

WASTE WATER

ADA546435

Water Reuse and Wastewater Recycling at U.S. Army Installations: Policy Implications. Construction Engineering Research Lab. (Army), Champaign, IL. Engineer Research and Development Center. 2011, 41p

Related Categories/Subcategories

68D (Water Pollution & Control)

74 (Military Sciences)

Keywords: Waste water, Recycled materials, Environments.

ELECTRIC BATTERIES

ADA565674

Wisdom from the Field: Ins-and-Outs of Developing a Top Recycling Program. Naval Facilities Engineering Command, San Diego, CA. 2011, 16p

Related Categories/Subcategories

97M (Batteries & Components)

74 (Military Sciences)

68C (Solid Wastes Pollution & Control)

Keywords: Electric batteries, Recycled materials, Collection.

CONSTRUCTION MATERIALS

ADA581214

Laboratory and Field Evaluation of In-Place Asphalt Recycling Technologies for Small Airfield Repair. Engineer Research and Development Center, Vicksburg, MS. Geotechnical and Structures Lab. 2013, 138p

Related Categories/Subcategories

50C (Construction Equipment, Materials, & Supplies)

Keywords: Asphalt, Landing fields, Pavements, Recycled materials.

DE131011491

STTR: Utilize Cementitious High Carbon Fly Ash (CHCFA) to Stabilize Cold In-Place Recycled (CIR) Asphalt Pavement as Base Course, Phase II Report to the U. S. Department of Energy. Washington State Univ., Pullman. 2011, 151p

Related Categories/Subcategories

50C (Construction Equipment, Materials, & Supplies)

50A (Highway Engineering)

Keywords: Fly ash, Recycled materials, Asphalt pavements, Aggregates.

Recycling



NUCLEAR WASTE

DE131095235

Rapid Automated Dissolution and Analysis Techniques for Radionuclides in Recycle Process Streams, Final Technical Report, 10/08/2009-9/30/2012. Nevada Univ., Las Vegas. 2012, 35p

Related Categories/Subcategories

77G (Radioactive Wastes & Radioactivity)

Keywords: Radioactive waste processing, Radioisotopes, Dissolution.

DE131097136

LWR First Recycle of TRU with Thorium Oxide for Transmutation and Cross Sections. Idaho National Laboratory, Idaho Falls, ID. 2013, 38p

Related Categories/Subcategories

77H (Reactor Engineering & Nuclear Power Plants)

77I (Reactor Fuels & Fuel Processing)

77G (Radioactive Wastes & Radioactivity)

Keywords: Water cooled reactors, Recycling, Thorium oxides.

Newsletter

National Technical Reports Library

Purpose: To bring you a sampling of documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

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SOLID WASTE (AUTOMOBILES)

DE20111010492

End-of-Life Vehicle Recycling: State of the Art of Resource Recovery from Shredder Residue.

Argonne National Lab., IL.
2011, 185p

Related Categories/Subcategories

68C (Solid Wastes Pollution & Control)
71 (Materials Sciences)

Keywords: Recycling, Residues, Automobiles, Scrap.

WEAPON SYSTEMS

ADA588232

Shock Mitigation Analysis Using Recycled Composites for Application to Guided Projectiles.

Oak Ridge Inst. for Science and Education, Belcamp, MD.
2013, 30p

Related Categories/Subcategories

46E (Structural Mechanics)

Keywords: Shock mitigation, Composite materials, Guided projectiles.

MEDICINE

ADA568808

Identification of Druggable Proteins Regulating Receptor Recycling in Breast Cancer Cells.

Texas Univ. Health Science Center at Houston.
2012, 5p

Related Categories/Subcategories

57A (Anatomy)
57S (Physiology)
57E (Clinical Medicine)

Keywords: Breast cancer, Growth(Physiology), Neoplasms.

Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

- **NTIS Order Number**
- **Title**
- **Source**
- **Report Year, Page Count**
- **Report Number/ISBN13** (if available)
- **Related Categories/Sub-categories** (where the document is also indexed)
- **Keywords**

RSS Feeds are available in your choice of NTIS Subject Category. For information use the RSS link on the NTIS Homepage and look for the Category RSS Feeds button.



MISCELLANEOUS

ADA556613

Role of Generation Volume and Photon Recycling in Transport Imaging of Bulk Materials.

Naval Postgraduate School, Monterey, CA.
2011, 49p

Related Categories/Subcategories

72F (Statistical Analysis)
63F (Optical Detection)
46C (Optics & Lasers)

Keywords: Detection, Monte Carlo method, Nuclear radiation.

METALS

DE20111029968

Membrane Purification Cell for Aluminum Recycling. Final Technical Report.

Aluminum Co. of America, Alcoa Center, PA. Alcoa Technical Center.
2011, 38p

Related Categories/Subcategories

68C (Solid Wastes Pollution & Control)
71N (Nonferrous Metals & Alloys)
97G (Policies, Regulations & Studies)

Keywords: Recycling, Aluminum, Alloys.

DE20121039705

Direct Solid-State Conversion of Recyclable Metals and Alloys.

Oak Ridge National Lab., TN.**Welding Inst., Cambridge (England).
2012, 27p

Related Categories/Subcategories

71N (Nonferrous Metals & Alloys)
68C (Solid Wastes Pollution & Control)
97G (Policies, Regulations & Studies)

Keywords: Alloys, Metals, Recycled materials.

NUCLEAR FUELS

DE20121041314

Energy Return on Investment from Recycling Nuclear Fuel.

Areva Federal Services LLC., Charlotte, NC.
2011, 79p

Related Categories/Subcategories

77I (Reactor Fuels & Fuel Processing)

Keywords: Nuclear fuels, Recycling, Cross sections.

DE20121042575

Code Qualification of Structural Materials for AFCI Advanced Recycling Reactors.

Argonne National Lab., IL. Nuclear Engineering Div.**Oak Ridge National Lab., TN.
2012, 211p

Related Categories/Subcategories

77H (Reactor Engineering & Nuclear Power Plants), 71 (Materials Sciences)

Keywords: Power reactors, Alloys, Creep, Economic analysis.

FEDERAL LABORATORY CONSORTIUM FOR TECHNOLOGY TRANSFER

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ELECTROTECHNOLOGY

DE20121042926

Novel Charge Recycling Approach to Low-Power. Oak Ridge National Lab., TN.**Tennessee Univ., Knoxville.
2012, 6p

Related Categories/Subcategories

62 (Computers, Control & Information Theory)
49 (Electrotechnology), 46 (Physics)

Keywords: Integrated circuits, Energy consumption, Capacitors.

METALS

DE20121046980

Efficient One-Step Electrolytic Recycling of Low-Grade and Post-Consumer Magnesium Scrap.

Boston Univ., MA.
2012, 73p

Related Categories/Subcategories

68C (Solid Wastes Pollution & Control)
71N (Nonferrous Metals & Alloys), 97G (Policies, Regulations & Studies)

Keywords: Electrolytic cells, Magnesium, Recycling.

SPACE FLIGHT

N140002837

International Space Station (ISS) Advanced Recycle Filter Tank Assembly (ARFTA).

National Aeronautics and Space Administration, Houston, TX. Lyndon B. Johnson Space Center.
2013, 9p

Related Categories/Subcategories

95E (Life Support Systems)
84 (Space Technology)

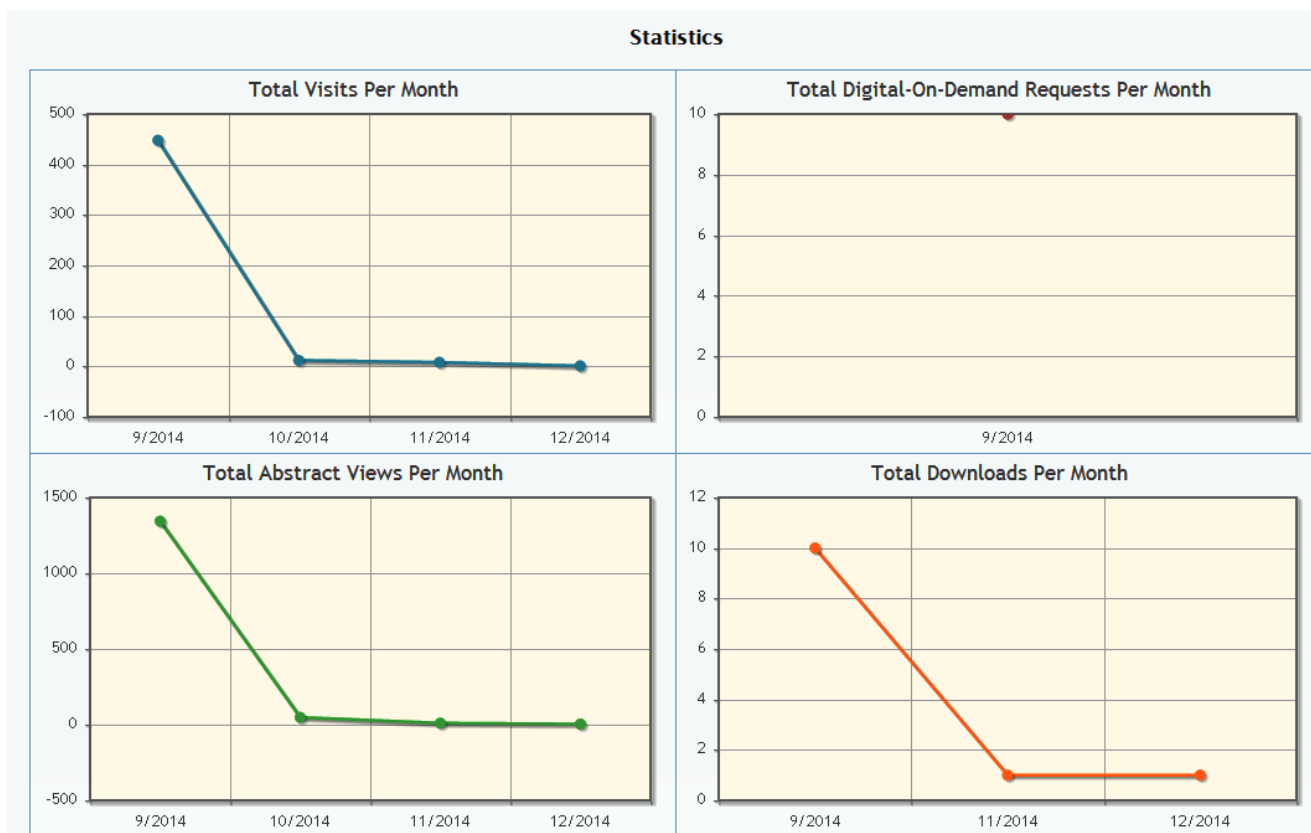
Keywords: International space station, Filtration, Urine, Recycling.

NTRL STATISTICS

NTRL now provides new statistics capabilities for Premium Institutional accounts.

Users registered as administrators now have the capability to automatically generate the following charts:

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Downloads Per Date Report

Please enter the dates for the report

From : To :

Additionally, administrators are now able to generate an Excel report of the PDF downloads that have been made in a particular time frame. This report shows the date in which the PDF was downloaded, the IP address from which the request was made, and the user id (if the user first authenticated).

MANUFACTURING

N20110008523

Recycling Flight Hardware Components and Systems to Reduce Next Generation Research Costs.

National Aeronautics and Space Administration, Cocoa Beach, FL. John F. Kennedy Space Center.
2011, 13p

Related Categories/Subcategories

84A (Astronautics)

Keywords: Cost reduction, Recycling, Research.

N20130011073

Model-Based Diagnosis and Prognosis of a Water Recycling System.

National Aeronautics and Space Administration, Moffett Field, CA. Ames Research Center.
2013, 9p

Related Categories/Subcategories

95E (Life Support Systems)

68D (Water Pollution & Control)

Keywords: Waste water, Recycling, Space flight.

PB2011110149

Information Model for Disassembly for Reuse, Recycle, and Remanufacturing.

National Inst. of Standards and Technology (MEL), Gaithersburg, MD.
2011, 79p

Related Categories/Subcategories

62 (Computers, Control & Information Theory)

71 (Materials Sciences)

94A (Production Planning & Process Controls)

68 (Environmental Pollution & Control)

Keywords: Disassembly, Manufacturing, Recycled materials.

PB2004104879

Recycling Computers and Electronic Equipment: Legislative and Regulatory Approaches for 'E-Waste'. Congressional Research Service, Washington, DC. Resources, Science, and Industry Div.
2002, 28p

Related Categories/Subcategories

68C (Solid Wastes Pollution & Control)

Keywords: Computers, Electronic equipment, Recycling, Legislation.

PB2006101144

Technology Recycling: Achieving Consensus for Stakeholders. Roundtable Electronics Recycling. Held in Washington, DC. on September 21, 2004. Department of Commerce, Washington, DC.
2004, 136p

Related Categories/Subcategories

68 (Environmental Pollution & Control)

68C (Solid Wastes Pollution & Control)

49 (Electrotechnology)

96 (Business & Economics)

Keywords:*Electronic equipment, Recycling, Meetings.

PB2011108421

Review of Federal Prison Industries' Electronic-Waste Recycling Program. Department of Justice, Washington, DC. Office of the Inspector General.
2010, 433p

Related Categories/Subcategories

91C (Fire Services, Law Enforcement, & Criminal Justice)

70 (Administration & Management)

68C (Solid Wastes Pollution & Control)

57U (Public Health & Industrial Medicine)

Keywords: Correctional facilities, Electronic equipment, Waste recycling,

PB2011108422

Review of Federal Prison Industries Electronic-Waste Recycling Program. Appendix - Volume I. Department of Justice, Washington, DC. Office of the Inspector General.
2010, 1008p

Related Categories/Subcategories

91C (Fire Services, Law Enforcement, & Criminal Justice)

70 (Administration & Management)

68C (Solid Wastes Pollution & Control)

57U (Public Health & Industrial Medicine)

Keywords: Correctional facilities, Electronic equipment, Waste recycling,

Major Subject Categories

Category Codes*/Title

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* Scope Notes define the specific topical content for each category;

<http://www.ntis.gov/pdf/scopenotes.pdf>

** Quantities represent each new report assigned on average to 3-5 categories.

Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

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Subject selections:

Agriculture and Food

Biomedical Technology and Human Factor

Engineering

Building Industry Technology

Business & Economics

Civil Engineering

Communication

Computers, Control & Information Theory

Electrotechnology

Energy

Environmental Pollution and Control

Government Inventions for Licensing

Health Care

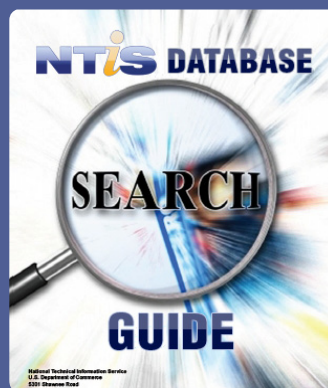
Manufacturing Technology

Materials Sciences

Ocean Sciences and Technology

Transportation

Photo: Architect of the Capitol



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Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Web site. The list is in alphabetical order by title.

NTIS Number	Category	Title
DE20121042575	77	Code Qualification of Structural Materials for APCI Advanced Recycling Reactors.
PB2012102624	48	Criterion 6, Indicator 33: Recovery or Recycling of Forest Products as a Percentage of Total Forest Products Consumption.
DE20121039705	71	Direct Solid-State Conversion of Recyclable Metals and Alloys.
PB2012111491	50	Durability Assessment of Recycled Concrete Aggregates for Use in New Concrete. Phase 1 - Report.
PB2012108633	50	Effects of Recovered Binders from Recycled Shingles and Increased RAP Percentages on Resultant Binder PG. Final Report 2009-2011.
DE20121046980	68	Efficient One-Step Electrolytic Recycling of Low-Grade and Post-Consumer Magnesium Scrap.
DE20111010492	68	End-of-Life Vehicle Recycling: State of the Art of Resource Recovery from Shredder Residue.
DE20121041314	77	Energy Return on Investment from Recycling Nuclear Fuel.
PB2012100796	50	Evaluate Recycled Concrete as Hot Mix Asphalt Aggregate.
PB2012102042	50	Evaluation of Cement and Fly Ash Treated Recycled Asphalt Pavement and Aggregates for Base Construction.
PB2011113463	57	Fatality Assessment and Control Evaluation (FACE) Report: Seven Career Fire Fighters Injured at a Metal Recycling Facility Fire in California.
ADA568808	57	Identification of Druggable Proteins Regulating Receptor Recycling in Breast Cancer Cells.
PB2011110149	62	Information Model for Disassembly for Reuse, Recycle, and Remanufacturing.
N140002837	95	International Space Station (ISS) Advanced Recycle Filter Tank Assembly (ARFTA).
ADA581214	50	Laboratory and Field Evaluation of In-Place Asphalt Recycling Technologies for Small Airfield Repair.
PB2012101267	50	Laboratory Evaluation of Characteristics of Recycled Asphalt Pavement in Kansas.
DE131097136	77	LWR First Recycle of TRU with Thorium Oxide for Transmutation and Cross Sections.
DE20111029968	68	Membrane Purification Cell for Aluminum Recycling. Final Technical Report.
N20130011073	95	Model-Based Diagnosis and Prognosis of a Water Recycling System.
DE20121042926	62	Novel Charge Recycling Approach to Low-Power.
PB2012100262	50	Performance of Corrugated Pipe Manufactured with Recycled Polyethylene Content.
DE131095235	77	Rapid Automated Dissolution and Analysis Techniques for Radionuclides in Recycle Process Streams, Final Technical Report, 10/08/2009-9/30/2012.
PB2012100265	50	Recycling and Reclamation of Asphalt Pavements Using In-Place Methods. National Cooperative Highway Research Program (NCHRP) Synthesis 421. A Synthesis of Highway Practice.
N20110008523	84	Recycling Flight Hardware Components and Systems to Reduce Next Generation Research Costs.
ADA556613	72	Role of Generation Volume and Photon Recycling in Transport Imaging of Bulk Materials.
ADA588232	46	Shock Mitigation Analysis Using Recycled Composites for Application to Guided Projectiles.
DE131011491	50	STTR: Utilize Cementitious High Carbon Fly Ash (CHCFA) to Stabilize Cold In-Place Recycled (CIR) Asphalt Pavement as Base Course, Phase II Report to the U. S. Department of Energy.
PB2012113293	50	Utilizing Coal Fly Ash and Recycled Glass in Developing Green Concrete Materials.
ADA546435	68	Water Reuse and Wastewater Recycling at U.S. Army Installations: Policy Implications.
ADA565674	97	Wisdom from the Field: Ins-and-Outs of Developing a Top Recycling Program.