

STN[®]

PQSCITECH

Une vaste source d'informations
scientifiques et techniques

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CAPADOC



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and Chemical Abstracts Service, U.S.A.

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Agenda

- Couverture de Pqscitech
- Les champs de recherche
 - File segment
 - Vocabulaire contrôlé
- Recherche de propriétés numériques
- Pqscitech dans les clusters
 - Index
- Profils

Couverture de Pqscitech

Electronics &
Tele-
communication

Biology
Health
Sciences

Geosciences

Aerospace

Material
Sciences

Computer
Sciences

Mechanical &
electrical
engineering

Physics

Environmental
Sciences

PQSciTech

une source importante d'informations
scientifiques et techniques

- Contenu agrégé de 25 banques de données CSA

Engineering & Materials

SOLIDSTATE EMA METADEX
COPPERLIT CORROSION
ALUMINIUM CORROSION MATBUS

Lifescience , Health &
Environment

HEALSAFE AQUASCI OCEAN
LIFESCI POLUAB
BIOENG WATER AQUALINE

Mobility

AEROSPACE ANTE

CERAB ENVIRONENG ELCOM
CIVILENG COMPUAB
LISA
CONFSCI

Computer
Science

Construction

Humanities

25 banques de données CSA (Cambridge Scientific Abstracts) regroupées dans PQSCITECH

- **AEROSPACE** - Aerospace and High Technology Database (also available as separate database)
- **ALUMINIUM** - Aluminum Industry Abstracts
- **ANTE** - Abstracts in New Technologies and Engineering
- **AQUALINE** - Hydrological cycle literature
- **AQUASCI** - CSA Aquatic Sciences and Fisheries Abstracts
- **BIOENG** - Biotechnology and Bioengineering Abstracts
- **CERAB** - Ceramic Abstracts/World Ceramic Abstracts
- **CIVILENG** - Civil Engineering Abstracts
- **COMPUAB** – Computer and Information Systems Abstracts
- **CONFSCI** - Conference Papers Index
- **COPPERLIT** - Copper Data Center Copper Literature Database
- **CORROSION** - Corrosion Abstracts
- **ELCOM** - CSA Electronics and Communications Abstracts

- **EMA** - Engineered Materials Abstracts
- **ENVIROENG** - Environmental Engineering Abstracts
- **HEALTHSAFE** - CSA Health and Safety Science Abstracts
- **LIFESCI** - Life Sciences Collection
- **LISA** - Abstracts in Library and Information Science
- **MATBUS** - Materials Business File
- **MECHENG** - Mechanical and Transportation Engineering Abstracts
- **METADDEX** - Metals Abstracts/Alloy Index (also available as separate database)
- **OCEAN** - Oceanic Abstracts
- **POLLUAB** - Pollution Abstracts
- **SOLIDSTATE** - Solid State and Superconductivity Abstracts
- **WATER** - Water Resources Abstracts

Les contenus d'AEROSPACE et METADDEX ont été intégrés à PQSCITECH mais restent également accessibles séparément.

PQSCITECH

ProQuest Science & Technology

Producteur	• Cambridge Scientific Abstracts
Contenu	• Multidisciplinaire
Couverture	• 1962 -
Taille	• 27,2 millions de références
Mise à jour	• Mensuelle
Caractéristiques	• CT, CW, CC, NPS

PQSCITECH : document types (/DT)

- Journaux, revues 53%
- Conférences 23%
- Brevets 21%
- Rapports, livres, thèses 3%

- Limitation aux conférences => **S L1 AND C/DT**
- Elimination des brevets => **S L1 NOT P/DT**

Référence Pqscitech

ACCESSION NUMBER: 2012:708932 PQSCITECH
DOCUMENT NUMBER: 16842963
TITLE: Experimental and Simulating Study on Linear Induction Launcher
AUTHOR(S) : Yang, B
CORPORATE SOURCE: Inner Mongolia Electric Power Research Institute, Hohhot 010021, China
EMAIL: bf.y@163.com
SOURCE: Gaodianya Jishu / High Voltage Engineering. Vol. 38, no. 4, pp. 956-962. Apr 2012.
ISSN: 1003-6520
DOI: 10.3969/j.issn.1003-6520.2012.04.026
Published by: High Voltage Research Institute of State Power Corporation
DOCUMENT TYPE: Journal; Article

FILE SEGMENT: Electronics and Communications Abstracts (EA); Aluminium Industry Abstracts (AI)

LANGUAGE: Chinese
SUMMARY LANGUAGE: Chinese; English
ENTRY DATE: Entered STN: 6 Sep 2012
Last updated on STN: 6 Sep 2012

Information
bibliographique

File Segment



Référence Pqscitech

ABSTRACT:

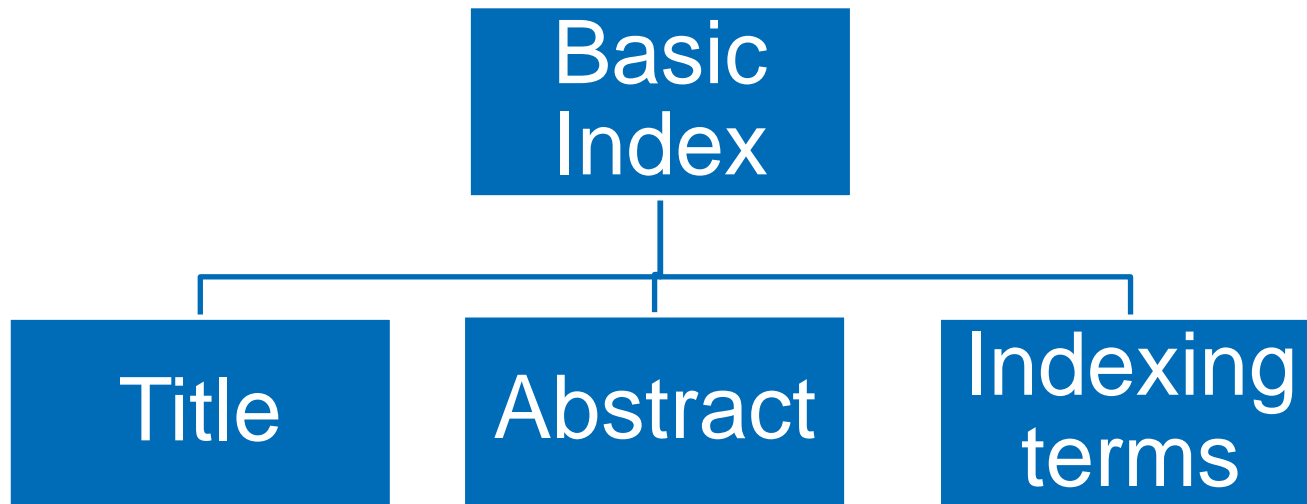
To explore experimental methods and analysis means for the linear induction launcher, we designed and manufactured a linear induction launcher to carried out experimental research and simulation analysis. Moreover, we established a mesh matrix model of the linear induction launcher to analyze the dynamic performance of the secondary, voltage and current waveforms, the energy conversion ratio and the heating effect of currents. Using a two level voltage source inverter as power supply, we accelerated the launcher with a 0.275 kg aluminum alloy secondary to 18.75 m/s within the 0.96 m linear distance. The measured muzzle velocity accorded with the calculated muzzle velocity, and the measured voltage and current waveforms approximated the simulated ones. The experimental results show that the mesh matrix method can be used as an effective means to analyze the linear induction launcher. Experiment and simulation provide a reference for the further investigations of the inductive coil gun.

CLASSIFICATION CODE: 70 Power Systems (General) (EA); B.4 Alloy/Material Development (AI)

CONTROLLED TERM: Computer simulation; Electric potential; Finite element method; High voltages; Inverters; Launchers; Voltage; Waveforms

Recherche thématique

- La recherche textuelle (par mots, par descripteurs) s'effectue, par défaut, dans le titre, le résumé et les descripteurs qui constituent **l'index de base** (Basic Index)



- Les codes de classifications (CC) ne sont pas inclus dans l'index de base

Champs de recherche dans Pqscitech

Content related fields

Title	/TI
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Abstract	/AB
----------	-----

Subject Terms

Controlled Term	/CT
-----------------	-----

Controlled Word	/CW
-----------------	-----

Classification Codes	/CC
----------------------	-----

Bibliographic fields

Author	/AU
--------	-----

Corporate Source	/CS
------------------	-----

Publication Year	/PY
------------------	-----

Document Type	/DT
---------------	-----

Language	/LA
----------	-----

Source	/SO
--------	-----

Journal Title	/JT
---------------	-----

Coden/ISSN	/ISN
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Update Code	/UP
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* Meeting Date, Meeting Location, Meeting Title, Meeting Year

PQSciTech

- Champ /FS (File segment) pour restreindre au contenu des anciennes banques de données.
 - AEROSPACE et METADEX restent également disponibles en tant que banques de données séparées.
- Troncature droite
 - Et gauche dans les champs /BI, /TI et /AB
- Vocabulaire contrôlé
 - Controlled Term (/CT)
 - Controlled Word (/CW)
 - Classification Code (/CC)
- Recherche des valeurs numériques

File Segment (/FS)

- AI = Aluminium Industry Abstracts (former file ALUMINIUM)
- AN = Abstracts in New Technologies and Engineering (former file ANTE)
- CE = Civil Engineering (former file CIVILENG)
- AQU? = Aqualine Abstracts (former file AQUALINE)
- ASF? = Aquatic Sciences and Fisheries Abstracts (former file AQUASCI)
- BIO? = Bioengineering and Biotechnology Abstracts (former file BIOENG)
- CPI? = CPI, Conference Paper Index (former file CONFSCI)

- Liste complète des segments disponible en ligne : => [HELP FS](#)

[=> S PACKAGING AND AI/FS](#)

Troncature droite et gauche dans les champs BI, TI et AB

=> FILE PQSCITECH

=> S POLYMER?

L1 748025 POLYMER?

=> S ?POLYMER?

L2 804527 ?POLYMER?

=> D KWIC 1-5

L2 ANSWER 1 OF 804527 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
CT Annular; Images; Inventions; **Polymers**; Resins

L2 ANSWER 2 OF 804527 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
TI Method of detecting specific **polymer** crystal

L2 ANSWER 3 OF 804527 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
AB The invention provides for ethylene **copolymers** having a
polymodal CD, wherein under temperature rising elution
fractionation (TREF) analysis °°°

CT **Copolymers**; Elution; Ethylene; Fractionation; Inventions
TI Ethylene **copolymers** and their uses

? Troncature large (0 ou n caractère)
Troncature courte (0 ou 1 caractère)



Troncature droite et gauche dans les champs BI, TI et AB

L2 ANSWER 4 OF 804527 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.

AB A **fluoropolymer** coating composition that may be applied over a primer and/or. . .

CT Abrasion resistance; Abrasion resistant coatings; Coatings; **Fluoropolymers**; Polytetrafluoroethylenes

TI Blended **fluoropolymer** coatings for rigid substrates

L2 ANSWER 5 OF 804527 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.

AB . . . N-deacetylation/N-sulfation, C5 epimerization, O-oversulfation, selective O-desulfation, 6-O-sulfation, N-sulfation, and optional **depolymerization**, in which said epimerization is performed with the use of. . .

=> S ?POLYMER?/TI,AB

Recherche limitée aux titres et
aux résumés

Vocabulaire contrôlé (/CT, CW)

CT Computational efficiency; Computing time; Invariants; Mathematical models; Optimal control; Propellant consumption; Spacecraft

- Les descripteurs sont interrogeables dans le champ /CT (Controlled Term)

=> E PROPELLANT/CT

E1	1	PROPERTIES/CT
E2	1	PROPEAMUSSIUM/CT
E3	3	--> PROPELLANT/CT
E4	61	PROPELLANT ACTUATED DEVICES/CT
E5	12	PROPELLANT ACTUATED INSTRUMENTS/CT
E6	567	PROPELLANT ADDITIVES/CT
E7	637	PROPELLANT BINDERS/CT
E8	79	PROPELLANT CASTING/CT
E9	468	PROPELLANT CHEMISTRY/CT
E10	3183	PROPELLANT COMBUSTION/CT
E11	1	PROPELLANT COMPOSITION/CT
E12	151	PROPELLANT CONSUMPTION/CT

Vocabulaire contrôlé (/CT)

=> S PROPELLANT/CT

L1 3 PROPELLANT/CT

=> S PROPELLANTS/CT

L2 14928 PROPELLANTS/CT

!!! Les descripteurs sont souvent au pluriel

=> D CT

L2 ANSWER 1 OF 14928 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
CT Bundling; Center of gravity; Propellant tanks; **Propellants**;
Tanks

=> S PROPELLANT#/CT

L3 14931 PROPELLANT#/CT

L'utilisation de la troncature est recommandée.

!!! La recherche automatique des singulier / pluriel (commande SET PLURALS ON activée) ne s'applique pas pour une recherche dans le champ /CT

Vocabulaire contrôlé (/CW)

- Les mots qui composent les descripteurs sont interrogeables dans le champ /CW (Controlled Vocabulary)

=> S PROPELLANT#/CW

L3 43539 PROPELLANT#/CW

=> D 1-4 CT

L3 ANSWER 1 OF 43539 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.

CT Borohydrides; Boron hydrides; Burning rate; Energetic materials;
Solid propellants; Synthesis; Toxicity

L3 ANSWER 2 OF 43539 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.

CT Computer simulation; Cooling; Liquid films; Liquid oxygen;
Mathematical models; Navier-Stokes equations; **Rocket propellants**

L3 ANSWER 3 OF 43539 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.

CT Automotive components; Computer simulation; Gaussian; Mathematical
models; Monte Carlo methods; **Propellants**; Reserves; Spacecraft

L3 ANSWER 4 OF 43539 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.

CT Computational efficiency; Computing time; Invariants; Mathematical
models; Optimal control; **Propellant consumption**; Spacecraft

Codes de classification (/CC)

CC B4 Environmental Issues, Waste Treatment, Health and Safety (MB);
35 Land Development, Irrigation, and Drainage (CE)

- Les codes de classification ne sont pas inclus dans l'index de base
- Les intitulés sont interrogeables ainsi que les codes numériques

!!! Il n'est pas recommandé d'utiliser les codes numériques car ils ont des significations différentes selon leurs banques de données d'origine

=> E 35/CC

o o o

E4	109218	35 CORROSION (MD) /CC
E5	23084	35 INSTRUMENTATION & PHOTOGRAPHY (AH) /CC
E6	54744	35 LAND DEVELOPMENT, IRRIGATION, AND DRAINAGE (CE) /CC
E8	372	35 RAPID TRANSIT RAILWAYS (MT) /CC
E9	910	35 THERMAL PROPERTIES (SO) /CC
E10	4727	35 USER INTERFACES (CI) /CC

Codes de classification (/CC)

=> S WASTE TREATMENT/CC

L1 93920 WASTE TREATMENT/CC
((WASTE (S) TREATMENT) /CC)

=> D CC 1-2

L1 ANSWER 1 OF 93920 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
CC B4 Environmental Issues, **Waste Treatment**, Health and Safety
(MB); 35 Land Development, Irrigation, and Drainage (CE); Yes (AN)

L1 ANSWER 2 OF 93920 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
CC A 01450 Environmental Pollution & **Waste Treatment**

=> S WASTE TREATMENT/BI,CC

L2 136509 WASTE TREATMENT/BI,CC

=> D TRIAL

L2 ANSWER 1 OF 136509 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN
AN 2012:810394 PQSCITECH
TI Water treatment apparatus
CC 61 Design Principles (MT); 71 General and Nonclassified (MD);
CT Chambers; Outlets; Tubes; **Waste treatment**; Waste water

Recherche dans l'index de base
(TI,AB,CT) et dans les codes de
classification (CC)
TRIAL : format gratuit

Recherche de propriétés numériques

- STN a mis au point un procédé sémantique d'identification des valeurs numériques dispersées dans le texte des références.
- Ces valeurs extraites sont interrogeables :
 - Multiples unités
 - Conversion automatique des unités
 - Valeurs précises, intervalle, tolérance

Identification des nombres et des unités

The resulting CeO_2 particle size measured by x-ray diffraction were in the range of 10 to 30 nm. Fig. 1 shows typical nano particles in a sample milled for 6 hours. In a second experiment a 1 litre attrition mill was used for milling the mixture. ... In addition it is widely accepted that the existence of a so-called 'limiting particle size' limits the practical minimum particle size that can be attained by grinding to values greater than 100nm,

Les valeurs numériques non pertinentes sont ignorées

Recherche de propriétés numériques

- Ce type de recherche a été initialement implanté dans des banques de données de brevets puis est progressivement étendu à des banques de données non brevets :
 - **MOBILITY** (Global Mobility Bibliographic Database)
 - **FSTA** (Food Science and Technology Abstracts)
 - **AEROSPACE** (The Aerospace and High Technology database)
 - **METADEX** (Metals Abstracts/Alloy Index)
 - **PQSCITECH** (ProQuest Science and Technology)
- 55 propriétés sont interrogeables
 - 1800 unités identifiées et normalisées

Propriétés indexées

Field Code	Property	Base Unit	Symbol
AOS	Amount of substance	Mol	mol
BIR	Bit Rate	Bit / Second	bit/s
BIT	Stored Information	Bit	bit
CAP	Capacitance	Farad	F
CDN	Current Density	Ampere / Square Meter	A/m²
CMOL	Molarity, Molar Concentration	Mol / Liter	mol/L
CON	Electrical Conductance	Siemens	S
DB	Dezibel	Dezibel	dB
DEG	Degree	Degree	degree
DEN	Density, Mass Concentration	Kilogram / Cubic Meter	kg/m ³
DEQ	Dose Equivalent	Sievert	Sv
DOS	Dosage	Milligram / Kilogram	mg/kg
DV	Viscosity, dynamic	Pascal x Second	Pa s
ECH	Electric Charge	Coulomb	C
ECD	Electric Charge Density	Coulomb / Square Meter	C/m ²
ECO	Electrical Conductivity	Siemens / Meter	S/m
ELC	Electric Current	Ampere	A
ELF	Electric Field	Volt / Meter	V/m
ENE	Energy	Joule	J
ERE	Electrical Resistivity	Ohm x Meter	ohm m
FOR	Force	Newton	N

Propriétés indexées (suite)

Field Code	Property	Base Unit	Symbol
FRE	Frequency	Hertz	Hz
IU	International Unit	none	IU
KV	Viscosity, kinematic	Square Meter/Second	m ² /s
LEN	Length	Meter	m
LUMI	Luminous Intensity	Candela	cd
LUME	Luminous Emittance, Illuminance	Lux	lx
LUMF	Luminous Flux	Lumen	lm
M	Mass	Kilogram	kg
MCH	Mass to Charge Ratio	none	m/z
MFR	Mass Flow Rate	Kilogram/Second	kg/s
MFS	Magnetic Field Strength	Tesla	T
MM	Molar Mass, Molecular Weight	Gram / Mol	g/mol
MOLS	Molality of Substance	Mol / Kilogram	mol/kg
MVR	Melt Volume Rate	none	g/10 min
NUC	Nutrition Content	none	g/100 kcal
PER	Percent	none	%
PERA	Permittivity, Absolute	Farad / Meter	F/m
PHV	ph Value	pH	pH
POW	Power	Watt	W
PRES	Pressure	Pascal	Pa
RAD	Radioactivity	Becquerel	bq

Propriétés indexées (suite)

Field Code	Property	Base Unit	Symbol
RES	Electrical Resistance	Ohm	Ohm
RSP	Rotational Speed	Revolution / Minute	rpm
SAR	Area	Square Meter	m ²
SOL	Solubility	Gram / 100 gram	g/100g
STSC	Surface Tension, Spring Constant	Joule/ Square Meter	J/m ²
TCO	Thermal Conductivity	Watt / Meter x Kelvin	W/m K
TEMP	Temperature	Kelvin	°K
TIM	Time	Second	s
VEL	Velocity	Meter / Second	m/s
VELA	Velocity, angular	Radian / Second	rad/s
VLR	Volumetric Flow Rate	Cubic Meter / Second	m³/s
VOL	Volume	Cubic Meter	m ³
VOLT	Voltage	Volt	V

Recherche des propriétés numériques

- La recherche de ces propriétés numériques peut être :
 - combinée avec des recherches textuelles
 - réalisée en utilisant des opérateurs de proximité
- Recherche de valeurs exactes ou d'intervalles
- Toutes les valeurs numériques recherchées en utilisant les unités acceptées sont converties automatiquement dans l'unité SI
 - E.g. 100 °C → 373,15 K
- Plus de détails

http://www.stn-international.com/uploads/tx_ptgsarelatedfiles/NPS_in_STN_patent_files.pdf

Composition de métaux (contenant 40 à 60% de bismuth et 10 à 30% de plomb)

=> FILE PQSCITECH

=> S BISMUTH(1A)40-60/PERCENT (S) LEAD(1A)10-30/PERCENT AND METAL

L1 3 BISMUTH(1A)40 PERCENT - 60 PERCENT /PERCENT (S)
LEAD(1A)10 PERCENT - 30 PERCENT /PERCENT AND METAL

=> D BIB AB

L1 ANSWER 1 OF 3 PQSCITECH COPYRIGHT 2012 ProQuest LCC on STN.
AN 2007:674950 PQSCITECH [Full-text](#)
TI Newton's **metal** as a new home-made shielding material
AU Kamal, M; Moharam, B M; Farag, H I; El-Bediwi, A; Shosha,
Hany A; Aboshieasha, H F
CS Physics Department, Faculty of Science, Mansora University.
Egypt
SO Radiation Effects and Defects in Solids. Vol. 162, no. 1,
pp. 53-57. Jan. 2007
ISSN: 1042-0150
DOI: 10.1080/10420150601045382
Published by: Taylor & Francis Ltd , 11 New Fetter Lane,
London, EC4P 4EE, UK,
DT Journal; Article

FS Metadex (MD); Engineered Materials: Ceramics (EC);
Engineered Materials: Composites (ED); Engineered Materials:
Polymers (EP); Solid State & Superconductivity (SO)

LA English

ED Entered STN: 16 Jun 2012

Last updated on STN: 16 Jun 2012

AB The protection of critical organs inside the radiated area during radiotherapy applications is very important. Lipowitz's **metal** (also called cerrobend) is widely used. It consists of **50% bismuth, 26.7% lead**, 13.3% tin and 10% cadmium. The physical density at 20 deg C is 9.4g/cm³ (70 deg C melting point). Cadmium has been recognized as a source of environmental pollution and poisonous cadmium gas is emitted during fabrication of the material into custom blocks. The determining factor in the release of metallic oxide fumes is temperature. The higher the temperature, the greater the potential for release of metallic oxide fumes. To overcome the toxic effect of cadmium in Lipowitz's alloy during casting, low melting point Newton's **metal** (cadmium-free) is used. This study is carried out to compare the two alloys. The first alloy is the cerrobend alloy used in the National Cancer Institute of Cairo University, imported from Medical Technology Company, USA. °°°

LED émettant entre 500 et 570 nm

=> S (LED OR LIGHT EMITTING DIODE) (5A) 500-570NM/SIZ

L1 198 (LED OR LIGHT EMITTING DIODE) (5A) 500-570NM/SIZ

=> D ALL

L1 ANSWER 1 OF 198

AN 2012:576992 PQSCITECH [Full-text](#)

DN 16661351

TI Characterization of four-color multi-package white light-emitting diodes combined with various green monochromatic phosphor-converted light-emitting diodes

AU Oh, Ji Hye; Lee, Keyong Nam; Do, Young Rag

SO Proceedings of SPIE - The International Society for Optical Engineering

[Proc. SPIE Int. Soc. Opt. Eng.]. Vol. 8278, [np]. 2012.

ISSN: 0277-786X

DOI: 10.1117/12.908157

Conference: Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XVI, San Francisco, California, USA, 20120124

DT Journal; Article; Conference

FS Solid State and Superconductivity Abstracts (SO); Electronics and Communications Abstracts (EA)

L'unité (nm) peut être mentionnée dans la question.

Si non, c'est l'unité SI par défaut qui est recherchée

LA English

ED Entered STN: 26 Jul 2012

Last updated on STN: 26 Jul 2012

AB In this study, several combinations of multi-package white light-emitting diodes (LEDs), which combine an InGaN blue LED with green, amber, and red phosphor-converted LEDs (pc-LEDs), were characterized by changing the peak wavelength of green pc-LEDs between **515nm** and 560nm (515, 521, 530, 540, 550, 560nm) in color temperature of 6,500K and 3,500K. Various green monochromatic pc-LEDs were fabricated by capping a long-wave pass-filter (LWPF) on top of pc-LEDs to improve luminous efficacy and color purity. LWPF-capped green monochromatic pc-LED can address the drawback of green semiconductor-type III-V LED, such as low luminous efficacy in the region of green gap wavelength. Luminous efficacy and color rendering index (CRI) of multi-package white LEDs are compared with changing the driving current of individual LED in various multi-package white LEDs. This study provides a best combination of four-color multi-package white LEDs which has high luminous efficacy and good CRI.

CC 11 Lasers, Optics, and Electronics (SO); 30 Photonics (EA)

CT Capping; Color; Illumination; Indium gallium nitrides; Light-emitting diodes; Luminous efficacy; Rendering; Wavelengths

PQSCITECH dans les clusters

- PQSCITECH étant une banque de données multidisciplinaire, elle est présente dans de multiples clusters
- Ces clusters peuvent être interrogés avec la commande INDEX

=> INDEX ENGINEERING

=> INDEX ENGINEERING MATERIALS

=> D CLUSTER ENGINEERING

Engineering and Technology Cluster

CLUSTER NAME CLUSTER DEFINITION

ENGINEERING 1MOBILITY 2MOBILITY AEROSPACE APOLLIT AUPATFULL BIOTECHNO
CANPATFULL CAPLUS CEABA-VTB CIN CNFULL COMPENDEX DISSABS DKF
ENCOMPLIT ENCOMPLIT2 ENCOMPAT ENCOMPAT2 ENERGY EPFULL
FRFULL GBFULL GEOREF IFIPAT INSPEC INSPHYS METADEX NTIS PASCAL
PATDPAFULL PCTFULL PIRA **PQSCITECH** RAPRA RDISCLOSURE SCISEARCH
TEMA TRIBO TULSA TULSA2 USPATFULL USPATOLD USPAT2 WELDASEARCH
WPIDS WPINDEX WSCA

=> D CLUSTER MATERIALS

Materials Science Cluster

CLUSTER NAME CLUSTER DEFINITION

MATERIALS 1MOBILITY 2MOBILITY APOLLIT CAPLUS CBNB CEABA-VTB CIN COMPENDEX
DKF ENERGY IFIPAT INSPEC INSPHYS METADEX MSDS-OHS PASCAL PIRA
PQSCITECH RAPRA RDISCLOSURE SCISEARCH TEMA TRIBO USPATFULL
USPATOLD USPAT2 WELDASEARCH WSCA

=> D CLUSTER GEOSCIENCE

Earth and Geosciences Cluster

CLUSTER NAME CLUSTER DEFINITION

GEOSCIENCE AEROSPACE, CAPLUS, COMPENDEX, DISSABS, ENCOMPLIT,
ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, ENERGY, GEOREF,
IFIPAT, INSPEC, NTIS, PASCAL, **PQSCITECH**, SCISEARCH,
TULSA, TULSA2, USPATFULL, USPAT2

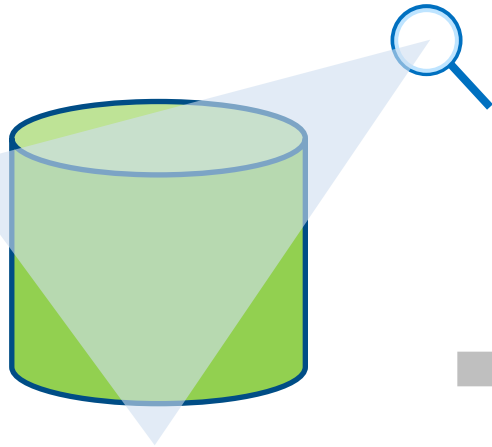
=> D CLUSTER BIOSCIENCE

Bioscience Cluster

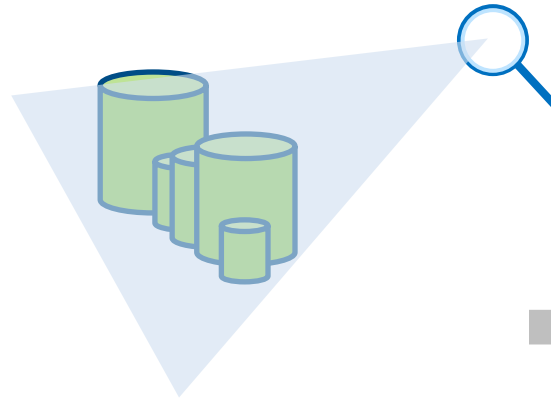
CLUSTER NAME CLUSTER DEFINITION

BIOSCIENCE ADISCTI ADISINSIGHT ADISNEWS AGRICOLA ANABSTR BIOSIS
BIOTECHABS BIOTECHDS BIOTECHNO CABA CAPLUS CEABA-VTB
CIN CROPB CROPU DDFB DDFU DGENE DISSABS DRUGB DRUGU
EMBAL EMBASE ESBIODASE FOMAD FROSTI FSTA GENBANK
IFIPAT IMSRESEARCH KOSMET MEDLINE NTIS PASCAL PCTGEN
PQSCITECH PS RDISCLOSURE SCISEARCH TOXCENTER USGENE
USPATFULL USPATOLD USPAT2 VETB VETU WPIDS WPINDEX

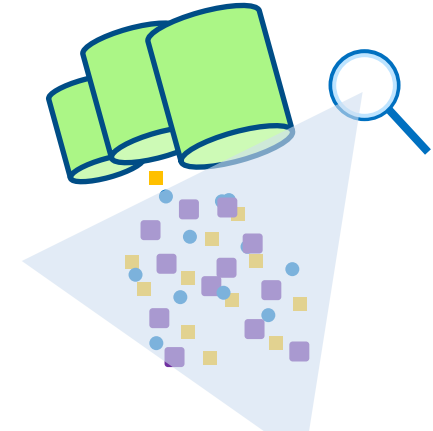
INDEX : recherche exploratoire dans un cluster



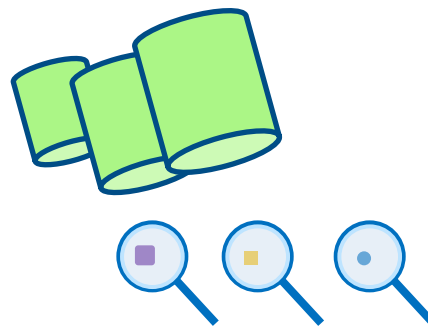
=> INDEX CLUSTER
=> S topic



=> INDEX HITS
=> S refined topic
=> D RANK



=> FIL F1 F3 F5
=> S topic final



=> DUPLICATE REMOVE
=> DISPLAY ALL 1 2 3

Recherche dans un cluster

Question:

Applications des oxides d'aluminium dans les moteurs

Applications des oxides d'aluminium dans les moteurs

=> INDEX MATERIALS

Entrée dans le cluster "Materials"

```
INDEX '1MOBILITY, 2MOBILITY, APOLLIT, CAPLUS, CBNB, CEABA-VTB, CIN,  
COMPENDEX, DKF, IFIPAT, INSPEC, INSPHYS, METADEX, MSDS-OHS, PASCAL,  
PIRA, PQSCITECH, RAPRA, RDISCLOSURE, SCISEARCH, TEMA, TRIBO,  
USPATFULL, USPATOLD, USPAT2, WELDASEARCH, WSCA' ENTERED AT 14:14:46  
ON 09 OCT 2012
```

27 FILES IN THE FILE LIST IN STNINDEX

=> S (ALUMINA OR ALUMINIA OR AL2O3 OR ALUMINIUM OXIDE) /TI AND
(MOTOR OR ROTOR OR TURBINE OR ENGINE) /TI

```
12    FILE 1MOBILITY  
190   FILE CAPLUS  
3     FILE CEABA-VTB  
60    FILE COMPENDEX  
9     FILE DKF  
243   FILE IFIPAT  
27    FILE INSPEC  
21    FILE METADEX  
30    FILE PASCAL  
118   FILE PQSCITECH
```

Lancement de la recherche exploratoire

Recherche limitée aux titres (/TI)

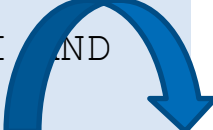


74	FILE SCISEARCH
19	FILE TEMA
3	FILE TRIBO
8	FILE USPATFULL
6	FILE USPATOLD
1	FILE USPAT2
1	FILE WELDASEARCH
1	FILE WSCA

Sur les 27 bdd interrogées, 18 contiennent des réponses.

18 FILES HAVE ONE OR MORE ANSWERS, 27 FILES SEARCHED IN STNINDEX

L1 QUE (ALUMINA OR ALUMINIA OR AL2O3 OR ALUMINIUM OXIDE)/TI AND
(MOTOR OR ROTOR OR TURBINE OR ENGINE)/TI



=> INDEX HITS

INDEX 'IFIPAT, CAPLUS, PQSCITECH, INSPEC, METADEX,TEMA, 1MOBILITY, DKF, USPATFULL, USPATOLD, CEABA-VTB, TRIBO, USPAT2, WELDASEARCH, WSCA'

Poursuite de la recherche exploratoire dans ces 18 bdd (HITS)

18 FILES IN THE FILE LIST IN STNINDEX

=> S L1 NOT P/DT

- 106 FILE CAPLUS
- 104 FILE PQSCITECH
- 74 FILE SCISEARCH
- 60 FILE COMPENDEX
- 30 FILE PASCAL
- 27 FILE INSPEC
- 13 FILE METADEX
- 19 FILE TEMA
- 12 FILE 1MOBILITY
- 9 FILE DKF
- 3 FILE CEABA-VTB
- 3 FILE TRIBO
- 1 FILE WSCA

Elimination des brevets (Patent/Document Type)

13 FILES HAVE ONE OR MORE ANSWERS, 18 FILES SEARCHED IN STNINDEX
L2 QUE L1 NOT P/DT



=> D RANK

F1	106	CAPLUS
F2	104	PQSCITECH
F3	74	SCISEARCH
F4	60	COMPENDEX
F5	30	PASCAL
F6	27	INSPEC
F7	19	TEMA
F8	13	METADDEX
F9	12	1MOBILITY
F10	9	DKF
F11	3	CEABA-VTB
F12	3	TRIBO
F13	1	WSCA

Classement des bdd par ordre de fréquence décroissante

=> FILE F1-F7 F9

FILES 'CAPLUS, PQSCITECH, SCISEARCH, COMPENDEX, PASCAL, INSPEC, TEMA, 1MOBILITY'
ENTERED AT 14:21:32 ON 09 OCT 2012

Entrée dans les bdd sélectionnées et réexécution de la recherche

8 FILES IN THE FILE LIST

=> S L2

L3 432 L2

DUPLICATE REMOVE : élimination des doublons
SET DUPORDER FILE permet d'obtenir le
classement des références par banque de données

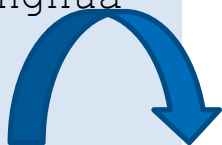
=> SET DUPORDER FILE

=> DUP REM L3

```
L4          231 DUP REM L3 (201 DUPLICATES REMOVED)
            ANSWERS '1-106' FROM FILE CAPLUS
            ANSWERS '107-176' FROM FILE PQSCITECH
            ANSWERS '177-195' FROM FILE SCISEARCH
            ANSWERS '196-210' FROM FILE COMPENDEX
            ANSWERS '211-213' FROM FILE PASCAL
            ANSWERS '214-216' FROM FILE INSPEC
            ANSWERS '217-221' FROM FILE TEMA
            ANSWERS '222-231' FROM FILE 1MOBILITY
```

=> D BIB AB 107

```
L4          ANSWER 107 OF 231 PQSCITECH COPYRIGHT 2012 ProQuest LCC on
STN.        DUPLICATE 18
AN          2007:1035420    PQSCITECH Full-text
DN          200912-B.4-0021061 (AI); 200912-30-0153137 (CE)
TI          Selective catalytic reduction of NO x from exhaust of lean-
            burn engine over Ag-Al2O3/cordierite catalyst
AU          Junhua, Li; Shoufang, Kang; Lixin, Fu; Jiming, Hao
CS          Department of Environmental Science and Engineering, Tsinghua
            University, Beijing, 100084, China
            EMAIL: lijunhua@tsinghua.edu.cn
```



SO Frontiers of Environmental Science & Engineering in China.
Vol. 1, no. 2, pp. 143-146. May 2007

ISSN: 1673-7415

DOI: 10.1007/s11783-007-0025-1

Published by: Gaodeng Jiaoyu Chubanshe (Higher Education Press), 4 Dewai Dajie Beijing 100011 China

DT Journal; Article

FS Aluminium Industry (AI); Civil Engineering (CE)

LA English

ED Entered STN: 16 Jun 2012

Last updated on STN: 16 Jun 2012

AB A highly effective Ag-Al₂O₃ catalyst was prepared using the in-situ sol-gel method, and characterized by surface area using nitrogen adsorption, scanning electron microscopy (SEM), and transmission electron microscopy (TEM) techniques. The catalyst performance was tested on a real lean-burn gasoline engine. Only unburned hydrocarbons and carbon monoxide in the exhaust were directly used as reductant (without any external reductant), the maximum NO_x conversion could only reach 40% at 450DGC. When an external reductant, ethanol was added, the average NO_x conversion was greater than 60%. At exhaust gas temperature range of 350--500DGC, the maximum NO_x conversion reached about 90%. CO and HC could be efficiently oxidized with Pt-Al₂O₃ oxidation catalyst placed at the end of SCR converter. °°°°

ALERTES

- Profil monofichier => SDI
- Profil multifichiers => SDI MFILE PACKAGE
 - Hebdomadaire (réception le mardi)
 - Mensuelle (réception le dernier jour du mois)
 - Dédoublonnage automatique
 - Les références sont conservées pendant un an
- Réception par email (rtf, html, pdf, ascii) ou flux rss

Mise en place d'un profil mensuel dans Pqscitech et Georef sur le gaz de schiste

=> FILE PQSCITECH

=> S SHALE (A) GAS OR (NATURAL GAS/CT AND SHALE/CT)

L1 656 SHALE (A) GAS OR (NATURAL GAS/CT AND SHALE/CT)

=> S L1 NOT P/DT

L2 558 L1 NOT P/DT

=> FILE GEOREF

=> S SHALE (A) GAS

L3 861 SHALE (A) GAS

Entrée dans les deux banques de données

=> FILE PQSCITECH GEOREF

FILES 'PQSCITECH, GEOREF' ENTERED AT 14:01:50 ON 18 OCT 2012
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR
DETAILS.

2 FILES IN THE FILE LIST



Création du profil

=> SDI MFILE PACKAGE

MULTIFILE SDI GENERAL PARAMETERS

ENTER MULTIFILE SDI REQUEST NAME ('AA083/S'), OR END: **SHALE/S**

ENTER TITLE (NONE): **GAZ DE SCHISTE**

ENTER COST CENTER (NONE) OR NONE: .

ENTER METHOD OF DELIVERY (EMAIL), ONLINE OR RSS: **EMAIL**

ENTER EMAIL ID (126K): **martine.michel@capadoc.fr**

MARTINE.MICHEL@CAPADOC.FR

RECEIVE DELIVERY NOTIFICATION? (Y)/N: **N**

ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI RUN? Y/(N) : **Y**

SET FILE ANSWER PREFERENCE FOR DUPLICATE REMOVAL? (N)/Y: **N**

ENTER PRINT FORMAT (FILEDEFAULT) OR ? : **ALL**

HIGHLIGHT HIT TERMS? (Y)/N: **Y**

ARCHIVE ANSWERS? Y/(N) : **N**

REDISTRIBUTE ANSWERS? Y/(N) : **N**

ENTER MAXIMUM NUMBER OF HITS TO BE DELIVERED PER FILE (100) : .

SORT SDI ANSWER SET (N)/Y? : **N**

SEND SDI WITH NO ANSWERS? (Y)/N: **Y**

ENTER FREQUENCY OF DELIVERY (MONTHLY) OR WEEKLY: **MONTHLY**

ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE) : .



MULTIFILE SDI FILE SPECIFIC PARAMETERS: PQSCITECH

ENTER COMPONENT SDI REQUEST NAME ('AA083/S') OR END: **SHALEPQ/S**
ENTER QUERY L# FOR MULTIFILE SDI REQUEST OR END: **L2**
ENTER UPDATE FIELD CODE (UP), ED OR ?: **ED**

MULTIFILE SDI FILE SPECIFIC PARAMETERS: GEOREF

ENTER COMPONENT SDI REQUEST NAME ('AA083/S') OR END: **SHALEGEO/S**
ENTER QUERY L# FOR MULTIFILE SDI REQUEST OR END: **L3**
ENTER UPDATE FIELD CODE (UP), ED OR ?: **ED**
MULTIFILE SDI HAS BEEN SAVED AS SDI REQUEST 'SHALE/S'
QUERY L2 HAS BEEN SAVED AS SDI REQUEST 'SHALEPQ/S' FOR FILE PQSCITECH
QUERY L3 HAS BEEN SAVED AS SDI REQUEST 'SHALEGEO/S' FOR FILE GEOREF

PQSCITECH

- PQSCITECH, une nouvelle banque de données multidisciplinaire à dominante « Ingénierie »
- Autres banques de données multidisciplinaires
 - SCISEARCH (Science Citation Index)
 - PASCAL
 - NTIS (National Technical Information Service)
- Autres banques de données « Ingénierie »
 - COMPENDEX (Computerized Engineering Index)
 - INSPEC (Information Sce for Physics, Electronics & Computing)
 - TEMA (Technology and Management)

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