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Subject Coverage	<ul style="list-style-type: none"> • Administration and management • Agriculture and food • Aeronautics and aerodynamics • Astronomy and astrophysics • Atmospheric sciences • Biomedical technology and engineering • Building industry technology • Chemistry • Civil engineering • Communications • Computers, control, and information theory • Electrotechnology • Energy • Environmental pollution and control • Health planning 	<ul style="list-style-type: none"> • Industrial and mechanical engineering • Library and information sciences • Materials sciences • Mathematical sciences • Military sciences • Medicine and biology • Missile and space technology • Natural resources and earth sciences • Navigation, guidance, and control • Nuclear science and technology • Ocean technology and engineering • Photography and recording devices • Physics • Propulsion and fuels • Urban and regional technology
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File Type Bibliographic

Features	Alerts (SDIs)	Weekly or monthly (weekly is the default)		
	CAS Registry Number® Identifiers	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>
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	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>

Record Content Records contain bibliographic information, indexing and an abstract

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| • AEROTECH | • ENVIRONMENT |
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Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title (TI), abstract (AB), controlled term (CT), and CAS Registry Number (RN) fields)	None or /BI	S MOTORISTS S DRIVING HABIT# S DRIV?(2W)EXPER? S COAL(S)MINE# S PAT CL 110? S ANALYSIS/BI,CC S 50-23-7	TI, AB, CT, RN
Abstract	/AB	S NETWORK TRAFFIC/AB	AB
Accession Number	/AN	S 20210000009/AN	AN
Author	/AU	S MCCARTHY, P E/AU S AMES G/AU	AU
Availability	/AV	S CD ROM/AV	AV
Classification Codes, COSATI, NTIS etc. (code, main code (NTIS) and text) (2)	/CC	S 85/CC S 85A/CC S *57E/CC	CC
Controlled Term (main headings)	/CT	S TRANSPORTATION?/CC S ALCOHOL LAWS/CT S *HEAT RECOVERY/CT	CT
Controlled Word	/CW	S EARTH/CW	CT
Corporate Source (performing, sponsoring or cooperating performing organization)	/CS	S (DEPART?(2W)INTERIOR)/CS S COMBUSTION ENGINEERING?/CS	CS
Country (of Intellectual Origin) (code and text)	/CY	S GERMANY?/CY S GB/CY	CY
Document Number (NTIS Order No.)	/DN	S PB2002-107857/DN	DN
Document Type (code and text)	/DT (or /TC)	S REPORT/DT and L1 S R/DT and L1	DT
Entry Date (1)	/ED	S ED>-AUG 2021	ED
Language	/LA	S GERMAN/LA	LA
Note	/NTE	S SEAWIFS/NTE	NTE
Number of Contract (grant, project or task)	/NC	S AID-DSAN-C-0062/NC	NC
Number of Report (includes patent information)	/NR	S PB2002-107857 /NR S PAT-APPL 10-976 932/NR	NR
Publication Date (1)	/PD	S PD=FEB 2000	PD, SO
Publication Year (1)	/PY	S 1983-1984/PY	PY, SO
Source (contains number of contract, number of report)	/SO	S TRRLSR826/SO	SO
Title*	/TI	S REAL-TIME/TI AND SOFTWARE/TI	TI
Update Date (1)	/UP	S UP=AUG 2021	UP
Word Count, Title (1)	/WC.T	S WC.T>=10	WC.T

(1) Numeric search field that may be searched with numeric operators or ranges.

(2) Search with implied (S) proximity is available.

Property Fields¹⁾

In NTIS a numeric search for a specific set of physical properties (/PHP) is available within the text fields (TI, AB, BI). The numeric values are not displayed as single fields, but highlighted within the hit displays.

Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in all database fields with English text. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Symbol	Search Examples
/AOS	Amount of substance	Mol	mol	S 10 /AOS
/BIR	Bit Rate	Bit/Second	bit/s	S 8000-10000/BIR
/BIT	Stored Information	Bit	Bit	S BIT > 3 MEGABIT
/CAP	Capacitance	Farad	F	S 1-10 MF/CAP
/CATA	Catalytic Activity	Katal	kat	
/CDN	Current Density	Ampere/Square Meter	A/m ²	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 8/CMOL
/CON	Conductance	Siemens	S	S 1S-3/CON
/DB	Decibel	Decibel	dB	S DB>50
/DEG	Degree	Degree	°	S CYLINDER/BI (S) 45/DEG
/DEN (/C)	Density (Mass Concentration)	Kilogram/Cubic Meter	kg/m ³	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent	Sievert	Sv	S 100/DEQ
/DOA	Dosage	Milligram/Kilogram/Day	mg/day	
/DOS (/LD50)	Dose	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa * s	S DV>5000
/ECH (/CHA)	Electric Charge	Coulomb	C	S 0.0001-0.001/ECH
/ECO (/ECND)	Electrical Conductivity	Siemens/Meter	S/m	S ECO>800 S/M (15A) AQUEOUS
/ELC (/ECC)	Electric Current	Ampere	A	S 1-10/ELC
/ELF (/ECF)	Electric Field	Volt/Meter	V/m	S 200/ELF
/ENE	Energy	Joule	J	S DROPLETS (10A) 40 JOULE - 70 JOULE /ENE
/ERE (/ERES)	Electrical Resistivity	Ohm * Meter	Ohm * m	S ERE>0.1
/FOR	Force	Newton	N	S 50 N /FOR
/FRE (/F)	Frequency	Hertz	Hz	S OSCILLAT?/BI (S) 1- 3/FRE
/IU	International Unit	none	IU	S IU>1000 (P) VITAMIN A
/KV	Viscosity, kinematic	Square Meter/Second	m ² /s	S METHYLPOLYSILOXANES/BI (10A) 200-300 CST /KV
/LEN (/SIZ)	Length, Size	Meter	m	S 1-4/LEN
/LUME	Luminous Emittance, Illuminance	Lux	lx	S 10-50/LUME
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous Intensity	Candela	cd	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge Ratio	none	m/z	S MCH=1
/MFD (/MFS)	Magnetic Flux	Tesla	T	S MFD>102
/MFR (/MFL)	Density			
/MFR (/MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	

Property Fields₁₎ (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/MM (/MW, /MOM)	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 01.-10 MOL/KG/MOLS
/MVR	Melt Volume Rate, Melt Flow Rate	none	g/10 min	S 3/MVR
/PER	Percent (Proportionality)	none	%	S POLYMER?/AB (5A) 4/PER
/PHV (/PH)	pH Value	pH	pH	S 7.4-7.6/PHV
/POW (/PW)	Power	Watt	W	S "HG-XE-?"/BI (S) 100-200 WATT/POW
/PPM	Parts per million	Ppm	ppm	S 100 PPM /PPM (10A) ADDITIVE/BI
/PRES (/P)	Pressure	Pascal	Pa	S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES
/RAD	Radioactivity	Becquerel	Bq	S RAD/PHP
/RES	Electrical Resistance	Ohm	Ohm	S SENSOR /BI (S) 10- 100/RES
/RI	Refractive Index	none		S 3-4/RI
/RSP	Rotational Speed	Revolution/Minute	rpm	S 2 RPM - 100 RPM /RSP (S) ENGINE/BI
/SAR	Area /Surface Area	Square Meter	m ²	S PLATE/BI (S) 10 M**2 - 100 M**2 /SAR
/SOL (/SLB)	Solubility	Gram/100 gram	g/100 g	S SOL>20 G/100G (5A) WATER
/SSAM	Specific Surface Area, Mass	Square Meter/Kilogram	M2/kg	
/STSC (/ST)	Surface Tension	Joule /Square Meter	J/m ²	S 60 J/M**2/STSC
/TCO (/TCND)	Thermal Conductivity	Watt/Meter * Kelvin	W/m * K	S 1/TCO (S) HEAT?
/TEMP (/T)	Temperature	Kelvin	K	S 20-25/TEMP
/TEX	Tex	Gram/Kilometer	g/km	
/TIM	Time	Second	s	S ?INCUB?/BI (10A) 50 S - 150 S /TIM
/VEL (/V)	Velocity	Meter per Second	m/s	S REDUC?/BI (S) 1E-3-5E-3/VEL
/VELA	Velocity, angular	Radian/Second	rad/s	S VELA>10
/VLR	Volumetric Flow Rate	Cubic Meter/Second	m ³ /s	S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL	Volume	Cubic Meter	m ³	S 1E-8-2E-8/VOL.EX
/VOLT	Voltage	Volt	V	S TENSION/BI (10A) 5E-3 V <VOLT<7E-3 V

(1) Exponential format is recommended for the search of particularly high or low values, e.g. 1.8E+7 or 1.8E7 (for 18000000) or 9.2E-8 (for 0.00000092).

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB AN AU AV CC CS CT CY DN DT (TC) LA NC NR NTE PD (1) PY (1) RN SO TI UP (1) WC.T (1)	Abstract Accession Number Author Availability Classification Code Corporate Source Controlled Term Country (of Intellectual Origin) Document Number (NTIS Order Number) Document Type Language Number of Contract (grant, project or task) Number of Report (includes patent information) Note Publication Date Publication Year CAS Registry Number Source Title Update Date Word Count, Title	D AB, TI D 1-5 AN D AU TI D AV D CC D CS D CT D CY D DN D DT D LA D NC D NR D NTE D PD D PY D RN D SO D TI 1-10 D UP D WC.T
ALL DALL IALL BIB IBIB IND SCAN (2) TRIAL (TRI, SAM, SAMPLE, FREE)	BIB, AB, CC, CT, RN ALL, delimited for post-processing ALL, indented with text labels AN, DN, TI, AU, CS, NC, NR, CY, LA, NTE, AV (BIB is default) BIB, indented with text labels AN, CC, CT, RN TI, CT TI, CC, CT, RN	D 1-3 ALL D DALL D IALL D 8 BIB D IBIB D IND D SCAN D TRI
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC D OCC

(1) Custom display only.

(2) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT	SORT
Abstract	AB	Y	N
Accession Number	AN	Y	N
Author	AU	Y	Y
Availability	AV	Y	Y
CAS Registry Number	RN	Y	Y
Classification Code	CC	Y	Y
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Country (of Intellectual Origin)	CY	Y	Y
Document Number (NTIS Order Number)	DN	Y	Y
Document Type	DT	Y	Y
Language	LA	Y	Y
Note	NTE	Y	Y
Number of Contract (grant, project, task)	NC	Y	Y
Number of Report (includes patent information)	NR	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Source	SO	Y	N
Title	TI	Y (default)	Y
Update Date	UP (ED)	Y	Y
Word Count, Title	WC.T	Y	Y

Sample Records**DISPLAY ALL**

AN 20200001728 NTIS
 DN PB2021-100186
 TI PPE CASE (Personal Protective Equipment Conformity Assessment Studies and Evaluations): Evaluation of Self-contained Breathing Apparatus Involved in a Fatality in the Fire Service Worcester Fire Department Requested the Evaluation of a Scott Safety Air-Pak Model 4.5, 45 Minute, 4500 PSI Unit.
 CS Centers for Disease Control, Atlanta, GA (074191000)
 NR PB2021-100186; NIOSH-PPE-TN-23126
 SO (Mar 2020), 26 p.
 CY United States
 DT Report
 LA English
 ED Entered STN: 1 Jul 2021
 Last updated on STN: 1 Jul 2021
 AB This report provides a summary of the National Personal Protective Technology Laboratory's (NPPTL) inspection and evaluation methods, and findings for a SCBA that was used by the Worcester Massachusetts Fire Department firefighter during a fatal event. The SCBA was the Scott Safety Air-Pak Model 4.5, 45 minute, 4500 psi unit. The NIOSH Division of Safety Research (NIOSH DSR) and the Worcester Fire Department was advised that NIOSH NPPTL would provide a written report of the investigation and any applicable test results. NIOSH received an SCBA used by a firefighter involved in a fatality. The tested components of the SCBA were not found to contribute to the fatality. A qualified service technician must inspect, repair, test, clean, and replace damaged components of any SCBA involved in an incident before it may be returned to service.
 CC 95E Life Support Systems; 91I Emergency Services & Planning; 43D Police, Fire, & Emergency Services
 CT Personal protective equipment; Equipment testing; Protective equipment; Self contained breathing apparatus; Fire fighters; Fire fighting equipment; Fatalities; Emergency responders; First responders; Laboratory testing; Equipment design; Equipment maintenance; Equipment reliability;

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