiong; Cai, Wei; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Wu, Jiaxiong; Cai, Wei; Shang, Guangyi] Beihang Univ, Minist Educ, Key Lab Micronano Measurement Manipulat & Phys, Beijing 100191, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

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IDS 号: DK5YL

ISSN: 1556-276X

来源出版物页码计数: 7

第 9 条, 共 17 条

标题: Energy scavenging based on a single-crystal PMN-PT nanobelt

作者: Wu, F (Wu, Fan); Cai, W (Cai, Wei); Yeh, YW (Yeh, Yao-Wen); Xu, SY (Xu, Shiyong); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 22513 **DOI**: 10.1038/srep22513 出版年: MAR 1 2016

Web of Science 核心合集中的 "被引频次": 10

被引频次合计: 10

入藏号: WOS:000371059500001

语种: English

文献类型: Article



地址: [Wu, Fan; Cai, Wei; Yeh, Yao-Wen; Xu, Shiyou; Yao, Nan] Princeton Univ, Princeton Inst Sci & Technol Mat PRISM, 70 Prospect Ave, Princeton, NJ 08544 USA.

通讯作者地址: Wu, F; Yao, N (通讯作者), Princeton Univ, Princeton Inst Sci & Technol Mat PRISM, 70 Prospect Ave, Princeton, NJ 08544 USA.

电子邮件地址: fanwu@princeton.edu; nyao@princeton.edu

IDS 号: DF0WI

ISSN: 2045-2322

来源出版物页码计数: 10

第 10 条, 共 17 条

标题: Surface modifications with Lissajous trajectories using atomic force microscopy

作者: Cai, W (Cai, Wei); Yao, N (Yao, Nan)

来源出版物: APPLIED PHYSICS LETTERS 卷: 107 期: 11 文献

号: 113102 **DOI:** 10.1063/1.4931087 出版年: SEP 14 2015

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

入藏号: WOS:000361639200041

语种: English

文献类型: Article

地址: [Cai, Wei; Yao, Nan] Princeton Univ, Princeton Inst Sci & Technol Mat, Princeton, NJ 08544 USA.

通讯作者地址: Yao, N (通讯作者), Princeton Univ, Princeton Inst Sci & Technol Mat, Princeton, NJ 08544 USA.

电子邮件地址: nyao@princeton.edu

IDS 号: CR8YA

ISSN: 0003-6951

eISSN: 1077-3118

来源出版物页码计数: 4

第 11 条, 共 17 条

标题: Fabrication of epitaxial Cu₃Ge on sapphire with controlled crystallinity and planar defects

作者: Wu, F (Wu, F.); Zheng, JK (Zheng, J. K.); Cai, W (Cai, W.); Yao, N (Yao, N.); Zhu, YT (Zhu, Y. T.); Narayan, J (Narayan, J.)

来源出版物: JOURNAL OF ALLOYS AND

COMPOUNDS 卷: 641 页: 238-243 **DOI:** 10.1016/j.jallcom.2015.03.143 出版年: AUG 25 2015

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

入藏号: WOS:000354195900040



语种: English

文献类型: Article

地址: [Wu, F.; Cai, W.; Yao, N.] Princeton Univ, Princeton Inst Sci & Technol Mat PRISM, Princeton, NJ 08540 USA.

[Zheng, J. K.] Univ Calif Los Angeles, Dept Elect Engr, Los Angeles, CA 90095 USA.

[Zhu, Y. T.; Narayan, J.] N Carolina State Univ, Dept Mat Sci & Engr, Raleigh, NC 27695 USA.

通讯作者地址: Wu, F (通讯作者), Princeton Univ, Princeton Inst Sci & Technol Mat PRISM, 70 Prospect Ave, Princeton, NJ 08540 USA.

电子邮件地址: fanwu@princeton.edu; nyao@princeton.edu

IDS 号: CH7DN

ISSN: 0925-8388

eISSN: 1873-4669

来源出版物页码计数: 6

第 12 条, 共 17 条

标题: Piezoelectric bimorph-based shear force microscopy for the construction of noble metal plasmonic structures in air

作者: Cai, W (Cai, Wei); Yang, M (Yang, Mu); Wang, YJ (Wang, Yingjie); Shang, GY (Shang, Guangyi)

来源出版物: MATERIALS RESEARCH EXPRESS 卷: 2 期: 7 文献

号: 075701 DOI: 10.1088/2053-1591/2/7/075701 出版年: JUL 2015

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

入藏号: WOS:000370036300021

语种: English

文献类型: Article

地址: [Cai, Wei; Yang, Mu; Wang, Yingjie; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Cai, Wei; Shang, Guangyi] Beihang Univ, Key Lab Micronano Measurement Manipulat & Phys, Minist Educ, Beijing 100191, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

Shang, GY (通讯作者), Beihang Univ, Key Lab Micronano Measurement Manipulat & Phys, Minist Educ, Beijing 100191, Peoples R China.

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IDS 号: DD6LS

ISSN: 2053-1591

来源出版物页码计数: 7



第 13 条, 共 17 条

标题: The Simulation Study of the Plasmonic Coupling Effect for the Ag Nanoparticle-nanowire Structure

作者: Wang, YJ (Wang, Ying-jie); Cai, W (Cai, Wei); Yang, M (Yang, Mu); Liu, ZL (Liu, Zheng-liang); Shang, GY (Shang, Guang-yi)

来源出版物: JOURNAL OF THE KOREAN PHYSICAL

SOCIETY 卷: 66 期: 2 页: 261-265 DOI: 10.3938/jkps.66.261 出版年: JAN 2015

Web of Science 核心合集中的 "被引频次": 2

被引频次合计: 2

入藏号: WOS:000349661100022

语种: English

文献类型: Article

地址: [Wang, Ying-jie; Cai, Wei; Yang, Mu; Liu, Zheng-liang; Shang, Guang-yi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

通讯作者地址: Wang, YJ (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

电子邮件地址: gyshang@buaa.edu.cn

IDS 号: CB5IQ

ISSN: 0374-4884

eISSN: 1976-8524

来源出版物页码计数: 5

第 14 条, 共 17 条

标题: Real-time deflection and friction force imaging by bimorph-based resonance-type high-speed scanning force microscopy in the contact mode

作者: Cai, W (Cai, Wei); Fan, HY (Fan, Haiyun); Zhao, JY (Zhao, Jianyong); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 9 文献

号: 665 DOI: 10.1186/1556-276X-9-665 出版年: DEC 10 2014

Web of Science 核心合集中的 "被引频次": 3

被引频次合计: 3

入藏号: WOS:000347648400003

语种: English

文献类型: Article

地址: [Cai, Wei; Fan, Haiyun; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Cai, Wei; Zhao, Jianyong; Shang, Guangyi] Beihang Univ, Minist Educ, Key Lab Micronano Measurement Manipulat & Phys, Beijing 100191, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R



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IDS 号: AY5ZT

ISSN: 1556-276X

来源出版物页码计数: 7

第 15 条, 共 17 条

标题: Resonance-type bimorph-based high-speed atomic force microscopy: real-time imaging and distortion correction

作者: Cai, W (Cai, Wei); Zhao, JY (Zhao, Jianyong); Gong, WT (Gong, Weitao); Fan, HY (Fan, Haiyun); Shang, GY (Shang, Guangyi)

来源出版物: MEASUREMENT SCIENCE AND TECHNOLOGY 卷: 25 期: 12 文献

号: 125404 **DOI:** 10.1088/0957-0233/25/12/125404 出版年: DEC 2014

Web of Science 核心合集中的 "被引频次": 2

被引频次合计: 3

入藏号: WOS:000345286800031

语种: English

文献类型: Article

地址: [Cai, Wei; Gong, Weitao; Fan, Haiyun; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Cai, Wei; Zhao, Jianyong; Shang, Guangyi] Beihang Univ, Key Lab Micronano Measurement Manipulat & Phys, Minist Educ, Beijing 100191, Peoples R China.

通讯作者地址: Cai, W (通讯作者), Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

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IDS 号: AU0AZ

ISSN: 0957-0233

eISSN: 1361-6501

来源出版物页码计数: 10

第 16 条, 共 17 条

标题: Piezoelectric bimorph-based scanner in the tip-scan mode for high speed atomic force microscope

作者: Zhao, JY (Zhao, Jianyong); Gong, WT (Gong, Weitao); Cai, W (Cai, Wei); Shang, GY (Shang, Guangyi)

来源出版物: REVIEW OF SCIENTIFIC INSTRUMENTS 卷: 84 期: 8 文献

号: 083706 **DOI:** 10.1063/1.4818976 出版年: AUG 2013

Web of Science 核心合集中的 "被引频次": 3

被引频次合计: 3

入藏号: WOS:000323947400028



语种: English

文献类型: Article

地址: [Zhao, Jianyong] Beihang Univ, Sch Instrumentat Sci & Optoelect Engn, Beijing 100191, Peoples R China.

[Zhao, Jianyong; Gong, Weitao; Cai, Wei; Shang, Guangyi] Beihang Univ, Key Lab Micronano Measurement Manipulat & Phys, Minist Educ, Beijing 100191, Peoples R China.

[Gong, Weitao; Cai, Wei; Shang, Guangyi] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

通讯作者地址: Shang, GY (通讯作者), Beihang Univ, Key Lab Micronano Measurement Manipulat & Phys, Minist Educ, Beijing 100191, Peoples R China.

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IDS 号: 211YC

ISSN: 0034-6748

eISSN: 1089-7623

来源出版物页码计数: 6

第 17 条, 共 17 条

标题: Oscillatory Motions of a Cantilever in High-Speed Atomic Force Microscopy in Constant-Height Mode

作者: Zhao, JY (Zhao, Jianyong); Cai, W (Cai, Wei); Shang, GY (Shang, Guangyi); Yao, JN (Yao, Junen)

来源出版物: APPLIED PHYSICS EXPRESS 卷: 6 期: 7 文献

号: 075201 DOI: 10.7567/APEX.6.075201 出版年: JUL 2013

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

入藏号: WOS:000321699300034

语种: English

文献类型: Article

地址: [Zhao, Jianyong; Yao, Junen] Beihang Univ, Sch Instrumentat Sci & Optoelect Engn, Beijing 100191, Peoples R China.

[Cai, Wei; Shang, Guangyi; Yao, Junen] Beihang Univ, Dept Appl Phys, Beijing 100191, Peoples R China.

[Zhao, Jianyong; Cai, Wei; Shang, Guangyi; Yao, Junen] Beihang Univ, Key Lab Micronano Measurement Manipulat & Phys, Beijing 100191, Peoples R China.

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ISSN: 1882-0778



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来源出版物页码计数: 3

文献收录检索证明

作者姓名：蔡微 (Cai, Wei)

经检索“网络版工程索引 (EI Compendex)”数据库，该作者发表的
论文 (2011 年-2018 年)，被收录 2 篇。

检索结果见附件，共 3 页。

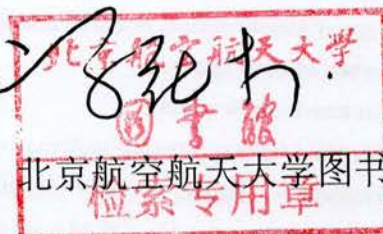
检索时间为 2018 年 5 月 18 日。

特此证明！

证明人 (签字)：

证明单位 (盖章)：北京航空航天大学图书馆

二〇一八年五月十八日



附件:

1. Effective image and spectral data acquisition method used in scanning near-field optical microscopy by bimorph-based shear force sensor

Accession number: 20140917407669

Authors: Cai, Wei (1); Yang, Mu (1); Wang, Yingjie (1); Shang, Guangyi (1)

Author affiliation: (1) Department of Applied Physics, Beihang University, BUAA, Beijing, China

Source title: IST 2013 - 2013 IEEE International Conference on Imaging Systems and Techniques, Proceedings

Abbreviated source title: IST - IEEE Int. Conf. Imaging Syst. Tech., Proc.

Monograph title: IST 2013 - 2013 IEEE International Conference on Imaging Systems and Techniques, Proceedings

Issue date: 2013

Publication year: 2013

Pages: 155-159

Article number: 6729682

Language: English

ISBN-13: 9781467357906

Document type: Conference article (CA)

Conference name: 2013 IEEE International Conference on Imaging Systems and Techniques, IST 2013

Conference date: October 22, 2013 - October 23, 2013

Conference location: Beijing, China

Conference code: 102804

Publisher: IEEE Computer Society, 2001 L Street N.W., Suite 700, Washington, DC 20036-4928, United States

Abstract: We have introduced a home-made scanning near-field optical microscope (SNOM) with bimorph-based shear force sensor. The instrumentation of the imaging system and the key techniques such as the bimorph-based non-optical shear force sensor design and the fabrication of optical fiber probes used in this SNOM are described in details. Then the good performance of the system is demonstrated by various experiments such as shear force imaging, near-field optical imaging, surface plasmon resonance detection, and near-field spectroscopy. The imaging and spectroscopic experimental results suggest that this home-made SNOM and bimorph-based shear force detection method would be promising techniques to be used in a variety of nanomaterials research and their optical applications. © 2013 IEEE.

Number of references: 27

Main heading: Scanning

Controlled terms: Imaging systems - Near field scanning optical microscopy - Optical fiber fabrication - Optical fibers - Sensors

Uncontrolled terms: Near-field optical imaging - Near-field spectroscopy - Optical applications - Scanning near-field optical microscope - Scanning near-field optical microscopy - Shear force detection - Shear force microscopy - Shear-force sensors

Classification code: 741 Light, Optics and Optical Devices



Light, Optics and Optical Devices

- 746 Imaging Techniques

Imaging Techniques

- 801 Chemistry

Chemistry

DOI: 10.1109/IST.2013.6729682

Database: Compendex

Compilation and indexing terms, Copyright 2017 Elsevier Inc.

Data Provider: Engineering Village

2. A high-speed atomic and friction force microscopic imaging system based on a novel optical beam deflection design

Accession number: 20140917407724

Authors: Fan, Haiyun (1); Cai, Wei (1); Zhao, Jianyong (2); Shang, Guangyi (1)

Author affiliation: (1) Department of Applied Physics, Beihang University, BUAA, Beijing, China; (2) School of Instrumentation Science and Opto-electronics Engineering, Beihang University, BUAA, Beijing, China

Corresponding author: Shang, G.(gyshang@buaa.edu.cn)

Source title: IST 2013 - 2013 IEEE International Conference on Imaging Systems and Techniques, Proceedings

Abbreviated source title: IST - IEEE Int. Conf. Imaging Syst. Tech., Proc.

Monograph title: IST 2013 - 2013 IEEE International Conference on Imaging Systems and Techniques, Proceedings

Issue date: 2013

Publication year: 2013

Pages: 437-440

Article number: 6729737

Language: English

ISBN-13: 9781467357906

Document type: Conference article (CA)

Conference name: 2013 IEEE International Conference on Imaging Systems and Techniques, IST 2013

Conference date: October 22, 2013 - October 23, 2013

Conference location: Beijing, China

Conference code: 102804

Publisher: IEEE Computer Society, 2001 L Street N.W., Suite 700, Washington, DC 20036-4928, United States

Abstract: High-speed atomic force microscope has been a promising tool for dynamic process investigation in the fields such as crystallization, phase change, biological and biophysical events, nanolithography as well as industrial serial production. In the paper, the principle of atomic and friction force microscopic imaging is first described. A high-speed atomic and friction force microscopic imaging system based on a novel optical beam deflection design is then presented in details. Topographic and friction force images of a fluorine-doped





tin oxide-coated conductive glass surface taken with the system are given, showing that the system has the high speed imaging capability with a nanometer resolution. © 2013 IEEE.

Number of references: 16

Main heading: Friction

Controlled terms: Atomic force microscopy - Imaging systems - Nanocomposites - Tribology

Uncontrolled terms: Conductive glass - Friction force - High speed imaging - high-speed - Microscopic imaging - Nanometer resolutions - Optical beam deflection - Serial production

Classification code: 741 Light, Optics and Optical Devices

Light, Optics and Optical Devices

- 741.3 Optical Devices and Systems

Optical Devices and Systems

- 746 Imaging Techniques

Imaging Techniques

- 761 Nanotechnology

Nanotechnology

- 931 Classical Physics; Quantum Theory; Relativity

Classical Physics; Quantum Theory; Relativity

- 933 Solid State Physics

Solid State Physics

DOI: 10.1109/IST.2013.6729737

Database: Compendex

Compilation and indexing terms, Copyright 2017 Elsevier Inc.

Data Provider: Engineering Village

中文核心期刊检索证明

经检索《中文核心期刊要目总览（2011年版）》（朱强、蔡蓉华、何峻主编，北京大学出版社，ISBN: 978-7-301-20064-3），下列1种期刊为核心期刊：

1. 【期刊名称】电子显微学报
【ISSN】1000-6281
【核心期刊版次】2000//2008

检索时间为2018年5月18日。

特此证明！

证明人（签字）：

证明单位（盖章）：北京航空航天大学图书馆

检索专用章

二〇一八年五月十八日



北京航空航天大学

LIBRARY
BEIHANG UNIVERSITY 图书馆

SCIE 来源期刊及影响因子检索证明

经检索“期刊引证报告 (Journal Citation Reports)”数据库，下列 12 种期刊为 SCIE 来源期刊，影响因子及学科排名信息见附件，共 7 页。

检索时间为 2018 年 5 月 18 日。

特此证明！

证明人（签字）：

张北

证明单位（盖章）：北京航空航天大学图书馆

二〇一八年五月十八日



1. SCIENTIFIC REPORTS

影响因子

4.259 4.847

2016 5 年

JCR® 类别	类别中的排序	JCR 分区
MULTIDISCIPLINARY SCIENCES	10/64	Q1

数据来自第 2016 版 *Journal Citation Reports*

出版商 NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

ISSN: 2045-2322

研究领域 Science & Technology - Other Topics

2. APPLIED PHYSICS LETTERS

影响因子

3.411 3.341

2016 5 年

JCR® 类别	类别中的排序	JCR 分区
PHYSICS, APPLIED	29/148	Q1

数据来自第 2016 版 *Journal Citation Reports*

出版商 AMER INST PHYSICS, 1305 WALT WHITMAN RD, STE 300, MELVILLE, NY 11747-4501 USA

ISSN: 0003-6951

eISSN: 1077-3118

研究领域 Physics

3. SCIENCE OF ADVANCED MATERIALS

影响因子



1.671 1.599

2016 5 年

JCR® 类别	类别中的排序	JCR 分区
MATERIALS SCIENCE, MULTIDISCIPLINARY	152/275	Q3
NANOSCIENCE & NANOTECHNOLOGY	61/87	Q3
PHYSICS, APPLIED	76/148	Q3

数据来自第 2016 版 *Journal Citation Reports*

出版商 AMER SCIENTIFIC PUBLISHERS, 26650 THE OLD RD, STE 208, VALENCIA, CA
91381-0751 USA

ISSN: 1947-2935

eISSN: 1947-2943

研究领域 Science & Technology - Other Topics

Materials Science

Physics

4. NANOSCALE RESEARCH LETTERS

影响因子

2.833 3.196

2016 5 年

JCR® 类别	类别中的排序	JCR 分区
MATERIALS SCIENCE, MULTIDISCIPLINARY	77/275	Q2
NANOSCIENCE & NANOTECHNOLOGY	41/87	Q2
PHYSICS, APPLIED	40/148	Q2



数据来自第 2016 版 *Journal Citation Reports*

出版商 SPRINGER, 233 SPRING ST, NEW YORK, NY 10013 USA

ISSN: 1556-276X

研究领域 Science & Technology - Other Topics

Materials Science

Physics

5. MEASUREMENT SCIENCE AND TECHNOLOGY

影响因子

1.585 1.768

2016

5 年

JCR® 类别	类别中的排序	JCR 分区
ENGINEERING, MULTIDISCIPLINARY	29/85	Q2
INSTRUMENTS & INSTRUMENTATION	28/58	Q2

数据来自第 2016 版 *Journal Citation Reports*

出版商 IOP PUBLISHING LTD, TEMPLE CIRCUS, TEMPLE WAY, BRISTOL BS1 6BE, ENGLAND

ISSN: 0957-0233

eISSN: 1361-6501

研究领域 Engineering

Instruments & Instrumentation

6. MATERIALS RESEARCH EXPRESS

影响因子

1.068 1.071

2016

5 年

JCR® 类别	类别中的排序	JCR 分区
MATERIALS SCIENCE, MULTIDISCIPLINARY	204/275	Q3



数据来自第 2016 版 *Journal Citation Reports*

出版商 IOP PUBLISHING LTD, TEMPLE CIRCUS, TEMPLE WAY, BRISTOL BS1 6BE, ENGLAND

ISSN: 2053-1591

研究领域 Materials Science

7. JOURNAL OF ALLOYS AND COMPOUNDS

影响因子

3.133 2.919

2016

5 年

JCR® 类别	类别中的排序	JCR 分区
CHEMISTRY, PHYSICAL	51/146	Q2
MATERIALS SCIENCE, MULTIDISCIPLINARY	66/275	Q1
METALLURGY & METALLURGICAL ENGINEERING	5/74	Q1

数据来自第 2016 版 *Journal Citation Reports*

出版商 ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND

ISSN: 0925-8388

eISSN: 1873-4669

研究领域 Chemistry

Materials Science

Metallurgy & Metallurgical Engineering

8. APPLIED PHYSICS EXPRESS

影响因子

2.667 2.421

2016

5 年

JCR® 类别	类别中的排序	JCR 分区
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PHYSICS, APPLIED	41/148	Q2
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数据来自第 2016 版 *Journal Citation Reports*

出版商 IOP PUBLISHING LTD, TEMPLE CIRCUS, TEMPLE WAY, BRISTOL BS1 6BE, ENGLAND

ISSN: 1882-0778

eISSN: 1882-0786

研究领域 Physics

9. REVIEW OF SCIENTIFIC INSTRUMENTS

影响因子

1.515 1.616

2016 5 年

JCR® 类别	类别中的排序	JCR 分区
INSTRUMENTS & INSTRUMENTATION	31/58	Q3
PHYSICS, APPLIED	88/148	Q3

数据来自第 2016 版 *Journal Citation Reports*

出版商 AMER INST PHYSICS, 1305 WALT WHITMAN RD, STE 300, MELVILLE, NY

11747-4501 USA

ISSN: 0034-6748

eISSN: 1089-7623

研究领域 Instruments & Instrumentation

Physics

10. JOURNAL OF NANOPHOTONICS

影响因子

1.325 1.562

2016 5 年

JCR® 类别	类别中的排序	JCR 分区
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NANOSCIENCE & NANOTECHNOLOGY	71/87	Q4
OPTICS	60/92	Q3

数据来自第 2016 版 *Journal Citation Reports*

出版商 SPIE-SOC PHOTO-OPTICAL INSTRUMENTATION ENGINEERS, 1000 20TH ST, PO BOX 10, BELLINGHAM, WA 98225 USA

ISSN: 1934-2608

研究领域 Science & Technology - Other Topics
Optics

11. OPTICA APPLICATA

影响因子

0.641 0.589

2016

5 年

JCR® 类别	类别中的排序	JCR 分区
OPTICS	82/92	Q4

数据来自第 2016 版 *Journal Citation Reports*

出版商 TECHNICAL UNIV WROCLAW, WYBRZEZE WYSPIANSKIEGO 27, EXPORT-IMPORT DIVISION, 50-370 WROCLAW, POLAND

ISSN: 0078-5466

eISSN: 1899-7015

研究领域 Optics

12. JOURNAL OF THE KOREAN PHYSICAL SOCIETY

影响因子

0.467 0.399

2016

5 年



JCR® 类别	类别中的排序	JCR 分区
PHYSICS, MULTIDISCIPLINARY	71/79	Q4

数据来自第 2016 版 *Journal Citation Reports*

出版商 KOREAN PHYSICAL SOC, 635-4, YUKSAM-DONG, KANGNAM-KU, SEOUL 135-703, SOUTH KOREA

ISSN: 0374-4884

eISSN: 1976-8524

研究领域 Physics

SCIE 文献引用检索证明

作者姓名：蔡微 (Cai, Wei)

经检索“Web of Science 引文索引数据库”，该作者发表的 17 篇论文（2011 年-2018 年），共被引用 31 次，其中他引 18 次（所有引用只计算被 SCIE/SSCI/CPCI-S/CPCI-SSH 收录的论文进行的引用）。

（他引定义：引用文献中不包含被引文献的任意作者。）

检索结果见附件，共 10 页。

检索时间为 2018 年 5 月 18 日。

特此证明！

证明人（签字）：



证明单位（盖章）：北京航空航天大学图书馆

二〇一八年五月十八日



附件:

第 1 条, 共 17 条

标题: Multi-characterization of LiCoO₂ cathode films using advanced AFM-based techniques with high resolution

作者: Wu, JX (Wu, Jiexiong); Yang, S (Yang, Shan); Cai, W (Cai, Wei); Bi, ZF (Bi, Zhuanfang); Shang, GY (Shang, Guangyi); Yao, JN (Yao, Junen)

来源出版物: SCIENTIFIC REPORTS 卷: 7 文献号: 11164 DOI: 10.1038/s41598-017-11623-0 出版年: SEP 18 2017

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

第 1 条, 共 1 条

标题: *In situ* probing behaviors of single LiNiO₂ nanoparticles by merging CAFM and AM-FM techniques

作者: Bi, ZF (Bi, Zhuanfang); Wu, JX (Wu, Jiexiong); Yang, S (Yang, Shan); Li, L (Li, Liu); Yang, PF (Yang, Peifa); Shang, Y (Shang, Yang); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE 卷: 10 期: 6 页: 2916-2922 DOI: 10.1039/c7nr07329a 出版年: FEB 14 2018

第 2 条, 共 17 条

标题: A simple model of the scanning near-field optical microscopy probe tip for electric field enhancement

作者: Wang, YJ (Wang, Yingjie); Cai, W (Cai, Wei); Yang, M (Yang, Mu); Liu, ZL (Liu, Zhengliang); Shang, GY (Shang, Guangyi)

来源出版物: OPTICA APPLICATA 卷: 47 期: 1 页: 119-130 DOI: 10.5277/oa170111 出版年: 2017

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

第 3 条, 共 17 条

标题: A Mini Review of the Key Components used for the Development of High-Speed Atomic Force Microscopy

作者: Cai, W (Cai, Wei); Liu, ZL (Liu, Zhengliang); Chen, Y (Chen, Yan); Shang, GY (Shang, Guangyi)

来源出版物: SCIENCE OF ADVANCED MATERIALS 卷: 9 期: 1 页: 77-88 DOI: 10.1166/sam.2017.2764 出版年: JAN 2017



Web of Science 核心合集中的 "被引频次": 0
被引频次合计: 0

第 4 条, 共 17 条

标题: Silica-coated silver nanowire-loaded hybrid plasmonic waveguide for low-loss waveguiding on the nanoscale

作者: Wang, YJ (Wang, Yingjie); Cai, W (Cai, Wei); Yang, M (Yang, Mu); Liu, ZL (Liu, Zhengliang); Shang, GY (Shang, Guangyi)

来源出版物: JOURNAL OF NANOPHOTONICS 卷: 10 期: 3 文献号: 036019 DOI: 10.1117/1.JNP.10.036019 出版年: JUL 2016

Web of Science 核心合集中的 "被引频次": 0
被引频次合计: 0

第 5 条, 共 17 条

标题: Nanoscale electrical properties of epitaxial Cu₃Ge film

作者: Wu, F (Wu, Fan); Cai, W (Cai, Wei); Gao, J (Gao, Jia); Loo, YL (Loo, Yueh-Lin); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 28818 DOI: 10.1038/srep28818 出版年: JUL 1 2016

Web of Science 核心合集中的 "被引频次": 0
被引频次合计: 0

第 6 条, 共 17 条

标题: Dynamic nano-triboelectrification using torsional resonance mode atomic force microscopy

作者: Cai, W (Cai, Wei); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 27874 DOI: 10.1038/srep27874 出版年: JUN 15 2016

Web of Science 核心合集中的 "被引频次": 3
被引频次合计: 3

第 1 条, 共 3 条

标题: Sensing in-plane nanomechanical surface and sub-surface properties of polymers: local shear stress as function of the indentation depth

作者: Dietz, C (Dietz, Christian)

来源出版物: NANOSCALE 卷: 10 期: 1 页: 460-468 DOI: 10.1039/c7nr07147g 出版



年: JAN 7 2018

第 2 条, 共 3 条

标题: Non-contact lateral force microscopy

作者: Weymouth, AJ (Weymouth, A. J.)

来源出版物: JOURNAL OF PHYSICS-CONDENSED MATTER 卷: 29 期: 32 文献号: 323001

DOI: 10.1088/1361-648X/aa7984 出版年: AUG 16 2017

第 3 条, 共 3 条

标题: Temperature dependence of interfacial thickness and conductivity of SIO₂/LDPE composite films

作者: Yao, L (Yao, Lei); Yin, JH (Yin, Jinghua); Zhao, H (Zhao, Hong); Yang, JM (Yang, Jiaming); Chen, MH (Chen, Minghua); Han, BZ (Han, Baozhong); Su, B (Su, Bo); Mo, G (Mo, Guang)

来源出版物: EUROPEAN POLYMER JOURNAL 卷: 89 页: 119-128 DOI: 10.1016/j.eurpolymj.2017.02.002 出版年: APR 2017

第 7 条, 共 17 条

标题: Orientation-and polarization-dependent optical properties of the single Ag nanowire/glass substrate system excited by the evanescent wave

作者: Yang, M (Yang, Mu); Cai, W (Cai, Wei); Wang, YJ (Wang, Yingjie); Sun, MT (Sun, Mengtao); Shang, GY (Shang, Guangyi)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 25633 DOI: 10.1038/srep25633 出版年: MAY 9 2016

Web of Science 核心合集中的“被引频次”: 3

被引频次合计: 3

第 1 条, 共 3 条

标题: Dispersion, propagation, and transverse spin of surface plasmon polaritons in a metal-chiral-metal waveguide

作者: Zhang, Q (Zhang, Qiang); Li, JQ (Li, Junqing); Liu, XG (Liu, Xingguang); Gelmecha, DJ (Gelmecha, Demissie J.)

来源出版物: APPLIED PHYSICS LETTERS 卷: 110 期: 16 文献号: 161114 DOI: 10.1063/1.4982158 出版年: APR 17 2017

第 2 条, 共 3 条

标题: Interstitial-Dependent Enhanced Photoluminescence: A Near-Field Microscopy on Single Spheroid to Dimer, Tetramer, and Few Particles Gold Nanoassembly

作者: Hossain, MK (Hossain, Mohammad Kamal); Kitajima, M (Kitajima, Masahiro); Imura, K (Imura, Kohei); Okamoto, H (Okamoto, Hiromi)

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 121 期: 4 页: 2344-2354 DOI: 10.1021/acs.jpcc.6b10452 出版年: FEB 2 2017

第 3 条, 共 3 条

标题: Polarization dependence of plasmon enhanced fluorescence on Au nanorod array



作者: Zhang, MD (Zhang, Mingdi); Li, CX (Li, Caixia); Wang, C (Wang, Chi); Zhang, CY (Zhang, Chengyun); Wang, ZJ (Wang, Zhaojin); Han, QY (Han, Qinyan); Zheng, HR (Zheng, Hairong)
来源出版物: APPLIED OPTICS 卷: 56 期: 3 页: 375-379 DOI: 10.1364/AO.56.000375
出版年: JAN 20 2017

第 8 条, 共 17 条

标题: In situ Electrochemical-AFM Study of LiFePO₄ Thin Film in Aqueous Electrolyte

作者: Wu, JX (Wu, Jiaxiong); Cai, W (Cai, Wei); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 11 文献

号: 223 DOI: 10.1186/s11671-016-1446-1 出版年: APR 27 2016

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

第 1 条, 共 1 条

标题: Tartaric acid assisted carbonization of LiFePO₄ synthesized through in situ hydrothermal process in aqueous glycerol solution

作者: Golestani, E (Golestani, Ehsan); Javanbakht, M (Javanbakht, Mehran);

Ghafarian-Zahmatkesh, H (Ghafarian-Zahmatkesh, Hossein); Beydaghi, H (Beydaghi, Hossein); Ghaemi, M (Ghaemi, Mehdi)

来源出版物: ELECTROCHIMICA ACTA 卷: 259 页: 903-915 DOI:
10.1016/j.electacta.2017.10.123 出版年: JAN 1 2018

第 9 条, 共 17 条

标题: Energy scavenging based on a single-crystal PMN-PT nanobelt

作者: Wu, F (Wu, Fan); Cai, W (Cai, Wei); Yeh, YW (Yeh, Yao-Wen); Xu, SY (Xu, Shiyong); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 22513 DOI: 10.1038/srep22513 出版年: MAR 1 2016

Web of Science 核心合集中的 "被引频次": 10

被引频次合计: 10

第 1 条, 共 10 条

标题: Highly piezoelectric BaTiO₃ nanorod bundle arrays using epitaxially grown TiO₂ nanomaterials

作者: Jang, SM (Jang, Seon-Min); Yang, SC (Yang, Su Chul)

来源出版物: NANOTECHNOLOGY 卷: 29 期: 23 文献号: 235602 DOI:
10.1088/1361-6528/aab9cf 出版年: JUN 8 2018

第 2 条, 共 10 条



标题: *Ferroelectric, upconversion emission and optical thermometric properties of color-controllable Er³⁺-doped Pb(Mg^{1/3}Nb^{2/3})O₃-PbTiO₃-Pb(Yb^{1/2}Nb^{1/2})O₃ ferroelectrics*

作者: Zheng, T (Zheng, Teng); Luo, LH (Luo, Laihui); Du, P (Du, Peng); Deng, AM (Deng, Anmeng); Li, WP (Li, Weiping)

来源出版物: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 卷: 38 期: 2 页: 575-583
DOI: 10.1016/j.jeurceramsoc.2017.09.035 出版年: FEB 2018

第 3 条, 共 10 条

标题: *Interface Controlled Growth of Single-Crystalline PbTiO₃ Nanostructured Arrays*

作者: Song, HC (Song, Hyun-Cheol); Maurya, D (Maurya, Deepam); Sanghadasa, M (Sanghadasa, Mohan); Reynolds, WT (Reynolds, William T., Jr.); Priya, S (Priya, Shashank)

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 121 期: 48 页: 27191-27198
DOI: 10.1021/acs.jpcc.7b09369 出版年: DEC 7 2017

第 4 条, 共 10 条

标题: *PMN-PT nanostructures for energy scavenging*

作者: Wu, F (Wu, Fan); Yao, N (Yao, Nan)

来源出版物: SEMICONDUCTOR SCIENCE AND TECHNOLOGY 卷: 32 期: 6 文献号: 063001 DOI: 10.1088/1361-6641/aa6551 出版年: JUN 2017

第 5 条, 共 10 条

标题: *Graphene Ink Laminate Structures on Poly(vinylidene difluoride) (PVDF) for Pyroelectric Thermal Energy Harvesting and Waste Heat Recovery*

作者: Zabek, D (Zabek, Daniel); Seunarine, K (Seunarine, Kris); Spacie, C (Spacie, Chris); Bowen, C (Bowen, Chris)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 9 期: 10 页: 9161-9167 DOI: 10.1021/acsami.6b16477 出版年: MAR 15 2017

第 6 条, 共 10 条

标题: *A retrospect on the role of piezoelectric nanogenerators in the development of the green world*

作者: Roji, MAM (Roji, Ani Melfa M.); Jiji, G (Jiji, G.); Raj, TAB (Raj, Ajith Bosco T.)

来源出版物: RSC ADVANCES 卷: 7 期: 53 页: 33642-33670 DOI: 10.1039/c7ra05256a
出版年: 2017

第 7 条, 共 10 条

标题: *Scalable single crystalline PMN-PT nanobelts sculpted from bulk for energy harvesting*

作者: Chen, Y (Chen, Yan); Zhang, Y (Zhang, Yang); Zhang, L (Zhang, Long); Ding, F (Ding, Fei); Schmidt, OG (Schmidt, Oliver G.)

来源出版物: NANO ENERGY 卷: 31 页: 239-246 DOI: 10.1016/j.nanoen.2016.11.040
出版年: JAN 2017

第 8 条, 共 10 条

标题: *Piezoelectric energy harvesting from a PMN-PT single nanowire*

作者: Moorthy, B (Moorthy, Brindha); Baek, C (Baek, Changyeon); Wang, JE (Wang, Ji Eun);

Jeong, CK (Jeong, Chang Kyu); Moon, S (Moon, San); Park, KI (Park, Kwi-Il); Kim, DK (Kim, Do



Kyung)

来源出版物: RSC ADVANCES 卷: 7 期: 1 页: 260-265 DOI: 10.1039/c6ra24688e 出版年: 2017

第 9 条, 共 10 条

标题: Large field-induced-strain at high temperature in ternary ferroelectric crystals

作者: Wang, YJ (Wang, Yaojin); Chen, LJ (Chen, Lijun); Yuan, GL (Yuan, Guoliang); Luo, HS (Luo, Haosu); Li, JF (Li, Jiefang); Viehland, D (Viehland, D.)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 35120 DOI: 10.1038/srep35120 出版年: OCT 13 2016

第 10 条, 共 10 条

标题: In-situ synthesis and defect evolution of single-crystal piezoelectric nanoparticles

作者: Wu, F (Wu, Fan); Yao, N (Yao, Nan)

来源出版物: NANO ENERGY 卷: 28 页: 195-205 DOI: 10.1016/j.nanoen.2016.08.042 出版年: OCT 2016

第 10 条, 共 17 条

标题: Surface modifications with Lissajous trajectories using atomic force microscopy

作者: Cai, W (Cai, Wei); Yao, N (Yao, Nan)

来源出版物: APPLIED PHYSICS LETTERS 卷: 107 期: 11 文献号: 113102 DOI: 10.1063/1.4931087 出版年: SEP 14 2015

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

第 11 条, 共 17 条

标题: Fabrication of epitaxial Cu₃Ge on sapphire with controlled crystallinity and planar defects

作者: Wu, F (Wu, F.); Zheng, JK (Zheng, J. K.); Cai, W (Cai, W.); Yao, N (Yao, N.); Zhu, YT (Zhu, Y. T.); Narayan, J (Narayan, J.)

来源出版物: JOURNAL OF ALLOYS AND

COMPOUNDS 卷: 641 页: 238-243 DOI: 10.1016/j.jallcom.2015.03.143 出版年: AUG 25 2015

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

第 1 条, 共 1 条

标题: Nanoscale electrical properties of epitaxial Cu₃Ge film

作者: Wu, F (Wu, Fan); Cai, W (Cai, Wei); Gao, J (Gao, Jia); Loo, YL (Loo, Yueh-Lin); Yao, N (Yao, Nan)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 28818 DOI: 10.1038/srep28818 出版年: JUL 1 2016



第 12 条, 共 17 条

标题: Piezoelectric bimorph-based shear force microscopy for the construction of noble metal plasmonic structures in air

作者: Cai, W (Cai, Wei); Yang, M (Yang, Mu); Wang, YJ (Wang, Yingjie); Shang, GY (Shang, Guangyi)

来源出版物: MATERIALS RESEARCH EXPRESS 卷: 2 期: 7 文献

号: 075701 DOI: 10.1088/2053-1591/2/7/075701 出版年: JUL 2015

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

第 1 条, 共 1 条

标题: Orientation-and polarization-dependent optical properties of the single Ag nanowire/glass substrate system excited by the evanescent wave

作者: Yang, M (Yang, Mu); Cai, W (Cai, Wei); Wang, YJ (Wang, Yingjie); Sun, MT (Sun, Mengtao); Shang, GY (Shang, Guangyi)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 25633 DOI: 10.1038/srep25633 出版年: MAY 9 2016

第 13 条, 共 17 条

标题: The Simulation Study of the Plasmonic Coupling Effect for the Ag Nanoparticle-nanowire Structure

作者: Wang, YJ (Wang, Ying-jie); Cai, W (Cai, Wei); Yang, M (Yang, Mu); Liu, ZL (Liu, Zheng-liang); Shang, GY (Shang, Guang-yi)

来源出版物: JOURNAL OF THE KOREAN PHYSICAL

SOCIETY 卷: 66 期: 2 页: 261-265 DOI: 10.3938/jkps.66.261 出版年: JAN 2015

Web of Science 核心合集中的 "被引频次": 2

被引频次合计: 2

第 1 条, 共 2 条

标题: Orientation-and polarization-dependent optical properties of the single Ag nanowire/glass substrate system excited by the evanescent wave

作者: Yang, M (Yang, Mu); Cai, W (Cai, Wei); Wang, YJ (Wang, Yingjie); Sun, MT (Sun, Mengtao); Shang, GY (Shang, Guangyi)

来源出版物: SCIENTIFIC REPORTS 卷: 6 文献号: 25633 DOI: 10.1038/srep25633 出版年: MAY 9 2016

第 2 条, 共 2 条

标题: Investigation of Second Harmonic Generation in Asymmetric Metal-Insulator-Metal



Plasmonic Waveguides

作者: Soltani, M (Soltani, Mohamadreza); Nikoufard, M (Nikoufard, Mahmoud); Dousti, M (Dousti, Massoud)

来源出版物: PLASMONICS 卷: 11 期: 2 页: 689-695 DOI: 10.1007/s11468-015-0093-1
出版年: APR 2016

第 14 条, 共 17 条

标题: Real-time deflection and friction force imaging by bimorph-based resonance-type high-speed scanning force microscopy in the contact mode

作者: Cai, W (Cai, Wei); Fan, HY (Fan, Haiyun); Zhao, JY (Zhao, Jianyong); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 9 文献

号: 665 DOI: 10.1186/1556-276X-9-665 出版年: DEC 10 2014

Web of Science 核心合集中的 "被引频次": 3

被引频次合计: 3

第 1 条, 共 3 条

标题: Sensing Performance Analysis on Quartz Tuning Fork-Probe at the High Order Vibration Mode for Multi-Frequency Scanning Probe Microscopy

作者: Zhang, XF (Zhang, Xiaofei); Gao, FL (Gao, Fengli); Li, XD (Li, Xide)

来源出版物: SENSORS 卷: 18 期: 2 文献号: 336 DOI: 10.3390/s18020336 出版年: FEB 2018

第 2 条, 共 3 条

标题: Evolution of the Contact Area with Normal Load for Rough Surfaces: from Atomic to Macroscopic Scales

作者: Huang, SP (Huang, Shiping)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 12 文献号: 592 DOI: 10.1186/s11671-017-2362-8 出版年: NOV 13 2017

第 3 条, 共 3 条

标题: A Mini Review of the Key Components used for the Development of High-Speed Atomic Force Microscopy

作者: Cai, W (Cai, Wei); Liu, ZL (Liu, Zhengliang); Chen, Y (Chen, Yan); Shang, GY (Shang, Guangyi)

来源出版物: SCIENCE OF ADVANCED MATERIALS 卷: 9 期: 1 页: 77-88 DOI: 10.1166/sam.2017.2764 出版年: JAN 2017

第 15 条, 共 17 条

标题: Resonance-type bimorph-based high-speed atomic force microscopy: real-time imaging

and distortion correction

作者: Cai, W (Cai, Wei); Zhao, JY (Zhao, Jianyong); Gong, WT (Gong, Weitao); Fan, HY (Fan, Haiyun); Shang, GY (Shang, Guangyi)

来源出版物: MEASUREMENT SCIENCE AND TECHNOLOGY 卷: 25 期: 12 文献号: 125404 DOI: 10.1088/0957-0233/25/12/125404 出版年: DEC 2014

Web of Science 核心合集中的 "被引频次": 2

被引频次合计: 3

第 1 条, 共 2 条

标题: *A Mini Review of the Key Components used for the Development of High-Speed Atomic Force Microscopy*

作者: Cai, W (Cai, Wei); Liu, ZL (Liu, Zhengliang); Chen, Y (Chen, Yan); Shang, GY (Shang, Guangyi)

来源出版物: SCIENCE OF ADVANCED MATERIALS 卷: 9 期: 1 页: 77-88 DOI: 10.1166/sam.2017.2764 出版年: JAN 2017

第 2 条, 共 2 条

标题: *Real-time deflection and friction force imaging by bimorph-based resonance-type high-speed scanning force microscopy in the contact mode*

作者: Cai, W (Cai, Wei); Fan, HY (Fan, Haiyun); Zhao, JY (Zhao, Jianyong); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 9 文献号: 665 DOI: 10.1186/1556-276X-9-665 出版年: DEC 10 2014

第 16 条, 共 17 条

标题: *Piezoelectric bimorph-based scanner in the tip-scan mode for high speed atomic force microscope*

作者: Zhao, JY (Zhao, Jianyong); Gong, WT (Gong, Weitao); Cai, W (Cai, Wei); Shang, GY (Shang, Guangyi)

来源出版物: REVIEW OF SCIENTIFIC INSTRUMENTS 卷: 84 期: 8 文献号: 083706 DOI: 10.1063/1.4818976 出版年: AUG 2013

Web of Science 核心合集中的 "被引频次": 3

被引频次合计: 3

第 1 条, 共 3 条

标题: *A Mini Review of the Key Components used for the Development of High-Speed Atomic Force Microscopy*

作者: Cai, W (Cai, Wei); Liu, ZL (Liu, Zhengliang); Chen, Y (Chen, Yan); Shang, GY (Shang, Guangyi)

来源出版物: SCIENCE OF ADVANCED MATERIALS 卷: 9 期: 1 页: 77-88 DOI: 10.1166/sam.2017.2764 出版年: JAN 2017



第 2 条, 共 3 条

标题: *Real-time deflection and friction force imaging by bimorph-based resonance-type high-speed scanning force microscopy in the contact mode*

作者: Cai, W (Cai, Wei); Fan, HY (Fan, Haiyun); Zhao, JY (Zhao, Jianyong); Shang, GY (Shang, Guangyi)

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 9 文献号: 665 DOI: 10.1186/1556-276X-9-665 出版年: DEC 10 2014

第 3 条, 共 3 条

标题: *Resonance-type bimorph-based high-speed atomic force microscopy: real-time imaging and distortion correction*

作者: Cai, W (Cai, Wei); Zhao, JY (Zhao, Jianyong); Gong, WT (Gong, Weitao); Fan, HY (Fan, Haiyun); Shang, GY (Shang, Guangyi)

来源出版物: MEASUREMENT SCIENCE AND TECHNOLOGY 卷: 25 期: 12 文献号: 125404 DOI: 10.1088/0957-0233/25/12/125404 出版年: DEC 2014

第 17 条, 共 17 条

标题: *Oscillatory Motions of a Cantilever in High-Speed Atomic Force Microscopy in Constant-Height Mode*

作者: Zhao, JY (Zhao, Jianyong); Cai, W (Cai, Wei); Shang, GY (Shang, Guangyi); Yao, JN (Yao, Junen)

来源出版物: APPLIED PHYSICS EXPRESS 卷: 6 期: 7 文献号: 075201 DOI: 10.7567/APEX.6.075201 出版年: JUL 2013

Web of Science 核心合集中的 "被引频次": 1

被引频次合计: 1

第 1 条, 共 1 条

标题: *A Mini Review of the Key Components used for the Development of High-Speed Atomic Force Microscopy*

作者: Cai, W (Cai, Wei); Liu, ZL (Liu, Zhengliang); Chen, Y (Chen, Yan); Shang, GY (Shang, Guangyi)

来源出版物: SCIENCE OF ADVANCED MATERIALS 卷: 9 期: 1 页: 77-88 DOI: 10.1166/sam.2017.2764 出版年: JAN 2017

