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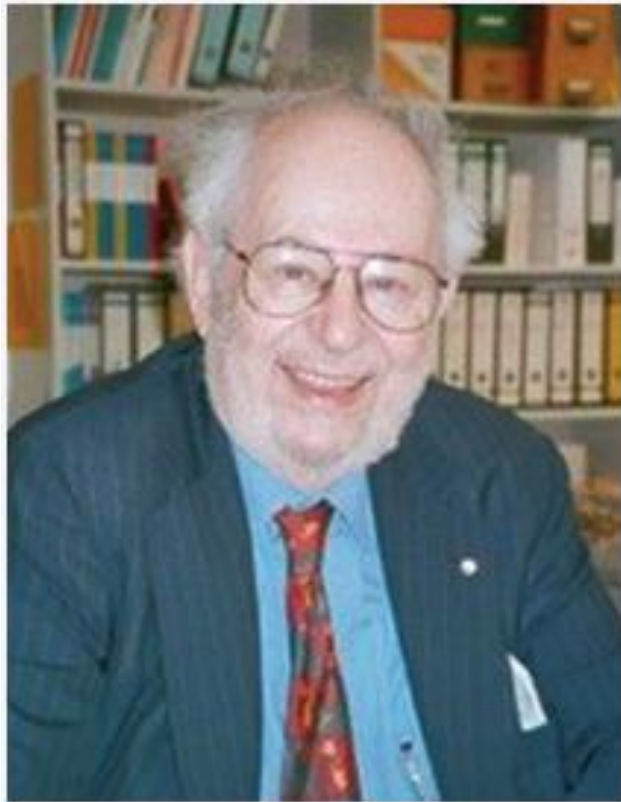
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BEGELL 出版社介绍

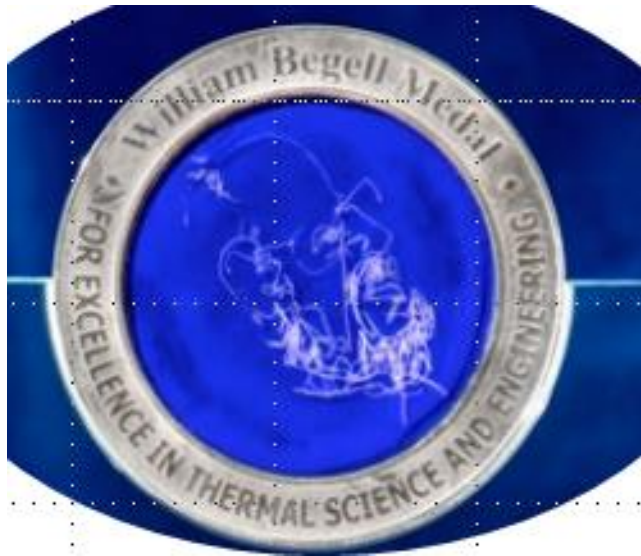


BEGELL HOUSE出版社由WILLIAM BEGELL博士于1991年在美国创办。

WILLIAM BEGELL博士（1927-2009）是一位在化学工程等方面享有盛名的工程师和科学家，精通英语、德语、俄语，对工程和生物医学的发展趋势有着敏锐的洞察力。

WILLIAM BEGELL博士曾在哥伦比亚大学任教。

2005年，被授予“美国机械工程协会热交换分会杰出贡献奖”。



威廉·伯格奖 (THE WILLIAM BEGELL MEDAL)，国际传热界最高奖项之一，由国际传热传质中心 (ICHMT) 执行委员会、国际传热大会理事会 (AIHTC) 及 BEGELL HOUSE 出版社共同设立，旨在纪念前美国哥伦比亚大学工程学教授、著名学术出版机构 BEGELL HOUSE 和 HEMISPHERE 的创建者 WILLIAM BEGELL 博士。

威廉·伯格奖因其严格的评选程序和重要分量，被视为传热学界的“终身成就奖”。

获奖者系从每届国际传热大会经提名并最终遴选的全球所有45分钟大会主题报告人中选出。

2010



Nobuhide Kasagi

Control Of Turbulent Transport:
Less Friction And More Heat Transfer.

2014



清华大学：刘静

Ways Toward Targeted Freezing Or Heating Ablation
Of Malignant Tumor: Precisely Managing The Heat
Delivery Inside Biological Systems.

2018



**Leonid Dombrovsky &
Alexander Fedorets**

Self-Assembled Stable Clusters of Droplets
over the Locally Heated Water Surface:
Milestones of the Laboratory Study



清华大学刘静教授获得国际传热界威廉·伯格奖

清华新闻网8月20日电 近日，在日本京都国际会议中心举行的2014国际传热大会上，清华大学刘静教授获得国际传热界最高奖项之一：威廉·伯格奖（The William Begell Medal），他并以“通向恶性肿瘤靶向冷冻或热消融治疗的途径：生物体系内热量的精准输运”为题作了45分钟大会主题报告。这是中国科学家首次获得国际传热界最高奖项和荣誉。



图为刘静教授从Begell House副总裁Vivian Wang女士手中接过威廉·伯格奖牌。



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1. Begell House出版社是一家独立的学术出版机构，提供工程技术与生物医药科学应用方面最新的研究成果及相关信息。
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4. BDL在美国非常受欢迎，有百余所高校和机构使用。

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环境工程

传热

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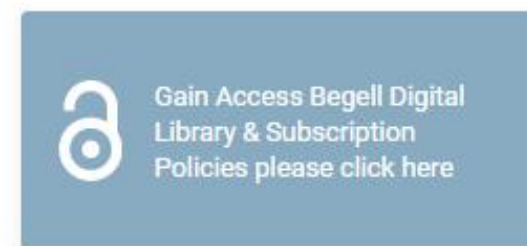
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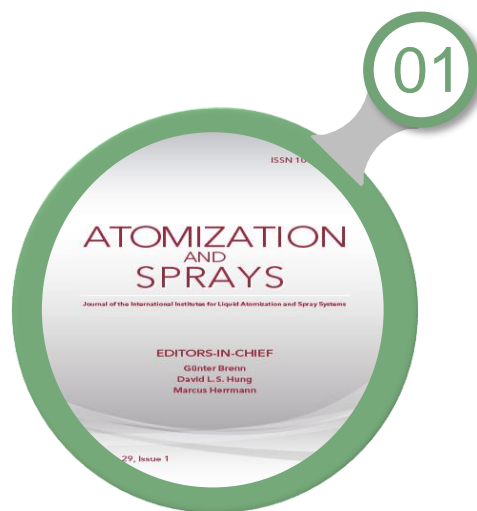
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涉及热能工程、纳米、能源、环境、核科学、动力工程、材料、无线电通讯等学科，汇集了30多年来热能与流体科学领域最先进的理论和工程应用研究成果。

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IF: 1.864

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亚洲主编: David Hung
上海交通大学



合成材料: 力学、计算和应用

俄国及东欧国家的期刊原文&英文原版文章;

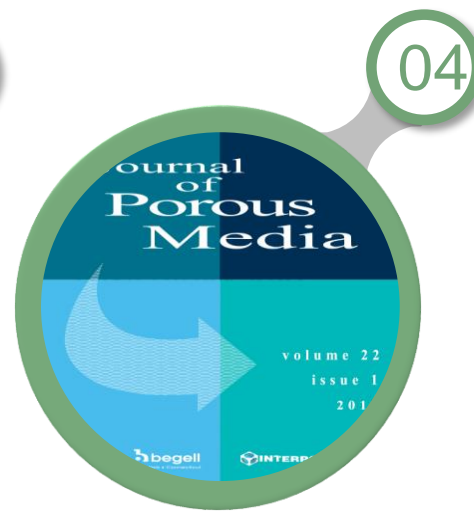
随着纳米科技的发展, 材料学变得愈发重要。合成材料在材料学领域的地位更是关键!



传热研究
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ASME (美国机械工程师学会) 赞助; 翻译俄罗斯、乌克兰和白俄罗斯等国家知名期刊

咨询委员会:
Ping Chen (上海交通大学)
陶文泉 (西安交通大学)



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IF: 1.782

唯一出版多孔介质研究涉及的广泛领域内的评论和 专题研究的期刊。

编辑:
GONGNAN XIE (西北工业大学)
Ping Chen (上海交通大学)



► 中文名称:

《传热研究》

► 出版物介绍:

由ASME（美国机械工程师学会）的传热研究机构赞助，期刊翻译了俄罗斯、乌克兰和白俄罗斯期刊、会议录和实验报告中挑选出的重大技术和实验论文，涵盖了整个传热流域，如传导、对流、辐射、沸腾现象、换热器设计和测试、核反应堆的热转移、传质、地热回收等领域。

Heat Transfer Research

Editors-in-Chief: Yong X. Tao, Oleg Penyazkov

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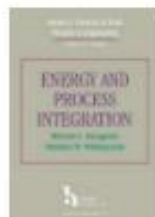
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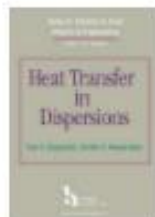
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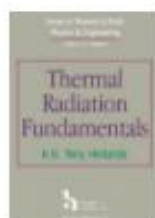
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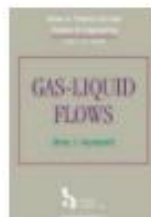
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Air-Cooled Heat Exchangers



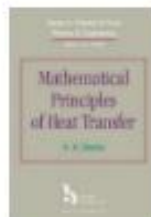
Thermal Radiation
Fundamentals



Contemporary Perspectives
on Flow Boiling Instabilities
in Microchannels and
Minichannels



Gas-Liquid Flows



Mathematical Principles of
Heat Transfer



Practical Thermal Design of
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Exchangers



Thermophysical Properties of
Pure Fluids and Aqueous
Systems at High
Temperatures and High
Pressures



Contemporary Perspectives
on Liquid Cold Plate Design:
Design and Manufacturing
Liquid Cooled Heat Sinks for
Electronics Cooling



Heat Transfer and Fluid Flow
in Microchannels



Practical Heat Transfer



Radiative Transfer in
Combustion Systems:
Fundamentals and
Applications



Validation of Advanced
Computational Methods for
Multiphase Flow

BDL工程包在线数据库

1. Thermopedia™ (热百科) 热百科™
2. The Catalog of Worldwide Nuclear Testing (全球核试验目录)
3. Worldwide Directory of Specialists in Thermal & Fluids Science and Engineering (热流体科学与工程全球专家索引)
4. Heat Exchanger Design Handbook (HEDH) (换热器设计手册)


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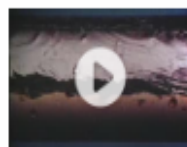
The Most Reliable
Source for Thermodynamics,
Heat Transfer, Fluid Flow

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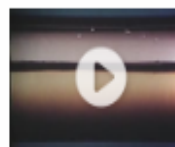


Search for information on heat and mass transfer, fluid flow, thermodynamics and energy

View Thermal and Fluids
Visual Gallery



Plug Flow



Stratified Flow

热百科，源自著名的《传热传质百科全书》
（International Encyclopedia of Heat and
Mass Transfer）的最新版本，目的在于帮助
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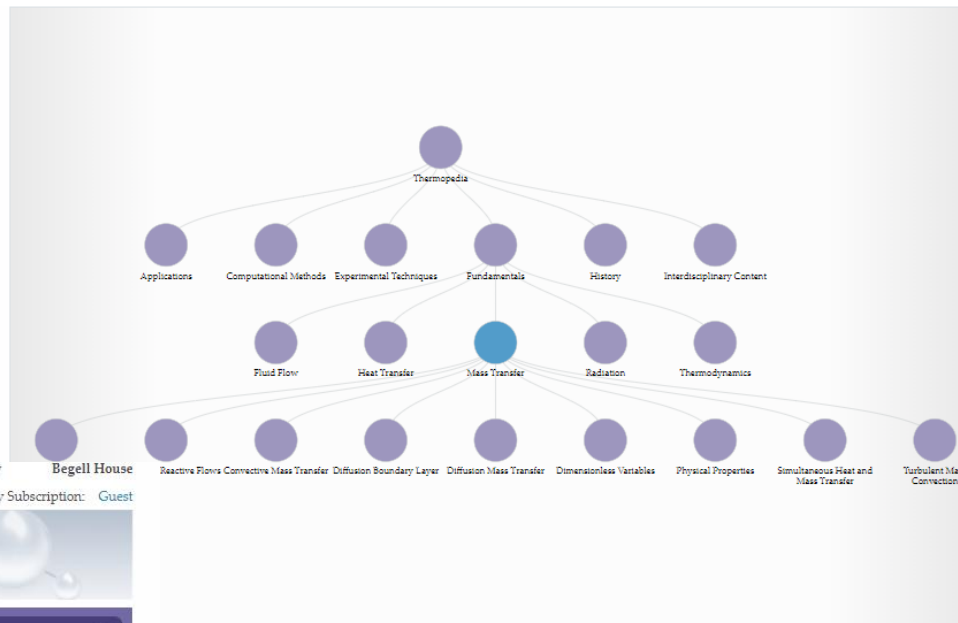
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SUBJECTS

- Thermopedia
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 - Computational Methods
 - Experimental Techniques
 - Fundamentals
 - Fluid Flow
 - Heat Transfer
 - Mass Transfer**
 - Basic Concepts
 - Chemically Reactive Flows
 - Convective Mass Transfer
 - Diffusion Boundary Layer
 - Diffusion Mass Transfer



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Visual Gallery



Annular Dispersed Flow
Gas-Liquid Flow
Hewitt, Geoffrey F.

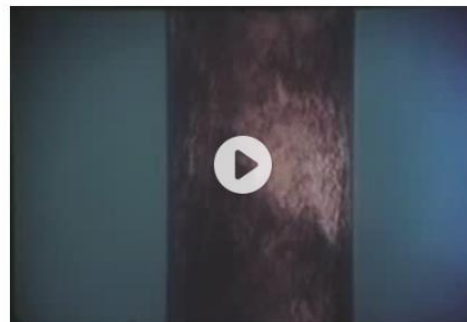


Annular Flow
Gas-Liquid Flow
Hewitt, Geoffrey F.

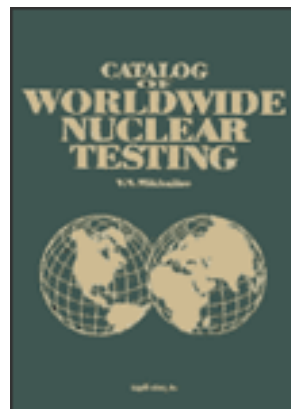


Bottom Flooding
REWETTING OF HOT SURFACES

Random Video



The Catalog of Worldwide Nuclear Testing (全球核试验目录)



由前俄罗斯原子能部长Victor Mikhailov主编，包括美国、前苏联、英国、法国、中国实施的超过2000次核实验的各方面的重要信息和数据，还包括了最近印度和巴基斯坦实施的核实验。被认为是国际上有关领域覆盖最全，最详细的数据收载。



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[HEDH 2008 Print](#)

The Heat Exchanger Design Handbook (HEDH) was first launched in 1983. Since then, it has been continuously updated and now, after two decades and in more than double its original size, remains the **standard reference** source for design and other information on heat transfer, heat exchangers, and associated technologies. Currently, **HEDH** contains more than 6,000 pages of technical information **compiled and edited by the world's foremost specialists** and is presented in **five parts** dealing respectively with:

- Heat Exchanger Theory
- Fluid Mechanics and Heat Transfer
- Thermal and Hydraulic Design of Heat Exchangers
- Mechanical Design of Heat Exchangers
- Physical Properties





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- ▶ 中文名称：
《换热器设计手册》
- ▶ 出版物介绍：
于1983年面世，经过20多年持续不断的更新发展，依然是换热器设计和相关技术的首选参考工具书。内容超过6000页，每季度都会进行同行评审并更新内容。全书共分为5个部分，依次是：
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流体机械和传热研究
换热器的热力和水压设计
换热器的机械设计
物理特性

- 1. Volume 1
 - 1.1. Heat exchanger theory: Description of heat exchanger types
 - 1.1.1. Types of flow configuration
 - 1.1.2. Types of interactions between streams
 - 1.1.3. Types of temperature change pattern
 - 1.1.4. Types of interface between streams
 - 1.1.5. Types of heat exchange equipment
 - 1.1.6. Unsteady operation
 - 1.2. Definitions and quantitative relationships For heat exchangers
 - **1.2.1. Thermodynamics: Brief notes on important concepts**
 - 1.2.2. Flux relationships
 - 1.2.3. Transfer coefficient dependencies
 - 1.2.4. Balance equations applied to complete equipment
 - 1.2.5. The differential equations governing streams

1.2.1

Thermodynamics: Brief notes on important concepts

D. Brian Spalding

A. Temperature

For present purposes, temperature is that property of matter, differences of which are cause of heat transfer. It is an intensive property. Its symbol in this book is T , and it is measured in kelvins (K) or degrees Celsius ($^{\circ}\text{C}$).

B. Specific internal energy

The specific internal energy u of a material is the extensive property which changes as a consequence of heat and work transfers in accordance with the linear relationship

Pressure is here understood as the force that the material exerts on its surroundings, normal to its surface, per unit area of that surface; its units are newtons per square meter (N/m^2). Density is the mass of the material per unit volume; its units are kilograms per cubic meter (kg/m^3).

Specific enthalpy is of particular importance in heat exchanger practice because it enters the steady-flow energy equation

$$\dot{M} \Delta \left(h + \frac{v^2}{2} + g_n z \right) = \dot{Q} - \dot{W}_s \quad (3)$$

where \dot{M} stands for the mass rate of flow (kg/s), Δ again stands for "increase of" ($h + v^2/2 + g_n z$) is the sum of

BDL工程包参考资料

1. Annals of the Assembly for International Heat Transfer Conference 13---Proceedings (第13届国际传热学会年报)
2. International Centre for Heat and Mass Transfer (ICHMT Digital Library)---Proceedings (国际传热传质会议中心数字图书馆)
3. Annual Reviews of Heat Transfer [Volumes 1-20] (ARHT) (传热年鉴网络版 (1-20卷))
4. Electrospinning of Micro- and Nano-Fibers: Fundamentals in Separations and Filtration Processes (微纳米纤维静电纺丝：分离和过滤过程基础理论)

IHTC国际传热大会——传热界的奥林匹克

IHTC 3

1966, Chicago, USA

IHTC 8

1986, San Francisco, USA

IHTC 13

2006, Sydney, Australia

IHTC 4

1970, Paris-Versailles, France

IHTC 9

1990, Jerusalem, Israel

IHTC 15

2014, Kyoto, Japan

IHTC 5

1974, Tokyo, Japan

IHTC 10

1994, Brighton, UK

IHTC 16

2018, Beijing, China

IHTC 6

1978, Toronto, Canada

IHTC 11

1998, Kyongju, Korea

IHTC 17

2023, Cape Town, South Africa

IHTC 7

1982, Munich, Germany

IHTC 12

2002, Grenoble, France


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清华大学承办第16届国际传热大会

航院教授张兴当选国际传热大会常务理事会主席

清华新闻网8月22日电 8月10-15日，由中国工程热物理学会传热传质分会主办、清华大学承办的第16届国际传热大会在北京国家会议中心召开，这是该大会成立67年以来首次在中国举办。第十一届全国政协副主席王志珍、第八届全国自然科学基金委员会副主任谢心澄等多位嘉宾，以及来自40多个国家和地区的1400余位学者出席了会议。清华大学校长邱勇在大会开幕式代表承办单位致欢迎辞。





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International Heat Transfer Conference 13

2006, 13-18 August, Sydney, Australia

The papers presented at the Thirteenth International Heat Transfer Conference, which was held in Sydney, Australia under the joint auspices of the Australasian Fluids and Thermal Engineering Society and Engineers Australia on behalf of the Assembly for International Heat Transfer Conferences. IHTC-13 was the first in this long-running series to be held in the Southern Hemisphere.

IHTC-13 offered 33 Keynote Lectures, including lectures by the winners of the Max Jakob and Donald Q. Kern Awards of ASME and AIChE; 657 contributed papers (all of which were peer reviewed by members of the International Scientific Committee and their colleagues, to whom we are greatly indebted); seven panel discussions; an Open Forum for the presentation of last minute work; and an exhibition of books and journals. There was an extensive programme of social events and technical visits.

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Hui Ying Wu, Ping Cheng

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- Preface
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- ▶ 中文名称：
《第13届国际传热大会年报》
- ▶ 出版物介绍：
第十三届国际传热会议（IHTC-13），是2006年8月在悉尼由澳大利亚热流体工程学会和澳大利亚工程师联合举办，55个国家的836名代表出席。大会共收录29个细分学科领域内的657篇会议论文。所有会议论文都经过了国际科学委员会的权威同行评审。



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The Proceedings of the International Centre for Heat and Mass Transfer represent the publications of the Centre derived from International Seminars, International Schools, Symposia, Short Courses and Forums. These meetings represent an extensive achievement, on an international scale, of the Centre and its mission. Covering all branches of heat and mass transfer, the Proceedings show the pursuit of excellence and the fostering of international cooperation. The coverage of the Proceedings extends from the basic fundamentals to the forefront research in the field of thermofluid engineering, in both industrial and academic, as well as computational fields.

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Tao Ren, Michael F. Modest

CHARACTERIZATION OF NANOSTRUCTURED THERMAL INTERFACE MATERIALS - A REVIEW

- 中文名称：
《国际传热传质中心数字图书馆》
- 出版物介绍：

国际传热传质中心（ICHMT），1968年在南斯拉夫成立，是一家知名的国际学术性组织，目标是在传热传质及其应用领域促进和加强国际间的合作。ICHMT Digital Library收录始于1980年的会议论文集、评论集、论坛等研究数据，涉及热流体工程和计算领域的基础和前沿研究。Begell House 在1994年成为世界上唯一被授权收集所有ICHMT论文的出版社。



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Annual Review of Heat Transfer

Aims and Scope

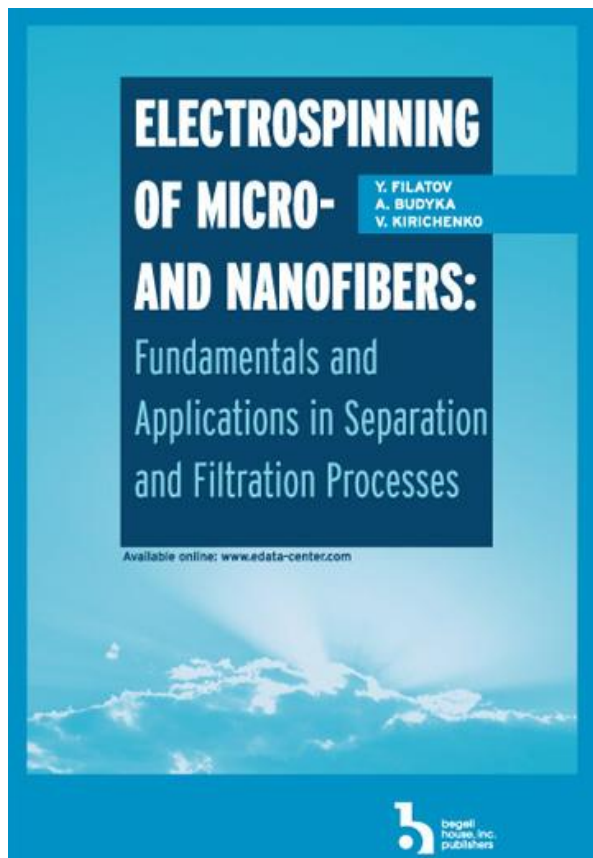
The volumes of Annual Review of Heat Transfer published up to 2005 had been created and edited by Professor Chang-Lin Tien who passed away in 2002. Chang-Lin had an immense and long-lasting impact on the heat transfer community through his pioneering research and community service in heat transfer. This series, itself, is a product of Chang-Lin's leadership and dedicated service. The present Editors decided to use Volume XIV as a bridge between the past and the future, by summarizing Chang-Lin's contributions and reviewing current and future research directions in areas in which Professor Tien made a significant impact. In this volume we have divided his contributions into six topical areas: radiation and combustion, micro/nanoscale heat transfer, phase change and heat pipes, porous media, materials processing and laser materials interactions, and energy systems.

The previous volumes of Annual Review in Heat Transfer reflect all aspects of heat transfer and fluid flow as depicted by an array of the top international specialists in the field. Future volumes are being planned to include the modern achievements in the thermal and fluids sciences.

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- ◆美国名校加州伯克利大学校长
- ◆中国科学院外籍院士
- ◆中国工程院外籍院士

- ▶ 中文名称：
《传热年鉴网络版》
- ▶ 出版物介绍：
由享誉国际的热物理科学家田长霖（1935-2002）教授主编。年鉴包括第1至22卷，由传热和流体流动领域的一批国际权威专家编写，主要分为六个主题领域：辐射燃烧，微/纳米尺度传热，相变和热管，多孔介质，材料加工和激光材料的相互作用，以及能源系统。



中文名称：微纳米纤维静电纺丝：分离和过滤过程基础理论

出版物介绍：本书出版于2007年，包含488页。

唯一出版静电纺丝制备纳米纤维的研究应用的出版物，覆盖防御、核科学、净化空气、生物技术和许多其他科学领域。譬如，应用在原子核电项目中的过滤器就是使用静电纺丝技术。俄罗斯在该技术领域具有领先优势。本资源是该领域研究人员必不可少，也是无法替代的参考资源

本书包含如下主题：

纤维材料的电纺丝机理及结构

纺丝液性能对纤维形成过程及性能的影响

纤维材料(Petryanov过滤器)及其类似物的静电纺丝技术

用纤维过滤器捕获气溶胶粒子的控制关系

等等。。。。。。。

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