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深入工程研究的首选工具

Kane Gu, Ph.D.

产品经理

2019年9月



提纲

- Ei Compendex 内容概况
- 期刊/会议论文集评选标准
- 出版伦理及重评估项目
- 致期刊编辑及作者/研究工作者的建议
- Q&A





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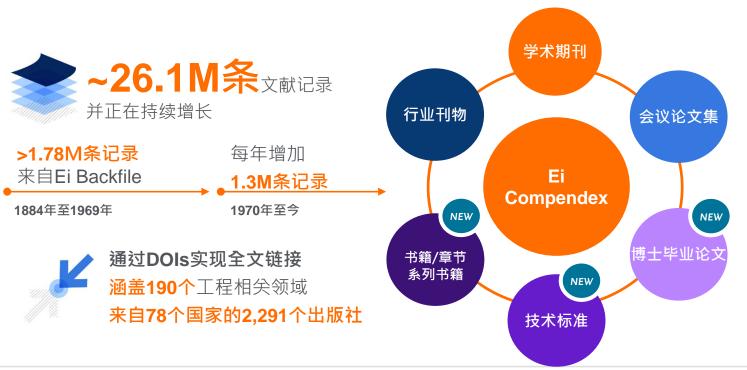


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涵盖多样化的内容



Artificial Intelligence (人工智能)

Intelligence demonstrated by machines



Neural Networks (神经网络)

Computing systems inspired by biological neural networks



Industry 4.0 (工业4. 0)

The current trend of automation and data exchange in manufacturing technologies



Corrosion (腐蚀)

The gradual destruction of materials by chemical and/or electrochemical reaction with their environment



Biomechanics (生物力学)

The study of the structure and function of the mechanical aspects of biological systems using the methods of mechanics



3D Printing (3D打印)

Creation of a three-dimensional object by joining/solidifying materials under computer control



Optical Waveguides (光波导)

The key elements of photonic devices to process optical signals.



Steel (钢铁)

A major component used in buildings, infrastructure, tools, ships, automobiles, machines, appliances, and weapons.



Secondary Batteries (二级电池)

A type of electrical battery which can be recharged many times after use



Nanotechnology (纳米技术)

Molecular motors: nature's nanomachines



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ICISC









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ASTM, ASCE,

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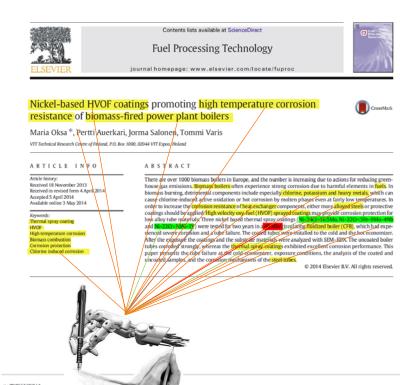








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索引 — 实现精确搜索、提高查全率





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Comparison of geotechnical properties from large-diameter long cores and borings in deep water Gulf of Mexico

Abstract: Large-diameter long piston cores (Jumbo Piston Corer, JPC) and Large-diameter Gravity Cores (LGC) were taken immediately adjacent to previously drilled geotechnical borings at three floating platform sites: Auger, Jolliet, and Marlin. This task was included as part of a more comprehensive NSF program on seabed processes in the deep water Gulf of Mexico. Sediment properties measured included bulk density, magnetic susceptibility, compression wave velocity, vane shear strength, and unconsolidated-undrained triaxial strength. A comprehensive geotechnical-testing program confirms the samples are high quality and shear strengths within the 63-ft core depth were comparable to the results of tests on the geotechnical borings. The exception occurred when gassy deposits were encountered. The use of the LGC and Multi-Sensor Core Logger (MSCL) in conjunction with the JPC proved to be valuable in assessing the quality and continuity of the piston cores. At the Auger and Marlin sites, there was good agreement between the sediment properties obtained from the borings and cores over the cored depth of 63 ft. At the Jolliet site, the values of strength obtained from the core in the upper 10 to 20-ft. were considerably higher than those obtained from the nearby boring. With modifications, the long coring system can be extended to take 100-ft samples. The use of large-diameter piston and gravity cores can provide an economical alternative to traditional borings for the design of shallow foundations for subsea completions, pipelines, suction caissons, and identification of geohazards.

Controlled terms: Core drilling - Density (specific gravity) - Geotechnical engineering - Hazards - Magnetic susceptibility - Mooring - Offshore pipelines - Petroleum geology - Production platforms - Sediments - Shear strength

Uncontrolled terms: <u>Compression wave velocity</u> - <u>Geotechnical properties</u> - <u>Large diameter long piston cores</u> - <u>Sensor core logger</u>

Classification code: 481.1 Geology - 483.2 Foundations - 511.1 Oil Field Production Operations - 674.2 Marine Drilling Rigs and Platforms - 701.2 Magnetism: Basic Concepts and Phenomena - 931.2 Physical Properties of Gases, Liquids and Solids

Numerical data indexing: Size 1.92e+01m, Size 3.05e+00m to 6.10e+00m, Size 3.05e+01m



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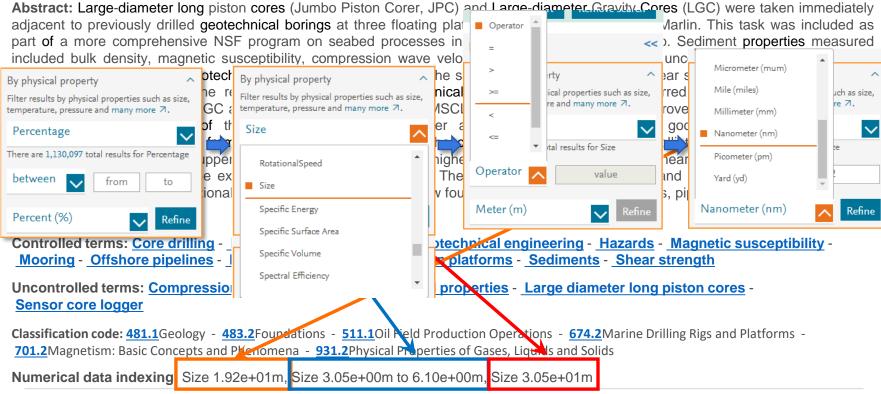
Uncontrolled terms: <u>Compression wave velocity</u> - <u>Geotechnical properties</u> - <u>Large diameter long piston cores</u> - <u>Sensor core logger</u>

Classification code: 481.1 Geology - 483.2 Foundations - 511.1 Oil Field Production Operations - 674.2 Marine Drilling Rigs and Platforms - 701.2 Magnetism: Basic Concepts and Platforms - 931.2 Physical Properties of Gases, Liquids and Solids

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Comparison of geotechnical properties from large-diameter long cores and borings in deep water Gulf of Mexico





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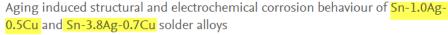
化学索引

Controlled indexing for inorganic chemical compounds, alloys and materials

- 非化学计量和句法
- ●大小写导致的搜索噪音:如 Indium (In) 或 "in this paper"
- ●特殊符号: Ba(Zr0.1Ce0.7Y0.2)O3-δ
- •命名法: iron(III) chloride

Ei 索引例:

Magnesium alloys (Mg)
Neodymium alloys (Nd)
Zinc alloys (Zn)
Zirconium alloys (Zr)



Kaushik, Raj K. 1; Batra, Uma 1 ☐; Sharma, J.D. 1

Source: Journal of Alloys and Compounds, v 745, p 446-454, May 15, 2018; ISSN: 09258388; DOI: 10.1016/j.jallcom.2018.01.292; Publisher: Elsevier Ltd

Author affiliation: ¹ Dept. of Materials and Metallurgical Engineering, PEC University of Technology, Chandigarh; 160012, India

Abstract: The electrochemical corrosion behaviour of Sn-1.0Ag-0.5Cu (SAC105) and Sn-3.8Ag-0.7Cu (SAC387) solder alloys, isothermally aged at 120 °C for two different time periods of 4 h and 72 h, has been investigated in 0.5 M NaCl solution using potentiodynamic polarization measurements and electrochemical impedance spectroscopy. The aging of SAC105 and SAC387 results in significant changes in morphology, size and distribution of intermetallic compounds Cu65n5and Ag35n. This study reveals that SAC387 has more corrosion resistance than SAC105 for both aging time periods of 4 hrs and 72 h. SAC105 solder alloy after aging for 72 h became significantly more corrosion resistant than SAC387 aged for 4 hrs. SAC105 and SAC387 aged for 72 hrs exhibit increased charge transfer resistance (Rct), the impedance value, and maximum bode phase angle. This study signifies that an aging process combined with Ag content in SAC solder alloys can be exploited to enhance the corrosion resistance making them suitable for electronic devices used in harsh environments.

Main heading: Lead-free solders

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Controlled terms: Aging of materials - Binary alloys - Charge transfer - Chlorine compounds - Copper alloys - Corrosion - Corrosion resistance - Corrosion resistant alloys - Corrosive effects - Electrochemical corrosion - Electrochemical impedance spectroscopy - Intermetallics - Silver alloys - Tin alloys - Sodium chloride - Soldering alloys - Spectroscopy - Ternary alloys



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Abstract

Detailed

 Experimental study on the wear behavior of HVOF sprayed nickel-based coating

Compendex Refs 30

Zheng, Chao (College of Mechanical and Electronic Engineering, China University of Petroleum (East China), Qingdae 266580, China); Liu, Yonghong; Qin, Jie; Ji, Renjie; Zhang, Shihong

Database: Compendex

30 references in Compendex:

Conference name: 10th International Conference on Communication Systems and Networks, COMSNETS 2018

Conference date: January 3, 2018 - January 7, 2018

Conference location: Bangalore, India

Conference code: 223079

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Active/inactive nanocomposites as anodes for Li-ion batteries (Open Access)

Mao, O. (Dalhousie Univ, Halifax, Canada); Turner, R.L.; Courtney, I.A.; Fredericksen, B.D.; Buckett, M.I.; Krause, L.J.; Dahn, J.R. Source: Electrochemical and Solid-State Letters, v 2, n 1, p 3-5, lan 1999

Database: Compendex

Document type: Journal article (JA)

Funding Details:

Number	Acronym	Sponsor
CMS-	NSF	National Science Foundation
0305594		

Funding text:

This work was supported by the **National Science Foundation** under Grant No. CMS-0305594, the PSC CUNY fund, and the Graduate Center of CUNY.



定义广泛的词在综合性数据库中会产生检索噪音

Cumulative damage in fatigue

EWC Wilkins - Colloquium on Fatique/Colloque de Fatique 1956 - Springer Cumulative damage in fatigue is a problem which in recent years has become of interest to designers in almost all branches of structural engineering. To the aircraft designer however especially under present-day conditions of operation—it is of paramount importance. During

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The **fatigue** severity scale: application to systemic lupus erythematosus

LB Krupp, NG LaRocca, J Muir-Nash... - Archives of

 Fatique is a prominent disabling symptom in a variet To facilitate research in this area, we developed a fatig of internal consistency and validity, and used it to com

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By: Fallah, Razieh; Shoroki, Fatemeh Fazeli; Sekhavat, Leila IRANIAN JOURNAL OF CHILD NEUROLOGY Volume: 12 Issue: 1 Pages: 47-54 Published: WIN 2018 View Abstract

The chronic **fatique** syndrome: a compre Hamadan, Western Iran

K Fukuda, SE Straus, I Hickie ... - Annals of internal The complexities of the chronic fatigue syndrome and associated with its study indicate the need for a compr approach to the evaluation, classification, and study of

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By: Mamani, Mojgan; Majzoobi, Mohammad Mahdi; Keramat, Fariba; et al.

JOURNAL OF RESEARCH IN HEALTH SCIENCES Volume: 18 Issue: 1 Article Number: UNSP e00406 Published: WIN 2018

View Abstract

Reliability of Reinforced Concrete Structures Subjected to Corrosion-Fatigue and Climate Change

By: Bastidas-Arteaga, Emilio

INTERNATIONAL JOURNAL OF CONCRETE STRUCTURES AND MATERIALS Volume: 12 Issue: 1

Article Number: UNSP 10 Published: DEC 2018

8 Free Full Text from Publisher

View Abstract



1982 Medicine and Science

in Sports and Exercise

14(5), pp. 377-381

6512



study

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Cumulative dama	age in	fatigue The MOS 36-item short-form health survey (Sf-36): I. Ware, J.E., Sherbourne, C.D. 1992 Medical Care conceptual framework and item selection 30(6), pp. 473-483		21038			
EWC Wilkins - Colloc Cumulative damage designers in almost a	1. Tatigue damage in angle-ply GFRP laminates under tension-tension fatigue						
especially under pres		Movahedi-Rad, A. Vahid (Composite Construction Laboratory (CCLab), Ecole Polytechnique Fédérale de Lausanne (EPFL), Station 16,					
☆ 切 Cited by 5		Bâtiment BP, Lausanne; CH-1015, Switzerland); Keller, Thomas; Vassilopoulos, Anastasios P. Source: International Journal of Fatigue, v 109, p 60-69, April 2018					
The fatigue sev		Database: Compendex					
systemic lupus (LB Krupp, NG LaRoo		Detailed Show preview ✓ Cited by in Scopus (1) Full text ✓ Check Local Full-text					
 Fatigue is a promir To facilitate research 			ice	6512			
of internal consistence ☆ 切り Cited by 3:	2	Thermal fatigue loading for a type 304-L stainless steel used for pressure water reactor: Investigations on the effect of a nearly perfect biaxial loading, and on the cumulative fatigue life	ise				
TI I : 5-4		Fissolo, Antoine (Commissariat l'Energie Atomique Saclay, Direction des Etudes Nucléaires DM2S/SEMT/LISN, 91191 Gif sur Yvette, France);					
The chronic fati study		Stelmaszyk, Jean Marc; Gourdin, Cédric; Bouin, Pauline; Pérez, Grégory Source: Procedia Engineering, v 2, n 1, p 1595-1604, April 2010,	al.	6492			
K Fukuda, SE Straus		Fatigue 2010 Database: Compendex	iai	0472			
The complexities of t associated with its st approach to the eval		Detailed Show preview ✓ Cited by in Scopus (7) Full text ☐ Check Local Full-text					
☆ 切り Cited by 5							
1	3	Mechanical fatigue in aluminium at elevated temperature and remaining life prediction based on natural frequency evolution					
		Khan, M.A. (Department of Engineering Sciences, PN Engineering College, National University of Sciences and Technology, Karachi, Pakistan); Khan, S.Z.; Sohail, W.; Khan, H.; Sohaib, M.; Nisar, S. Source: Fatigue and Fracture of Engineering Materials and Structures, v 38, n 8, p 897-903, August 1, 2015 Database: Compendex					
		Detailed Show preview ✓ Cited by in Scopus (1) Full text ✓ Check Local Full-text					
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例1: IEEE Transactions on Pattern Analysis and Machine Intelligence (ISSN: 0162-8828)

Image Super-Resolution Using Deep Convolutional Networks

Chao Dong; Chen Change Loy; Kaiming He; Xiaoou Tang View All Authors 29923 Patent Full Citations Citation Text Views Abstract: Abstract We propose a deep learning method for single image super-resolution (SR). Our method directly learns an end-to-end mapping between the low/high-resolution images. The mapping is represented as a deep Document Sections convolutional neural network (CNN) that takes the low-resolution image as the input and outputs the high-1 Introduction resolution one. We further show that traditional sparse-coding-based SR methods can also be viewed as a deep convolutional network. But unlike traditional methods that handle each component separately, our 2 Related Work method jointly optimizes all layers. Our deep CNN has a lightweight structure, yet demonstrates state-of-3 Convolutional Neural the-art restoration quality, and achieves fast speed for practical on-line usage. We explore different network Networks for Superstructures and parameter settings to achieve trade-offs between performance and speed. Moreover, we Resolution extend our network to cope with three color channels simultaneously, and show better overall reconstruction quality. 4 Experiments 5 Conclusion Published in: IEEE Transactions on Pattern Analysis and Machine Intelligence (Volume: 38, Issue: 2, Feb. 1 2016) Authors Page(s): 295 - 307 INSPEC Accession Number: 15696935 Figures



References

Citations

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ISSN Information:

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Publisher: IEEE

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Abstract Due: 25 July 2018

Author Notification: 1 October 2018

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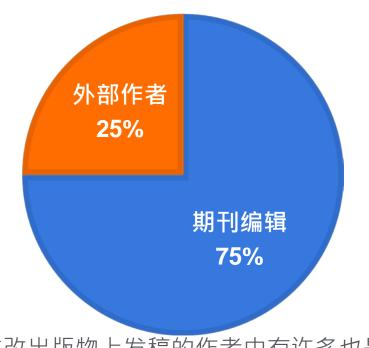
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ABSTRACT

Inappropriate authorship and other fraudulent publication strategies are pervasive. Here, I deal with contribution disclosures, authorship disputes versus plagiarism among collaborators, kin co-authorship, gender bias, authorship trade, and fake peer review (FPR). In contrast to underserved authorship and other ubiquitous malpractices, authorship trade and FPR appear to concentrate in some Asian countries that exhibit a mixed academic pattern of rapid growth and poor ethics. It seems that strong pressures to publish coupled with the incessantly growing number of publications entail a lower quality of published science in part attributable to a poor, compromised or even absent (in predatory journals) peer review. In this regard, the commitment of Publons to strengthen this fundamental process and ultimately ensure the quality and integrity of the published articles is laudable. Because the many recommendations for adherence to authorship guidelines and rules of honest and transparent research reporting have been rather ineffective, strong deterrents should be established to end manipulated peer review, undeserved authorship, and related fakeries.

Keywords: Fake Peer Review; Inappropriate Authorship; Authorship Trade; Retractions; Publication Ethics



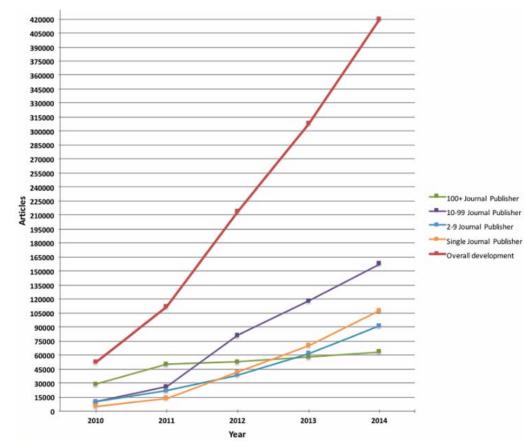


Fig. 3 The development of predatory open access article volumes from 2010 to 2014

来源:

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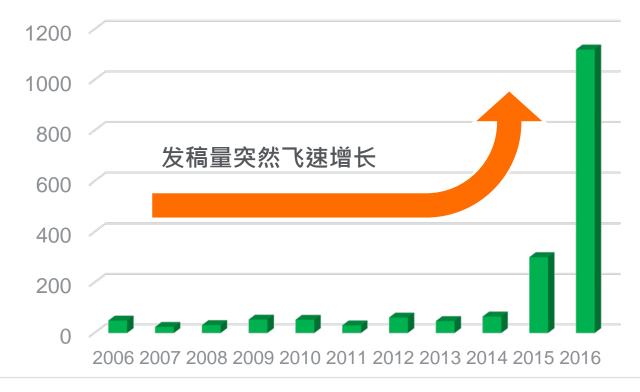
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