

GUGM 2023 Ex Libris Strategic Roadmap

Guy Ben Porat, VP Academic Discovery and Student Engagement

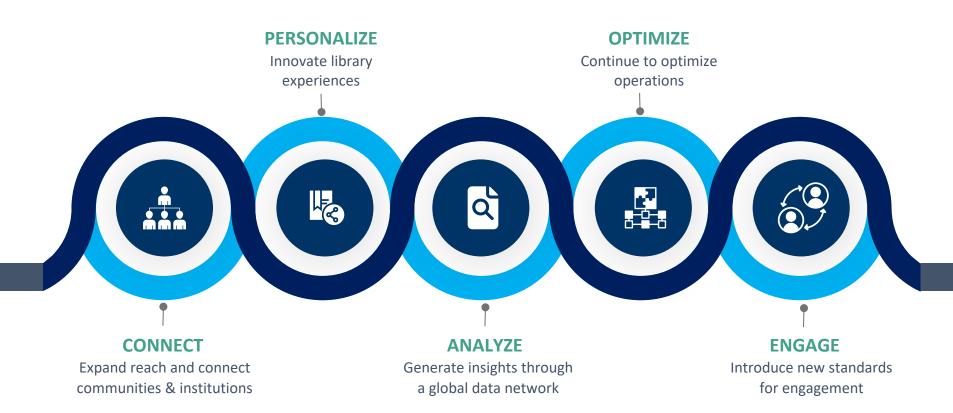


Today, Tomorrow and the Day After





Looking ahead: 2023 to 2025

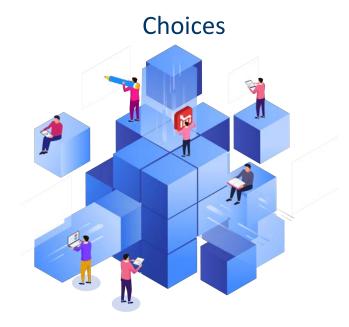




Free to connect, Free to choose

We believe every library needs









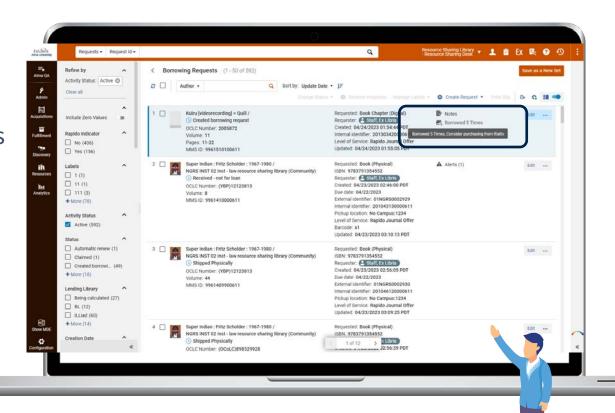
A World of Connected Products



Streamline End-To-End Workflows



Purchasing decisions based on resource sharing information.





Link Data Holistic Approach



End-to-end solution from content, through resource management to end user services.



Scholarly Trusted AI Framework



- Al model trained on scholarly resources
- Collaboration with the community from early stage.
- Pilot with a leading AI Platform



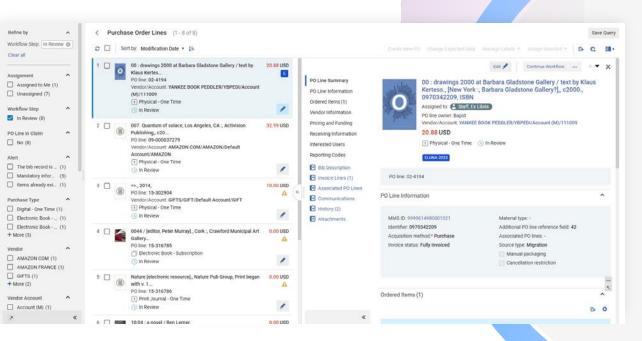


Alma



Workflow Simplification

PO LINE TASK LIST NOW EARLY ACCESS



Benefits

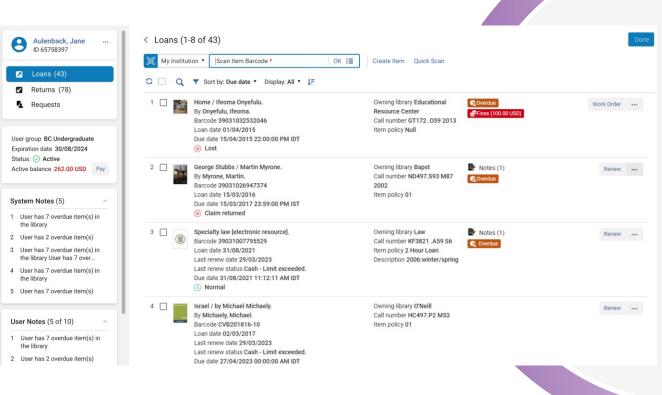
- Reduction in required clicks for common actions
- "All PO lines" menu link
- No "GO to task list" action
- "Receive" action from the PO line itself
- Multi select facets
- Labels
- Bulk assignments
- Sliding panel to keep the user oriented
- Section customization

Join Noam Fass Alma Acquisitions Update Wednesday 2:30 PM



Workflow Simplification

PATRON SERVICES



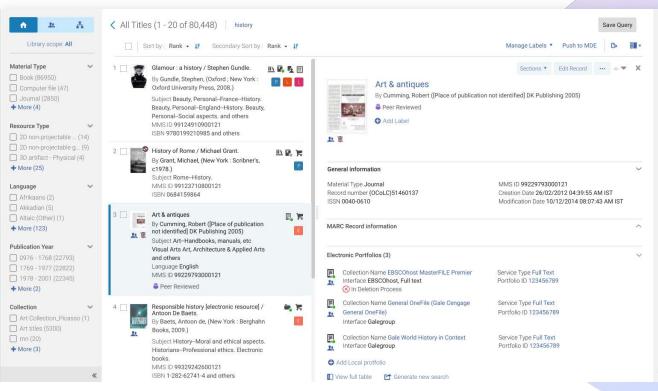
Benefits

- Improved navigation
- Visual tips
- Easier management
- Reduction in required clicks (1-3) for common actions



Workflow Simplification

REPOSITORY SEARCH



Benefits

- Reduction in required clicks for common actions
- MARC simple view upfront
- New Item Section
- Actionable Inventory Information



Linked Data – Plans for 2023/2024





Ability to store and use Linked Open Data records User will be able to use APIs to create and upload

It will be possible to manage inventory and preform fulfillment workflows for these instances,

as well as discover them in Primo VE.



MARC & Linked Data





MARC will continue to exist along side Linked Data MARC can be enriched with LD elements to be utilized for richer display



MARC 21 Linked Open Data URI enhancements

Catalogers will be able to add URIs in \$\$1, which will then be searchable in Alma in Real World Object indexes.

Cataloger URIs (starting with Wikidata) will impact the data used for creator info-cards displayed to patrons.



Collaborative Collection Management

THE CHALLENGE:

- Shelving space
- Budget constraints
- The "long tail": hard-to-find materials, very useful to few patrons in each library



THE ANSWER:

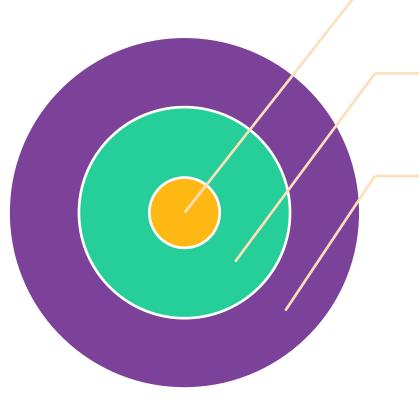
Cooperation and Collaboration

- Collection Retention Agreements
- Joint Acquisition
- Joint Storage
- Analytical Management

Consortia:
 Central configuration by central office
 more centralized operational policies



Levels of Collaboration



Alma Institution

- Renewal
- Expand collection

Alma Consortia

- Last copy
- Retention
- Share storage

Collaborative Collection

- Resource Sharing
- Retention agreements
- Electronic buying club
- Shared Print

Alma existing Overlap analysis tool



Shared Print initiatives







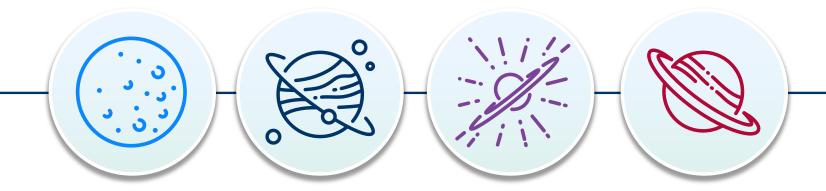
NDE – Next Discovery Experience



Stars are aligning for the Next Discovery Experience

Emerging generative AI technologies

Updated UX Development Tool



Expectation for consumer-like experience

New Linked Data practices



Our ways to a new discovery experience



New UX for Primo pages

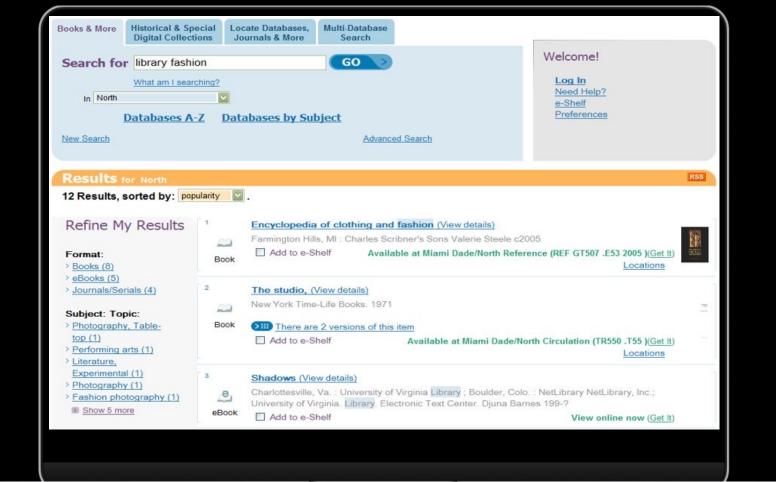


Linked data experience

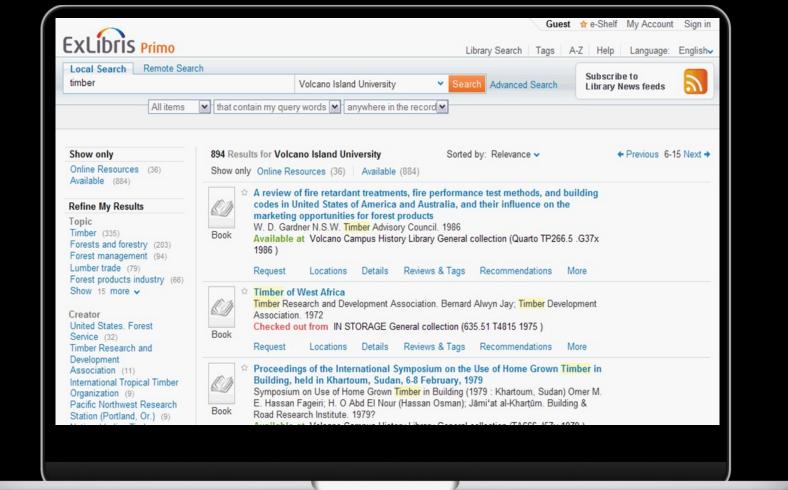


Take advantage of new AI tech

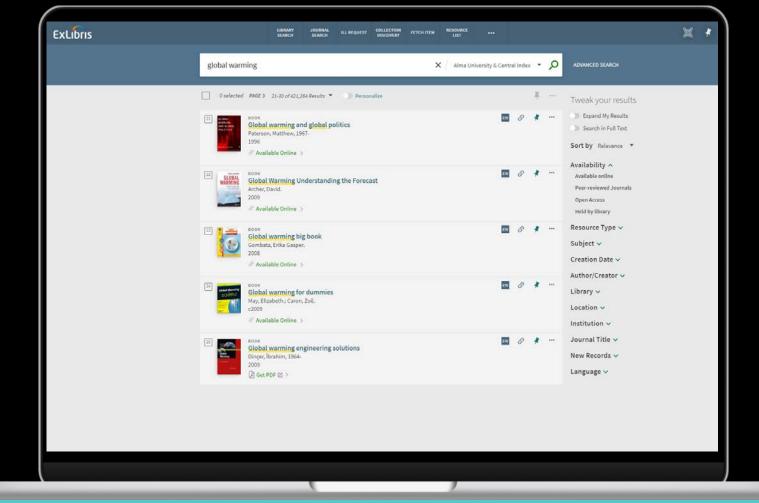




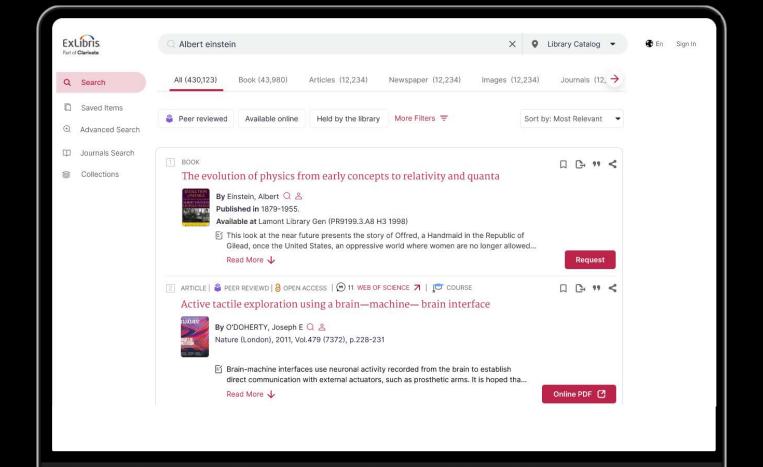
Primo Version I



Primo Classic



Primo New UI



Primo NDE



New Discovery Experience

Search

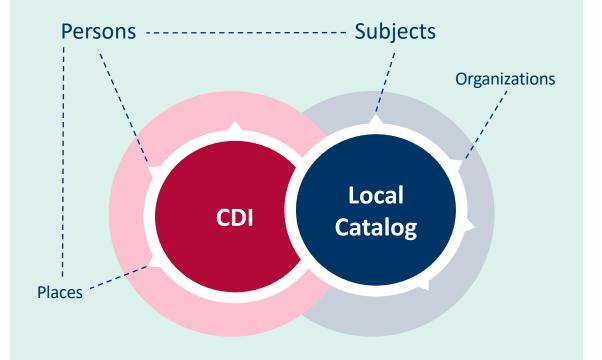
Exploration

Autocomplete

Recommendation

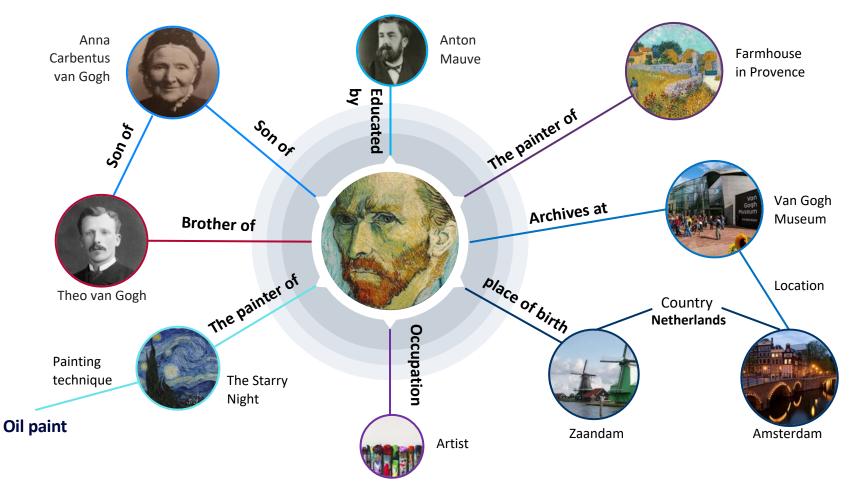
Linking out

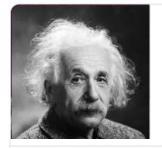
New Linked Data Network





Linked Data Triplets – 2 Entities and their connection type





Albert Einstein, 1879–1955

German-born theoretical physicist; developer

Person Information



Albert Einstein was a German-born theoretical physicist, widely acknowledged to be one of the greatest physicists of all time. Einstein is known for developing the theory of relativity, but he also made important contributions to the development of the theory of quantum mechanics. Relativity and arranti na manahantan aya tawathay tha tirra millaya af mandaya mbiratan. His mana manyari amin'intanan

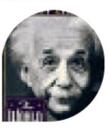
How will the **Discovery Experience** leverage from a person entity and its triplets?

Titles written by Albert Einstein



Relativity: the Special & the General Theory

Albert Einstein 1879-1955; Hanoch Gutfreund; Jürgen Renn 1956-



The world as I see it.

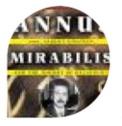
Albert Einstein 1879-1955[Abridged d.1New York



Einstein, Albert

Relations: Person <-> Title Person <-> Person

Titles written about Albert Einstein



Annus mirabilis:

ginsteh.



Albert Einstein: a biography

Albrecht Fölsing 1940 New York: Viking



Einsteins Akte: Einsteins Jahre in Deutschland aus...

Siegfried Grundmann Berlin: Springer @1998

Related People



Leopold Infeld

Co-author

"The evolution of physics; the growth of ideas from early concepts to...



Stephen Hawking

Editor

"A stubbornly persistent illusion: the essential scientific works of...

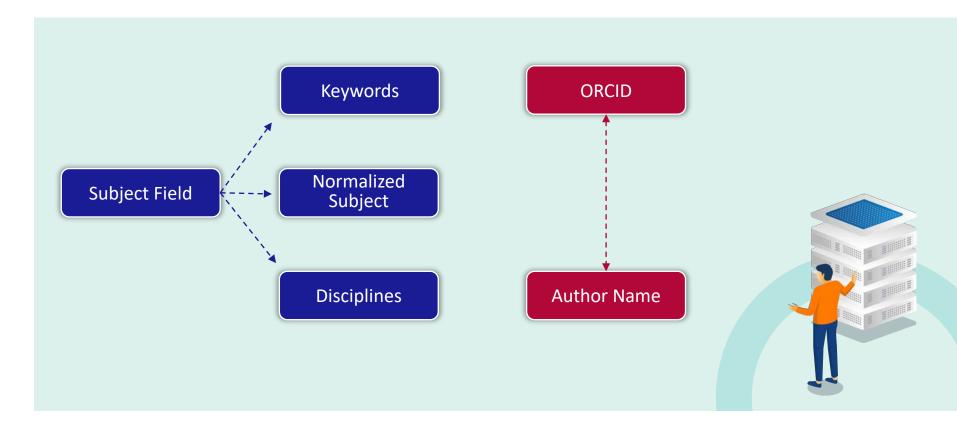


Lise Meitner Contributor Feier der 100.





CDI – Data Projects

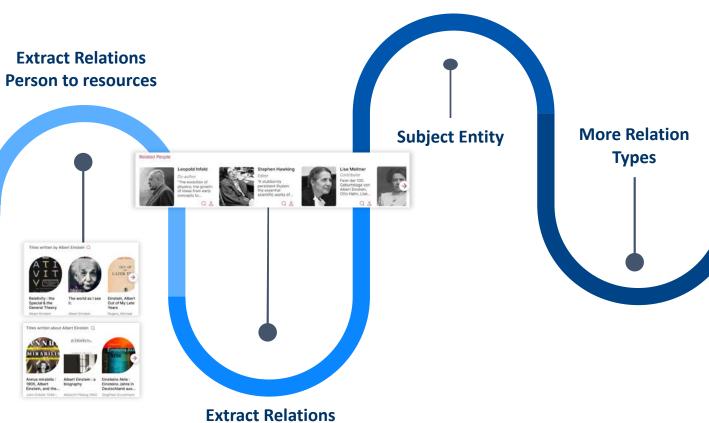




Getting there



Person Entity



Person to Persons

ARTIFICIAL?

Meet your new assistant!



Categories of Services "Known Item" citation support SMALL TOOLS, **BIG IMPACT** Search and **Enhanced result** Selection list



Sample of Services

1

Natural Language search

Search for material in your own words

(2)

Translate searches and abstracts on the go

Find material in other languages

3

Full text direct

Provide a citation or ID – get the pdf with one click

4

Al-generated structured work summaries

See important aspects and conclusions of a work at one glance

5

Citation list assistant

Provide a known-item list, get

- An augmented list in a format you want
- Full text pdfs for all available
- A report with the details













Conversational Discovery – Concerns

"Not provides facts, making up things"

"not fit with institutional teaching and learning principles"

"bring unintended bias and consequences"

"no proper accreditation"



"generate incorrect information"



Making it work





Welcome to the Next Discovery Experience

Conversational Discovery



Q Search in the Library



Library Catalog

Welcome to the Next Discovery Experience

Conversational Discovery



Ask me anything...



Welcome to the Next Discovery Experience

Conversational Discovery



Tell me about the Honey yield conditions and characteristics of honeys in California |





Z Tell me about the Honey yield conditions and characteristics of honeys in California

California is known for producing a variety of honeys such as orange blossom, sage, eucalyptus, avocado, and wildflowe [11]. The quality criteria for honey are well specified by the European Community Guidelines 2001/110. The main criteria of interest are moisture, electrical conductivity, ash, reducing and nonreducing sugare, free acidity, diastase activity, and hydroxymethylfurfural (HMF) content [21].

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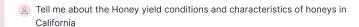


See more results at the library site 7









California is known for producing a variety of honeys such as orange blossom, sage, eucalyptus, avocado, and wildflower [1] a. The quality criteria for honey are well specified by the European Community Guidelines 2001/110. The main criteria of interest are moisture, electrical

activity, and hydroxymethylfurfural (HMF) content [2] .

Were any studies on the impact of pollen consumption on honey bee (Apis mellifera) digestive physiology and carbohydrate metabolism done in California?

conductivity, ash, reducing and nonreducing sugars, free acidity, diastase

I found a few studies that might interest you. One study investigated the impact of pollen consumption on honey bee (Apis mellifera) digestive physiology and carbohydrate metabolism [3] [4] Another study compared the effects of three pollen types on the survival rate prepupal weight, developmental stage, and pollen digestibility in honey bee (A. mellifera) larvae. A third study compared the effects of eight different mixed-pollen diets on queenless adult survival and physiologyi [5].



5 2 6 7

See more results at the library site 🗷



[1] Range and Frequency of Africanized Honey Bees in California (USA)

By Kono, Yoshiaki ; Kohn, Joshua R; Wicker-Thomas, Claude

Online PDF 🖸



ARTICLE **[**2] Admixture in Africanized honey bees (Apis mellifera) from Panamá...

By Zárate, Daniela; Lima, Thiago G.; Poole, Jude D.; Calfee, Erin; Burton,...

Request

American Journal of ARTICLE The Great Bee Migration: Supply Analysis of Honey Bee Colony Shipments... By Goodrich, Brittney K; Williams, Jeffrey C; Goodhue, Rachael E... Online PDF 🖸

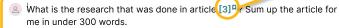


Genome Sequencing of Museum Specimens Reveals Rapid Changes i...



I found a few studies that might interest you. One study investigated the impact of pollen consumption on honey bee (Apis mellifera) digestive physiology and carbohydrate metabolism [3]P [4]P. Another study compared the effects of three pollen types on the survival rate, prepupal weight, developmental stage, and pollen digestibility in honey bee (A. mellifera) larvae. A third study compared the effects of eight different mixed-pollen diets on queenless adult survival and physiologyi [5]P.





Due to climate variability and the locations of forage sources, there are regional differences in honey production and honey bee colony populations within the U.S. This article suggests a use of Geographically Weighted Regression (GWR) methods over data from 2007-2018 to explain the differences and suggest the shipping costs to Almond pollination are a big factor, while actual pollination costs are not.



Over the last two decades, the number of honey bee colonies performing pollination services for the California almond industry has grown steadily and now equals a substantial share of all colonies in the United States. Most US beekeeping operations have not expanded their colony numbers at the current levels of almond pollination fees. Thus, as almond acreage has increased, the marginal supplier of colonies has moved further away from California, increasing interstate shipments. We provide a conceptual representation of the supply and demand of U.S. colonies for almond pollination, and utilize the relatively inelastic demand for colonies to explore spatial elasticities of supply. We combine colony shipment data from 2007 to 2018 provided by the California Department of Food and



ARTICLE
The Great Bee Migration:
Supply Analysis of Honey
Bee Colony Shipments...

By Goodrich, Brittney K ; Williams,
Jeffrey C ; Goodhue, Rachael E...

Online PDF [2]



ARTICLE [7] [4]
Genome Sequencing of
Museum Specimens
Reveals Rapid Changes i...
Cridland, Julie M; Ramirez, Santiago R; Dean, Cheryl A; Sciligo, Amber i...

Online PDF 🖸



Preliminary analysis shows that feral and managed honey bees in...

Geffre, Amy ; Travis, Dillon ; Kohn,
Joshua ; Nieh, James...

Online PDF (2)

[7]

Our ways to a next discovery experience





New UX for Primo pages



Linked data experience



Take advantage of new AI tech







Part of **Clarivate**