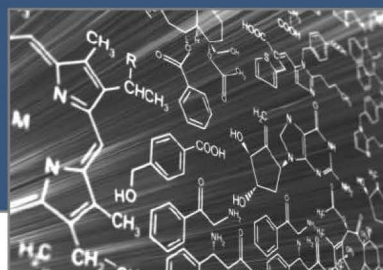


Switch to STNext®

STNext® has your favorite STN® on the WebSM capabilities!

- + Structure draw
- + Transcript export/download
- + Reports from transcripts
- + Analysis on results in history
- + High quality data sources



STNext My Files

Transcript ON 2018_0202_Transcript

File CAPLUS

LA Patent | English 1 of 50

Depth-resolved mid-infrared photothermal imaging of living cells and organisms with sub-micron spatial resolution

PatentPak - Full Text

Entered Name: Zhang, Deling; Cheng, Ji-jin
Patent Assignee: USA
Accession Number: 2018:036484 CAPLUS
Document Number (CA Abstr): 168384549
Number:
Serial: U.S. Pat. Appl. Publ. 20pp., Chemical Indexing Equivalents to 168384549 OVID CODING: USXICD

Entered STN: 30 Mar 2018
Family Accession Number Count: 2

Systems and methods are disclosed for sensing vibrational absorption induces photothermal effect via a mid-IR visible light source. A mid-IR photothermal probe (MI-PTP or MIP) approach achieves 10 mM detection sensitivity and sub-micron lateral spatial resolution. Such performance exceeds the diffraction limit of IR microscopy and allows label-free three-dimensional, in vivo, imaging of live cells and organisms.

PatentPak Patent Information:

PATENT NO.	KIND	DATE	LANGUAGE	PatentPak
US 20180080001A1	A1	20180329	English	PDF PDF+ Interactive
WO 2018064028	A1	20180405	English	PDF

PatentPak Location
1314-98-3 Zinc sulfide, pg 19
1315-09-9 Zinc selenide, Pg 19
1317-82-4 Sapphire, pg 19
7660-21-3 Silicon, Pg 19

Submit Draw Scripts

Need help upgrading to STNext? Check out these informative video resources.

Do More With STNext

Take Control of Your Transcripts

- + Rename or download your transcripts while in a session
- + Pause and resume transcript capture
- + Download any transcript in PDF, RTF, TXT or ZIP formats
- + Start a new transcript any time – including retrospective capture
- + Append or overwrite a previous transcript
- + Create folders and move transcripts to stay organized
- + Bulk download all transcripts in a folder
- + Create reports for answers displayed during your session

1 Access your Transcripts from the My Files menu.

The screenshot displays the STNext interface. At the top, the 'My Files' menu is highlighted with a yellow box and a '1' in a yellow circle. A dropdown menu is open, showing 'Transcripts' highlighted with a yellow box and a '1' in a yellow circle. Below this, a 'Transcripts' panel is shown with a list of transcripts, including '2018_0197_Transcript' which is 'currently active'. To the right, a 'Reporting' dialog box is open, showing options for 'Include L#s', 'Use template', and 'Use format'. The 'Report' option is highlighted with a yellow box and a '2' in a yellow circle. The 'Reporting' dialog also shows options for 'Journal', 'Patent', 'Patent and Journal', 'Substance Report', and '2018_0003_Template'. The 'Use format' section has 'Standard', 'Enhanced', and 'Table' options, with 'Table' selected.

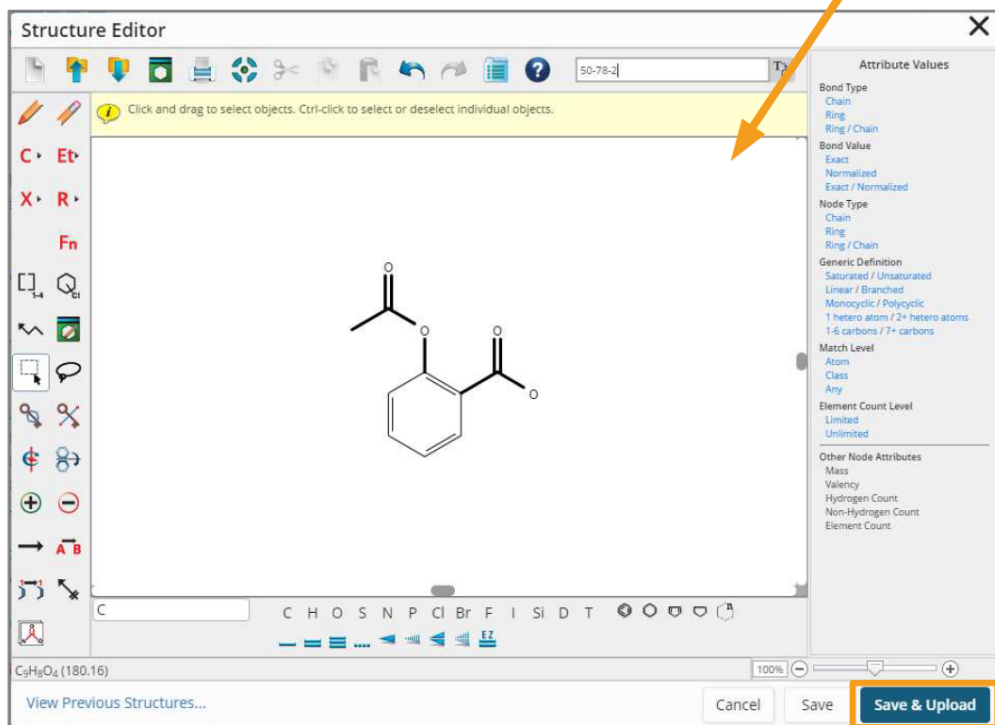
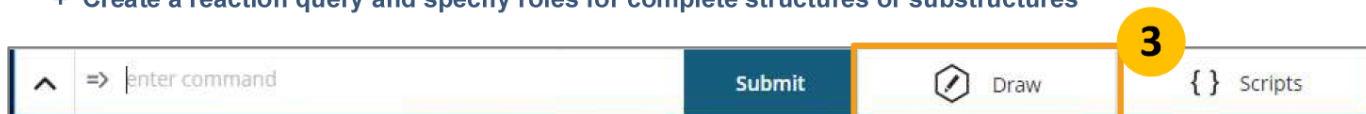
2 Create Reports during your session

- Select Transcripts from the My Files menu.
- Click the ... icon and select Report for a transcript.
- Choose L-numbers and specify answers to report.
- Configure the report parameters using predefined templates or customize.

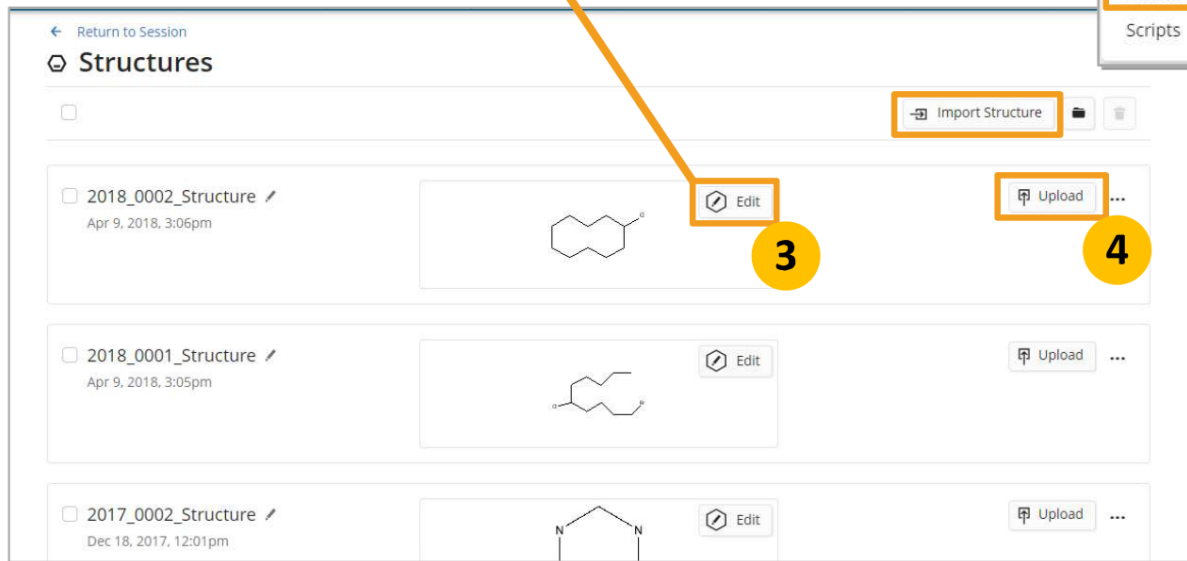
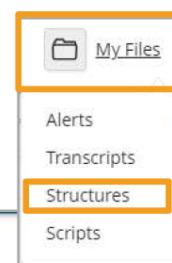
TIP - You can add a header, footer and cover page to your report.

Leverage the Power of Structure Searching

- + Import structures in STR, CXF or MOL formats
- + Convert CAS Registry Numbers® to structure drawings
- + View attributes of structures to streamline your structure query development
- + Use structure templates to draw a predefined structure
- + Define R-groups, functional groups, VPA and more in your structures
- + Create a reaction query and specify roles for complete structures or substructures



3 Use the Structure Editor to draw or modify substances, import structure files, or convert a CAS Registry Number into a drawing.



4 Structure drawings or substances saved to your Structures list can be uploaded to your query with a simple click.

Do More With STNext

Get All the Results

- + Setup single or multi-file Alerts (SDI) and manage your search results
- + Analyze answers from session history
- + Review database and cluster options
- + Leverage the CAS Lexicon

5 Perform analysis on your results right from the History tab.

The 'Analyze' modal window displays the following data in its heatmap:

Author / Inventor	2015	2016	2017	2018
ABADI, PARISA P. S.				1
ABDEH, MCHAMMAD REZA	1			
ABDOLAHAD, MOHAMMAD				1
ABDOLLAHL ATOUSA				1
ABDULHALIM, IBRAHIM			1	
ABDULLAEV, S. D.		1		
ABULNOUR, ABDELGHANI...		1		
ACHARYA, CHHAYAKANTA			1	
EFFENDI, NINGS				1

- 6** Leverage the extensive CAS Lexicon to build your query with synonyms, broader terms, narrower terms and related terms.

6 CAS Lexicon

Glycogen phosphorylase

Clear | Collapse All

- Glycosyltransferase
- Phosphorylase
 - Glycogen phosphorylase **Add All**
 - Synonyms **Add All**
 - Narrower Terms **Add All**
 - Phosphorylase a ●●●
 - Phosphorylase b ●●●

OR **Add Term**

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