

What's New from CAS?

ICIC 2012

Berlin, 16 October 2012

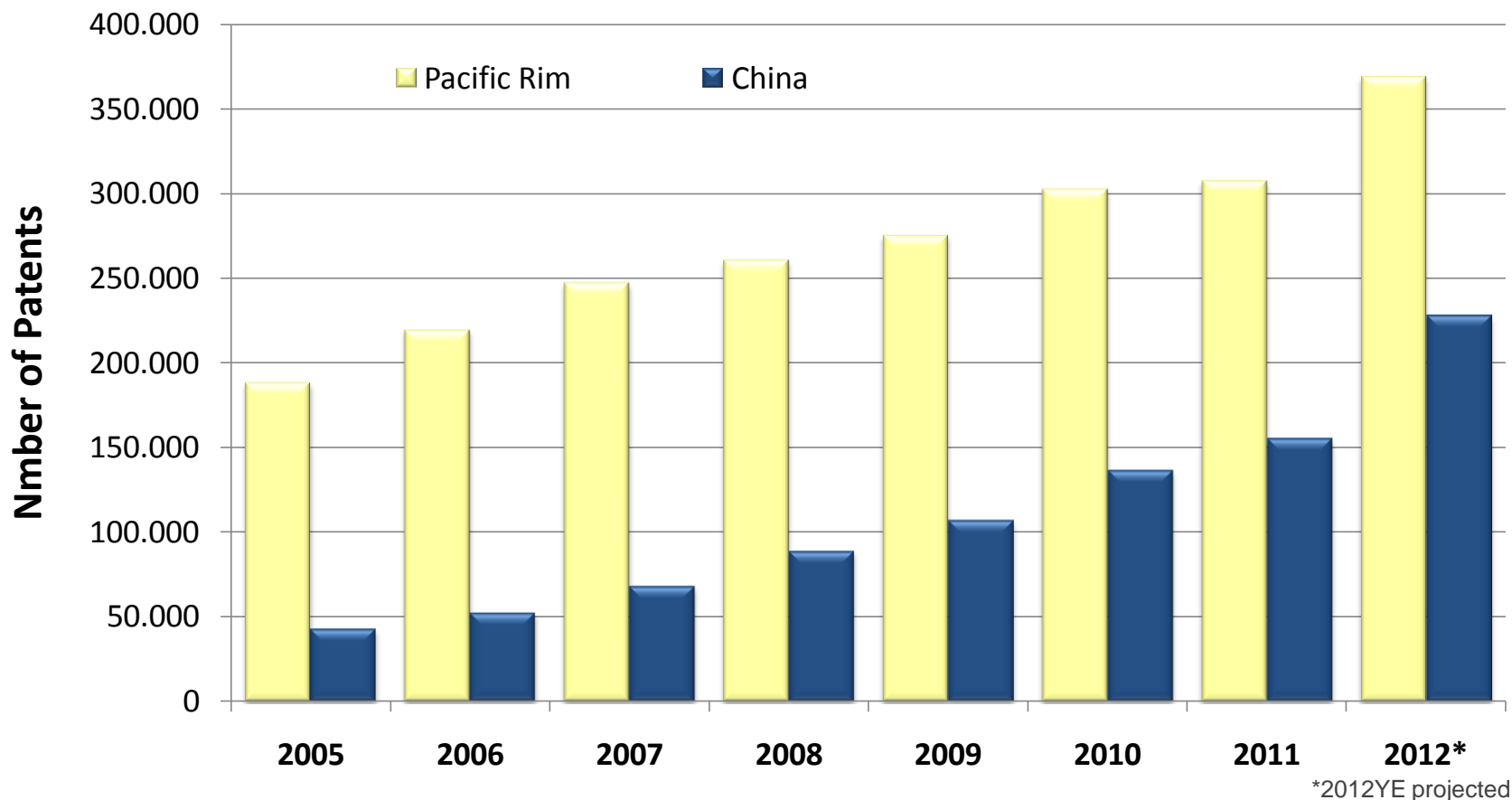
Paul Peters

CAS continues to enhance the world's authoritative chemistry collection

- **CAS REGISTRYSM rapidly approaches 70 million organic and inorganic substances**
- **Novel substance indexing expanded to basic patents from all 63 covered patent authorities**
 - More complete coverage of patent substances in CAS REGISTRY
 - Earlier access to basic patents in CAplusSM
- **Backfile content from 1987 added to MARPAT[®] for English, German and Japanese patents**
- **Daily database updates enhance CASREACT[®] currency**
- **More experimental property data now contained in CAS REGISTRY with the addition of more than 120,000 Wiley mass spectra and NMR spectra**

Growth of Asian patent coverage and excellent currency make CPlus the leading source for chemical patent content from Asia

Number of Asian Patents Added to CPlus by Year, 2005-2012



New SciFinder[®] features help scientists increase productivity

The latest update improves precision and evaluation of reaction answer sets in SciFinder

- **Group Reaction Answers by Transformation**
 - Speeds evaluation synthesis options and preferred pathways by grouping single-step reaction answers by transformation type
 - Classifies answers in a way that is meaningful to synthetic chemists
 - Lets you easily manage and evaluate large, comprehensive answer sets
 - Takes advantage of more than 500 common transformation types
- **Share SciPlanner[™] Plans**
- **Get More Precise Reaction Answer Sets**
 - New default role (reactant) assigned to components left of the reaction arrow
 - The former reactant/reagent role is now an option

Group by reaction transformation features save users time reviewing reaction answer sets

Reactions Get References Tools Send to SciPlanner

540 Reactions 0 Selected Save Print Export

NEW Group by: Transformation Sort by: Frequency ↓ Answers per Page [15]

Select All Deselect All

1. Reduction of Nitro Compounds to Amines
289 Reactions

$$\text{R-NO}_2 \longrightarrow \text{R-NH}_2$$

Click on link to see reactions associated with a given reaction transformation

2. Substitution of Aromatic Halides with Nitrogen Nucleophiles
17 Reactions

$$\text{Ar-X} + \begin{array}{c} \text{R} \\ | \\ \text{R-NH} \end{array} \longrightarrow \text{Ar-N} \begin{array}{c} \text{R} \\ | \\ \text{R} \end{array}$$

3. Halogenation of Aromatic Compounds
4 Reactions

$$\text{Ar-H} \xrightarrow{\text{X}_2} \text{Ar-X}$$

4. Reduction of Nitriles to Amines
3 Reactions

New STN[®] platform, beta version introduces an exciting new era for STN

The image shows a login interface for the STN platform. The background is a dark blue gradient with faint, glowing icons of chemical structures, DNA double helices, and industrial equipment. In the center, the letters "STN" are displayed in a large, bold, white font with a slight shadow. Below "STN" is the tagline "THE CHOICE OF PATENT EXPERTS™" in a smaller, white, sans-serif font. At the bottom of the interface, there are two white input fields labeled "username" and "password". To the right of the "password" field is an orange button with the text "Sign In". Below the "username" field is a checkbox labeled "Remember me". To the right of the "Sign In" button is a link that says "Contact Us".

STN[®]

THE CHOICE OF PATENT EXPERTS™

username password [Sign In](#)

Remember me [Contact Us](#)

The new STN platform provides a modern user experience while retaining the search power relied upon by IP professionals and patent offices worldwide

The new STN platform features

- **Virtually no system limits for structure or text searches**
- **More efficient project-oriented workflow with simultaneous query and results interaction**
- **Real-time analysis of results**
- **Vastly increased search speed and power**
- **Detailed proximity operators to support search precision**



A division of the American Chemical Society

Thank you!
See us at the exhibit

Paul Peters
ppeters@cas.org

help@cas.org
www.cas.org
@caschatter
1-800-753-4227