



ASME 美国机械工程师学会 数据库

—— 关于使用技巧和期刊投稿

iGroup Training Team





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1. 学协会出版社简介
2. 广东石油化工学院与ASME 出版物
3. ASME 数据库平台检索案例
4. ASME 期刊投稿概要



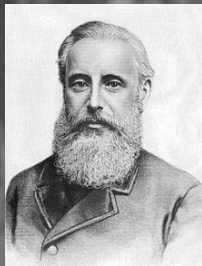
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4. ASME 期刊投稿概要

ASME 成立于1880年



Alexander Lyman Holley
亚历山大·莱曼·霍利
美国著名钢铁工程师、发明家
引入贝塞麦炼钢工艺
ASME创始成员、副主席



Henry R. Worthington
亨利·沃辛顿
美国机械工程师、发明家
发明蒸汽泵、泵送发动机
ASME创始成员、首任副主席



John Edson Sweet
约翰·埃德森·斯威特
美国机械工程师、发明家
制造第一个千分尺卡钳
ASME创始成员
ASME第三任主席 (1884-1885)
1914年荣获约翰·弗里茨奖章
(工程界的诺贝尔奖)



霍利半身像位于
华盛顿广场公园



Holley Medal
霍利奖章
1924年
表彰“工程性质的杰出
和独特的行为……”



Henry R. Worthington Medal
亨利·沃辛顿奖章
1980年
表彰“在泵送机械、系统和概念领域的杰出成就”

学协会出版社特色



主席

专利/发明

第 1 任 Robert H. Thurston	钢铁性能测试三坐标立体图表
第15任 John Fritz约翰·弗里茨	美国钢铁工业之父
第25任 Frederick W. Taylor	科学管理之父
第29任 George Westinghouse	铁路空气制动器
第48任 Elmer Sperry	现代航海技术之父 陀螺稳定器（用于美国海军）

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无国界工程师协会国家指导委员

第134任 J. Robert Sims 罗伯特·西姆斯

美国化学和机械工程师
埃克森美孚公司前研究工程师和发明家



学协会出版社特色

美国机械工程师学会

American Society of Mechanical Engineers

成立于1880年，通过制定专业规范和标准、组织研发活动、联系政府机构、召开会议、出版书刊以及持续的教育训练，来促进全球机械工程及跨学科工程学的技术水平、科学研究和行业运作。现已成为一家国际性非赢利教育和技术组织，也是世界上最大的技术出版机构之一。



成立年份：1880年

会员人数：130,000+

遍布国家：150+

下属研究所：国际燃气涡轮研究所、国际石油技术研究所

学术会议：约40场/年，超过90个国家参会

专业发展课程：约200次/年

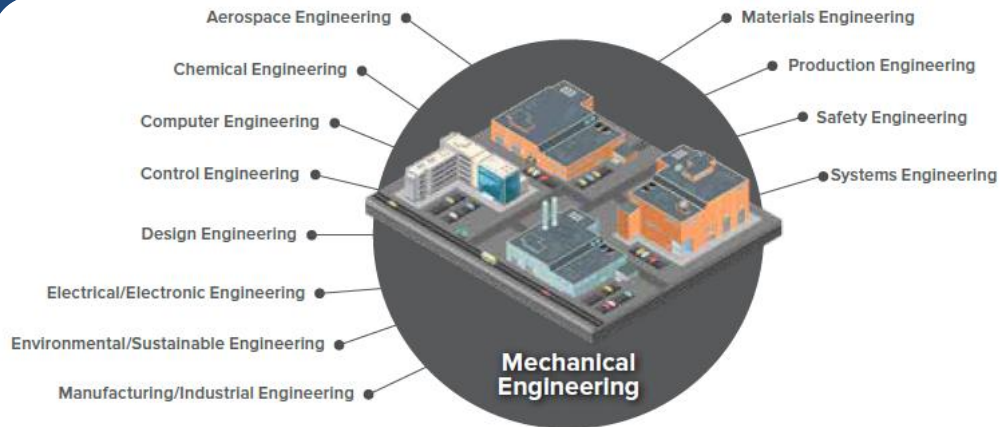
规范和标准：830+



学协会出版社特色



除了 机械工程学科，ASME 学会涉
及许多交叉学科或主题研究领域。



- 航天工程
- 化学工程
- 计算机工程
- 控制工程
- 设计工程
- 电气/电子工程
- 环境/可持续工程
- 制造/工业工程
- 材料工程
-

学协会出版社特色

ASME 美国机械工程师学会与很多其他学协会有出版物或学术论坛、大会展会等合作，共同促进学术成果发展和科技进步。

应用力学
机械设计
能源工程
管线系统
生物医学工程
动力系统与控制工程
计算机在工程中的应用

ASME traditional
sub-disciplines

应用力学
机械设计
能源工程
管线系统
生物医学工程
动力系统与控制工程
计算机在工程中的应用

Cooperate with
ASCE

航空航天
结构动力学
流体力学工程
自适应结构

Cooperate with
AIAA

机电一体化
微电子机械系统
机器人/机器人视觉
先进智能

Cooperate with
IEEE

ASME 机械设计终身成就奖

2020年 ASME Machine Design Award

该奖设立于1958年，是ASME学会的顶级荣誉奖项，也是ASME 设计工程分会的最高奖项。戴建生教授荣获2020年ASME机械设计终身成就奖，是该奖项继1958年ASME机械设计分会（现为设计工程分会）设立该奖项后的第58位获奖者，同时也是获奖名单中的第一位华人。



学协会出版社特色



ASME Yeram S. Touloukian Award

该奖成立于1997年，是国际热物性领域最高学术奖，每三年颁发一次，以表彰在热物理性质领域做出的杰出贡献。该奖项认可的领域包括但不限于机械工程、化学工程、物理和化学。该奖项设立以来共有8人获奖，张卓敏教授是首位华人获奖者。





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广东石油化工学院与ASME出版物

美国机械工程师学会 出版物

ASME Digital Collection Database

ASME Journals

期 刊

ASME Proceedings

会议录

ASME eBooks

电子书

ASME Standards & Codes

标 准



广东石油化工学院与ASME出版物

美国机械工程师学会 出版物

ASME Digital Collection Database

ASME Journals

期 刊



期刊种数：35种

SCI 收录：25 种

更新频率：每年200多期，约3,600篇文章

收录年限：1959 年至今（现刊为2000年至今）

最新创刊：《ASME 开放工程期刊》 *NEW IN 2022*

《自动驾驶车辆和系统期刊》 *NEW IN 2021*

《动态系统与控制快报》 *NEW IN 2021*

《可持续建筑与城市工程杂志》 *NEW IN 2020*

最高影响因子：14.3 《应用力学评论》

最高引用次数：16,149 《应用力学期刊》

10,015 《传热期刊》

重点学科：机械工程、制造工程、海洋工程、力学、热力学、电子电气工程、机器人学、自动化和控制系统、声学、材料科学、能源与燃料、纳米科学和技术、生物医学工程、运筹学和管理工程、核科学技术等。

广东石油化工学院与ASME出版物

美国机械工程师学会 出版物

ASME Digital Collection Database

ASME Journals

期 刊



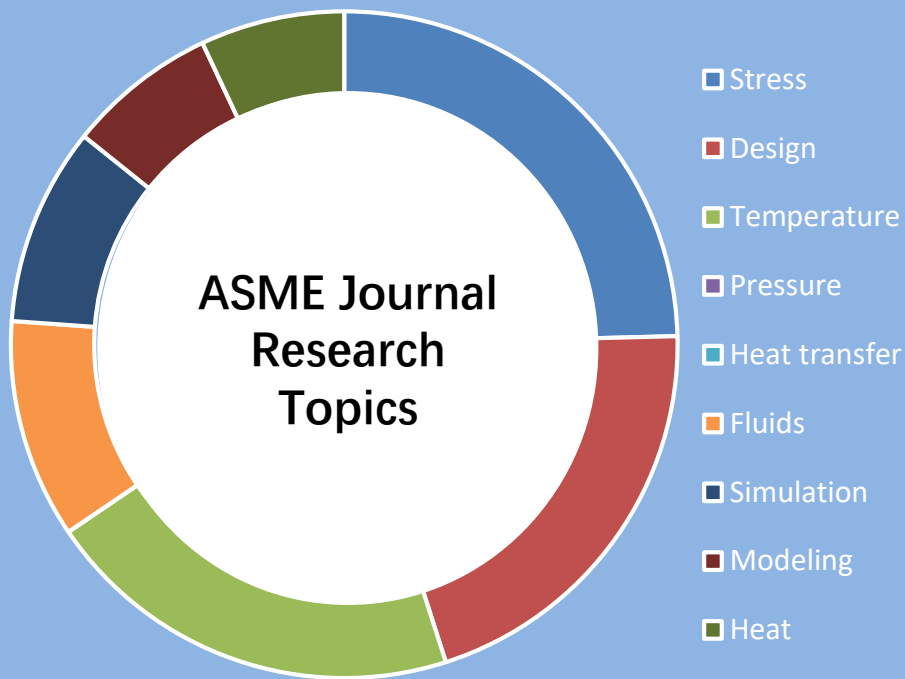
- SCI收录情况：35种期刊，其中25种期刊被SCI收录，另有5种期刊被ESCI收录。
- 2023年度《期刊引证报告TM》数据显示：
 - ✓ ASME 期刊的年度被引用次数超过12万；
 - ✓ 15本期刊影响因子指标超过 2；
 - ✓ 6本期刊影响因子涨幅超过10%；
 - ✓ 5种已被 ESCI 收录的期刊首获期刊影响因子，其中3种期刊影响因子指标超过1。
- SCI区位分布：如ASME经典期刊《应用力学评论》位于JCR Q1分区，最新影响因子14.3，力学领域排名第二。

工程类期刊影响因子的特点

- ◆ 研究-实践-发文周期较长
- ◆ 发文研究人员数量：较其他热门学科少
- ◆ 研究人员和从业者阅读习惯：“只参考、不引用”

期刊研究主题概览

- ① 流体力学
- ② 应力
- ③ 设计
- ④ 温度
- ⑤ 压力
- ⑥ 传热
- ⑦ 流体
- ⑧ 模拟/仿真
- ⑨ 模型/建模
- ⑩ 热传导



广东石油化工学院与ASME出版物



ASME 学会 支持 广东石油化工学院

ASME and Guangdong University Of Petrochemical Technology

- 机电工程学院
- 材料科学与工程学院
- 石油工程学院
- 电子信息工程学院
- 能源与动力工程学院
- 环境科学与工程学院

国家级专业综合改革试点项目：

电气工程及其自动化



广东省级特色专业：

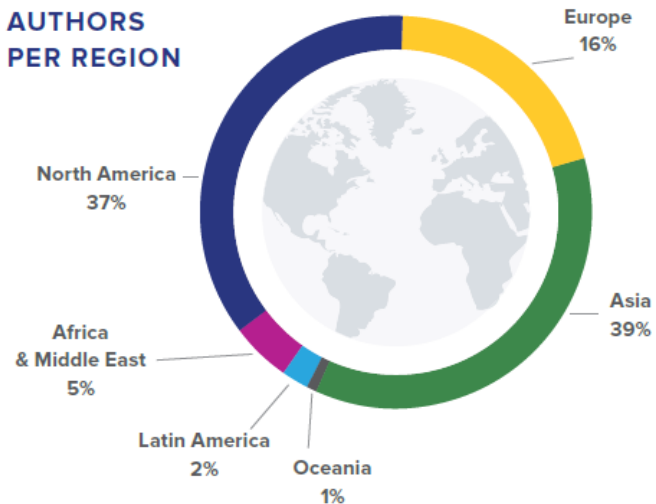
机械设计制造及其自动化、环境工程、能源与动力工程、电气工程及其自动化等

广东省级专业综合改革试点项目： 电气工程及其自动化、机械设计制造及其自动化、环境工程、电子信息工程等

广东省级战略新兴产业特色专业： 能源与动力工程、高分子材料与工程

广东石油化工学院与ASME出版物

AUTHORS PER REGION



发文作者示例：

陈英俊：机电工程学院副教授

研究方向：微机电系统设计及润滑测试技术、非牛顿流体润滑理论

ASME发文示例：会议录

[A Multi-Wavelength Light Interference Method for the Measurement of Lubricating Film Thickness](#)

一种多波长光干涉测量润滑膜厚度的装置及其测量方法

吕运容：机电工程学院教授

研究方向：装备智能化与安全控制、过程装备自动化与智能运维

ASME发文示例：会议录

[The Effect Mechanism of Hydrodynamic Factors on Naphthenic Acid Flow-Induced Corrosion](#)

水动力因素对环烷酸流动腐蚀的影响机制

文江波：石油工程学院副教授

研究方向：油气储运技术

ASME发文示例：期刊

[Thermodynamic and Economic Analysis Between Organic Rankine Cycle and Kalina Cycle for Waste Heat Recovery From Steam-Assisted Gravity Drainage Process in Oilfield](#)



《应用力学评论》 Applied Mechanics Reviews

收录在SCI力学领域，影响因子保持持续增长，2022 IF14.3，排名力学领域第二（2/137），JCR分区Q1。

高品质的评论期刊，汇集了应用力学和工程学所有分支学科的资料。包括高级研究人员撰写的技术进展、教学进展、回顾、调查、评论及世界主要期刊文献的摘要。

检索关键词：

fluid mechanics（流体力学）、solid mechanics（固体力学）、heat transfer（传热）、dynamics（动力学）、vibration（震动）、education（教学培训）、thermal coupling（热耦合）、aerodynamic（气动力）、bearing system（轴承系统）

<http://appliedmechanicsreviews.asmedigitalcollection.asme.org>



2022

影响因子

14.3

同比上涨

26%

广东石油化工学院与ASME出版物



国内外研究人员机构：

帝国理工学院

加州理工大学

普渡大学

华盛顿大学

弗吉尼亚大学

清华大学

西北大学

上海大学

力学研究所

Latest Podcast



January 23, 2019

Applied Mechanics Reviews Audio Interview: Prof. Kenneth Liechti

44 minutes, 53 seconds



Prof. Ken Liechti of University of Texas at Austin is an award-winning authority on the mechanics of interfaces, describing bonding, unbonding, and crack propagation using innovative experimental techniques with applications to thin film mechanics and graphene transfer. Pipe Major Emeritus of the Silver Thistle Pipes and Drums band out of...[More](#)

[View All Podcasts](#)



2022

影响因子

14.3



《可持续建筑与城市工程杂志》

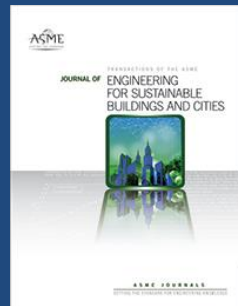
Journal of Engineering for Sustainable Buildings and Cities

应用领域：

关注城市可持续发展工程领域，涉及集成创新技术、相关建筑构件和能源设备、建筑能源建模工具、高效组合与电力、经济高效的建筑专用储能系统，以及建筑物内操作机械能系统的先进的优化控制和策略等。

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=34&Journal=JESBC>



最新期刊—
2020年全
新上线！

《自动驾驶车辆和系统期刊》

Journal of Autonomous Vehicles and System sties

应用领域：

人工智能和机器学习应用于自动驾驶汽车；人工智能模仿人类智能进行自我操作、共享心智和协作的多物理环境模型；用于自主操作、规划、全球定位、导航和定位、决策、控制和观察的智能感知和认知架构；建模、仿真和设计自动驾驶汽车系统，以实现不同级别的自动驾驶； Vehicle-to-X 交互；操作员与车辆的交互；主动有效载荷模型；自主车辆模拟和设计中的输入/输出和环境模型等。

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=37&Journal=JAVS>



最新期刊—
2021年全
新上线！



《ASME 动态系统与控制快报》

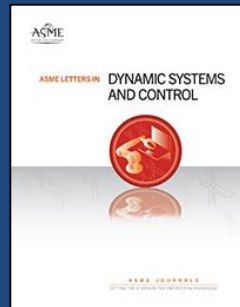
ASME Letters in Dynamic Systems and Control

应用领域：

汽车系统、生物医学工程、动力系统与控制、能源、环境工程、内燃机、制造与加工、纳米技术、噪声控制与声学、海洋、近海与北极工程、可再生能源、机器人与机电一体化、交通运输。

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=35&Journal=ALDSC>



最新期刊—
2021年全
新上线！



《ASME 开放工程期刊》

ASME Open Journal of Engineering

应用领域：

先进能源系统、航空航天、应用力学、生物工程、计算机与工程信息、设计工程、动态系统与控制、电子与光子封装、能源与发电、环境工程、流体动力系统、流体工程、燃气轮机、传热、纳米技术、噪声控制和声学、无损评估、核工程、海洋、近海和北极工程、管道系统、工厂工程和维护、压力容器和管道、轨道交通、机器人和自动化、安全和风险分析、太阳能、固体废物处理、可持续工程、摩擦学等。

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=38&Journal=AOJE>



**OA新刊—
2022年全
新上线!**



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如何访问ASME数据库平台

Guangdong University of Petrochemical Technology Library

您所在位置: 【电子资源】 外文数据库 正文 发布时间: 2013-05-31 点击次数: 9159

ASME (美国机械工程师学会)

数据库名称	ASME (美国机械工程师学会)
访问地址	http://asmedigitalcollection.asme.org/
文献类型	电子期刊 (全文)
收录年限	2000年至今的全文
学科范围	基础工程、制造、系统设计等学科领域
数据库简介	ASME (American Society of Mechanical Engineers) 美国机械工程师学会成立于1880年, 现今她已成为一家拥有全球超过127,000会员的国际性非赢利教育和技术组织。ASME数据库主要包含30种专业期刊 (全文), 涵盖基础工程、制造、系统设计等学科领域内容。可以查看2000年至今的电子期刊全文。此外, 也拥有工业和制造行业的相关标准、会议录和电子图书 (本馆没有购买)。
订购内容	全库 (30种期刊) 开通时间: 2023.01.01-2025.12.31。
注意事项	1、使用指南: https://www.igroup.com.cn/asme/ 2、ASME培训课件等资料.rar 3、登录方式: 校园网 IP自动登录 4、目前已停订, 仅部分资源可用。
咨询反馈	咨询QQ: 1781034315; 邮箱 (E-mail): lib@gdpuet.edu.cn ; 电话: 2923760转760

<https://lib.gdpuet.edu.cn/>

ASME 数据库主页:

<https://asmedigitalcollection.asme.org/>



ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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Sign In Via Your Institution

The ASME Digital Collection
COVID-19 Resource Page
ASME's authoritative, online reference of current and archival literature. It provides unparalleled depth, breadth, and quality of peer-reviewed content including journals, conference proceedings and ASME Press books. Read more...

Featured Content

- J. Eng. Sustain. Bldgs.
- J. Auton. Veh. Sys.
- IMECE
- Conf. Video Collection
- New Online Guide
- New Edition

数据库平台检索案例



平台主页

期刊/会议录/电子书/标准/主题集合/资源

ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Cart Digital Resource Acquisition Alliance.- DRAA Consortia Maryann Igroup

Journals Conference Proceedings eBooks Standards Topic Collections Resources

Search... All Content Advanced Search

The ASME Digital Collection

[COVID-19 Resource Page](#)

ASME's authoritative, online reference of current and archival literature. It provides unparalleled depth, breadth, and quality of peer-reviewed content including journals, conference proceedings and ASME Press books. [Read more...](#)

Featured Content

<p>Open J. Engineering</p>	<p>J. Eng. Sustain. Bldgs.</p>	<p>J. Auton. Veh. Sys.</p>	<p>IMECE</p>	<p>New Online Guide</p>	<p>New Edition</p>
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输入关键词，一键式快速检索

平台及功能介绍

特色内容

数据库平台检索案例

平台主页

最新资讯内容

Newest Content



Journal of Electrochemical Energy Conversion and Storage,
May 2023, Volume 20, Issue 2



Journal of Turbomachinery, May 2023, Volume 145, Issue 5



ASME 2022 International Mechanical Engineering Congress
and Exposition



ASME 2022 4th International Offshore Wind Technical
Conference



Pressure Oscillation in Biomedical Diagnostics and Therapy



Ageing and Life Extension of Offshore Facilities

主题集合

Topic Collections

- Aerospace Industry
- Applied Mechanics
- Automotive Systems
- Biomechanical Engineering
- Biomedical Engineering
- Boilers & Pressure Vessels
- Building & Construction
- Careers
- Computer-Aided Design (CAD)
- Computers & Information in Engineering
- Conventional Power & Fuels
- Defense Industry
- Design Engineering
- Dynamic Systems & Control
- Electronic & Photonic Packaging
- Energy
- Engineering Technology Management
- Environmental Engineering
- Fluids Engineering
- Heat Transfer
- Internal Combustion Engines
- Manufacturing & Processing
- Nanotechnology
- Noise Control & Acoustics
- Nondestructive Evaluation
- Nuclear Engineering

[See all topic collections](#)



数据库平台检索案例

平台主页

链接至会议录主页

纳米生物系列专著系列图书

教师职位服务



About ASME Conference Publications and Proceedings

The requirement to publish has increased the visibility of conferences as the first venue to present and publish research. Taking this into account, ASME's primary commitment is to the integrity and quality of conference proceedings publishing. [Learn more about ASME Conference Publications and Proceedings...](#)



BioNano Monographs Series

Select *BioNano Monographs* from the Series list.



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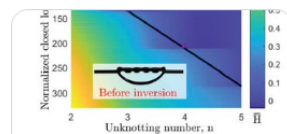


Fig. 9 Phase diagram of unknotting number n versus inversion point with $\mu = 0.1$ and $\lambda = 1.6$ mm



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Fig. 9. Phase diagram of an overhand knot as a function of the number of crossings n and the length l .

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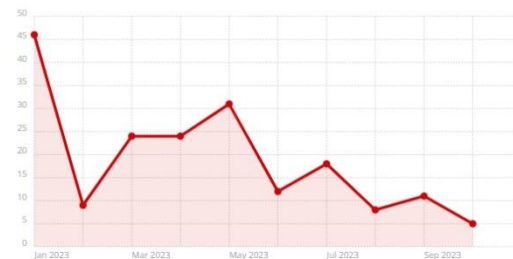
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Autonomous vehicles and systems are integrated, physical, mechatronic systems in multiple domains. Efficient and integrated multi-domain and multi-disciplinary techniques are required to enable optimized vehicle systems. One of the motivations in promoting cross-disciplinary quantum and classical engineering system research and development is to pave the way for the development of new classes of advanced autonomous vehicles and robotic systems, integrated and compatible/adaptable with emerging quantum technologies in an optimized manner. Once quantum computers become more accessible to the general engineering community, it is envisioned that robots and autonomous systems, once equipped with quantum computers and quantum computing capabilities, will require tighter cooperation, and will be expected to be controlled and communicate with appropriate corresponding quantum-enabled communication systems (e.g., using quantum entanglement, cryptography, and teleportation techniques) in highly-integrated multi-agent robotic networking scenarios. These "hybrid" classical/quantum systems may hold significant promise for the most efficient and optimized solutions in many future autonomous vehicle applications.

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