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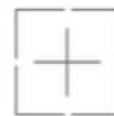
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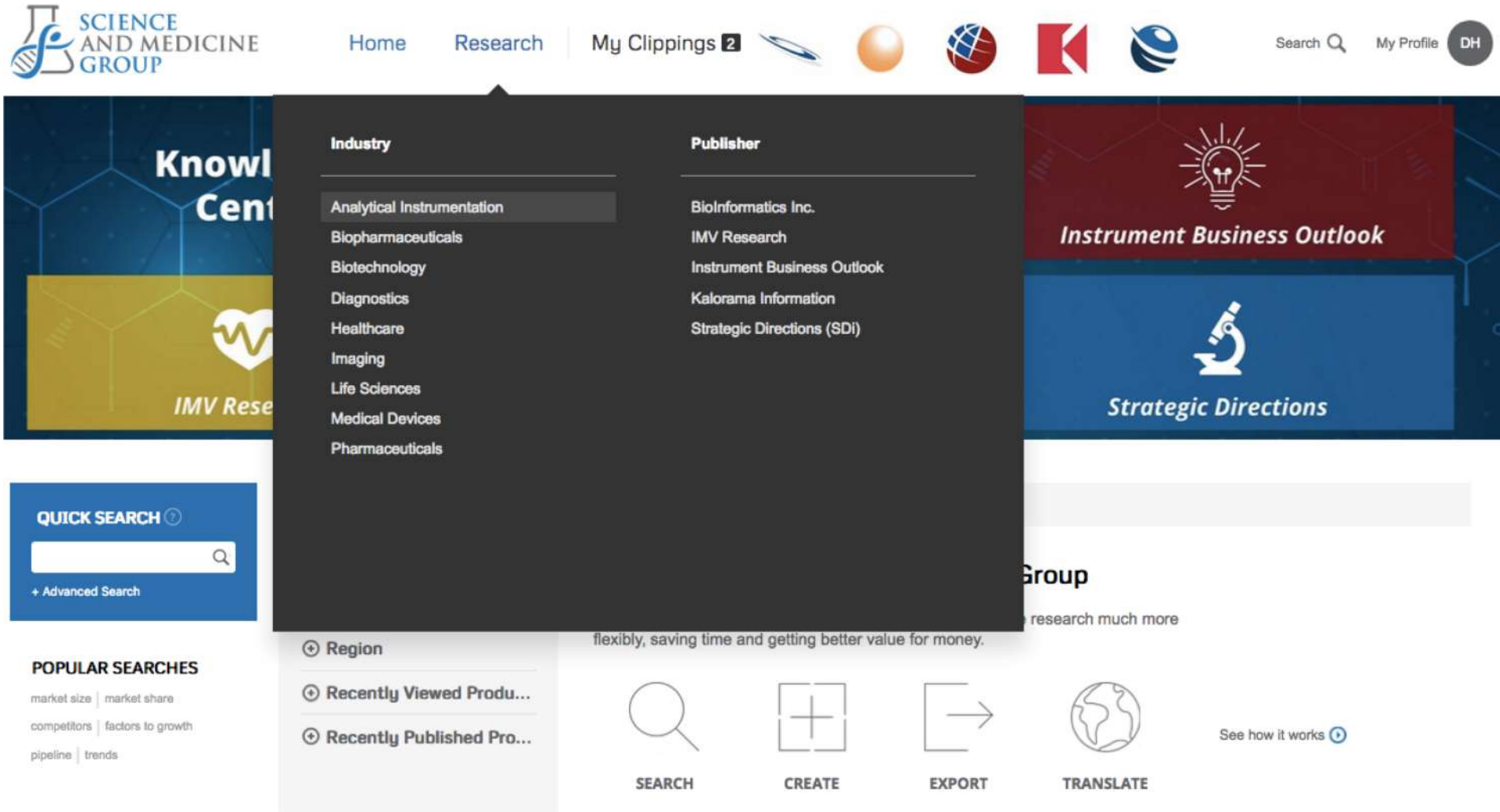
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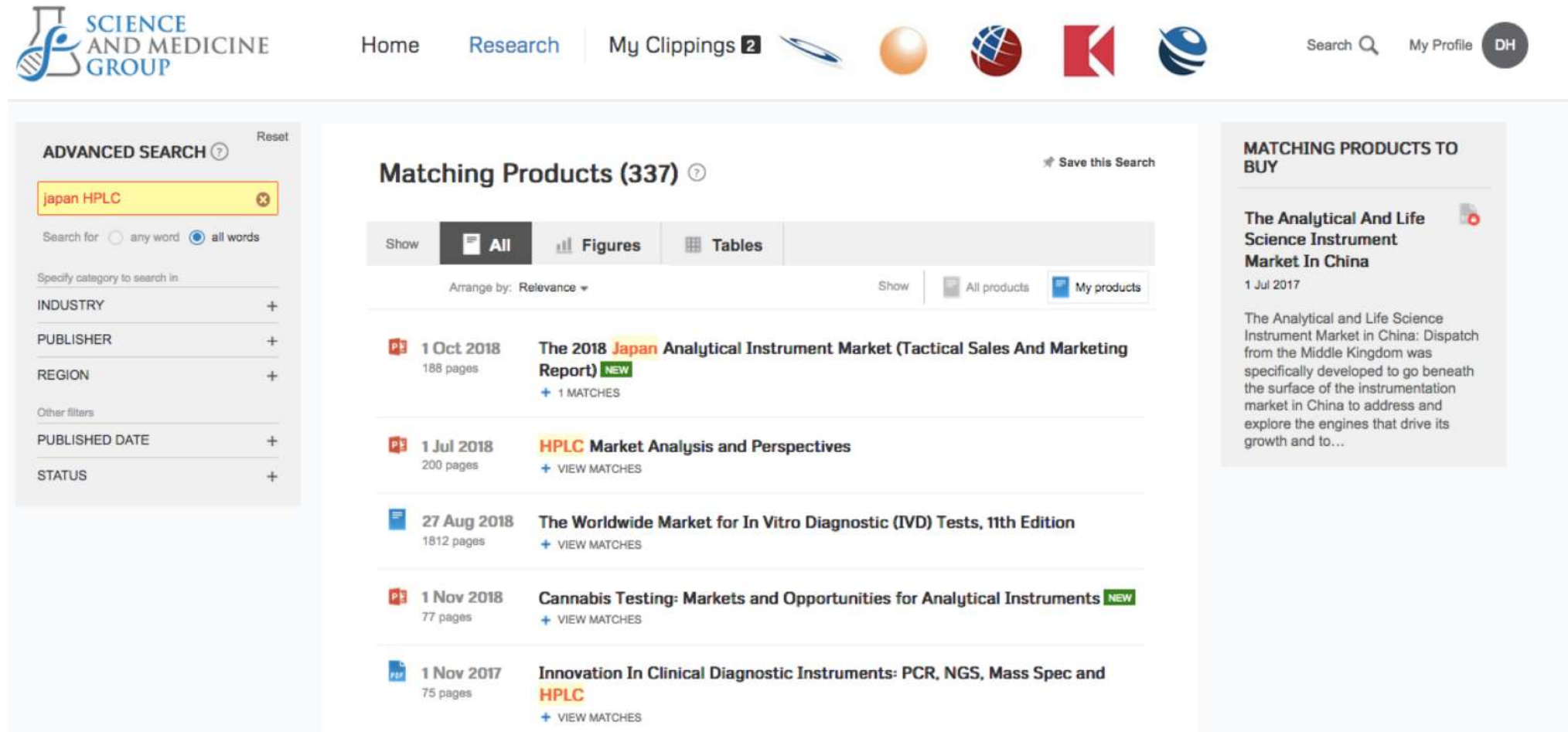
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1 Jul 2017

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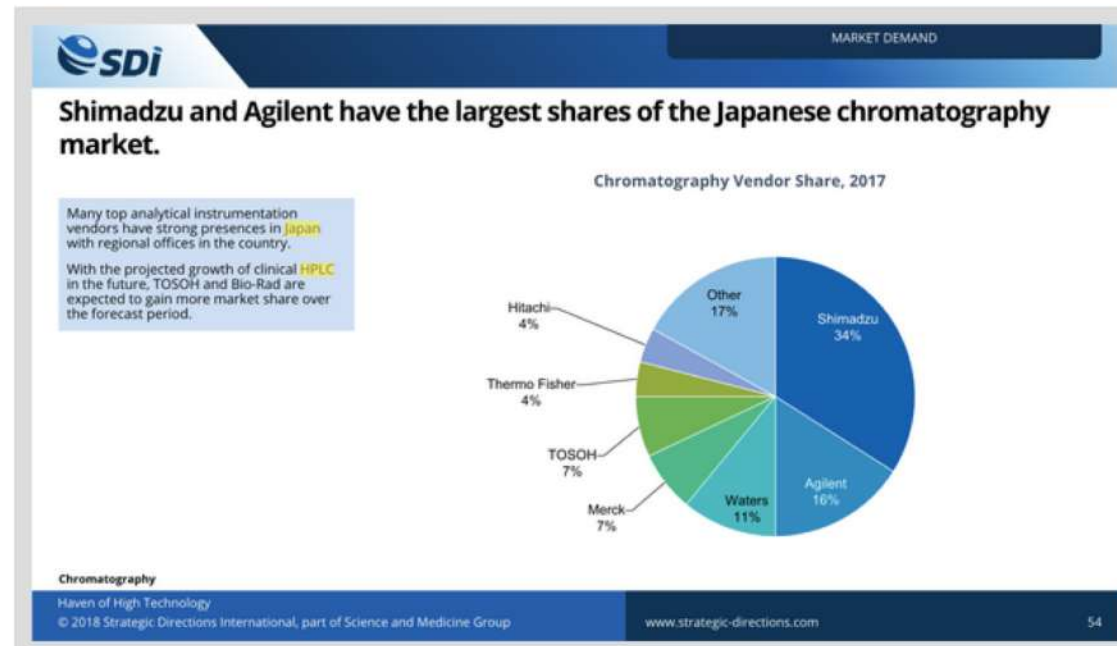
The 2018 Japan Analytical Instrument Market (Tactical Sales And Marketing Report) 1 Oct 2018

Q japan HPLC

Report details

- With the projected growth of clinical HPLC in the future, TOSOH and Bio-Rad are...
- The total mass spectrometry market in Japan was \$386 million in 2017.
- Japan has a robust and advanced pharma/bio sector,...
- There were over 2,000 unit shipments in Japan in 2017.
- ...st shares of the mass spectrometry market in Japan.
- The total life science instrumentation market in

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Shimadzu and Agilent have the largest shares of the Japanese chromatography market.

Chromatography Vendor Share, 2017

Vendor	Share (%)
Shimadzu	34%
Agilent	16%
Waters	11%
Other	17%
TOSOH	7%
Merck	7%
Thermo Fisher	4%
Hitachi	4%

Chromatography
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MARKET DEMAND

The total atomic spectroscopy market in Japan was \$527 million in 2017.

X-ray techniques had the largest share of the market in Japan, with XRF and XRD combining to form nearly half of total sales for atomic spectroscopy techniques. Their growth is being driven largely by Japan's automotive and electronics, and semiconductor industries.

ICP-OES and TOC & Other Sum Parameters will also see strong growth over the forecast period as both have significant use in environmental and utilities testing and pharmaceuticals, both of which the government of Japan is seeking to expand.

	2017	2018	2019	2020	2021	2022	'17 - '22
	Percent	\$ Mil					CAGR
XRF	22%	114	119	123	128	134	4.2%
XRD	26%	138	149	149	154	160	3.8%
Atomic Absorbance	9%	45	47	49	51	52	3.7%
ICP-OES	11%	59	62	64	67	70	4.6%
ICP-MS	16%	86	89	92	96	100	3.8%
Arc Spark	6%	32	33	34	35	36	2.9%
TOC & Other Sum Parameters	4%	20	21	22	23	24	4.5%
Inorganic Elemental Analyzers	5%	27	27	27	28	28	0.7%
Organic Elemental Analyzers	1%	6	6	6	6	6	0.5%
Total	100%	527	553	567	587	614	3.8%

Atomic Spectroscopy
Haven of High Technology
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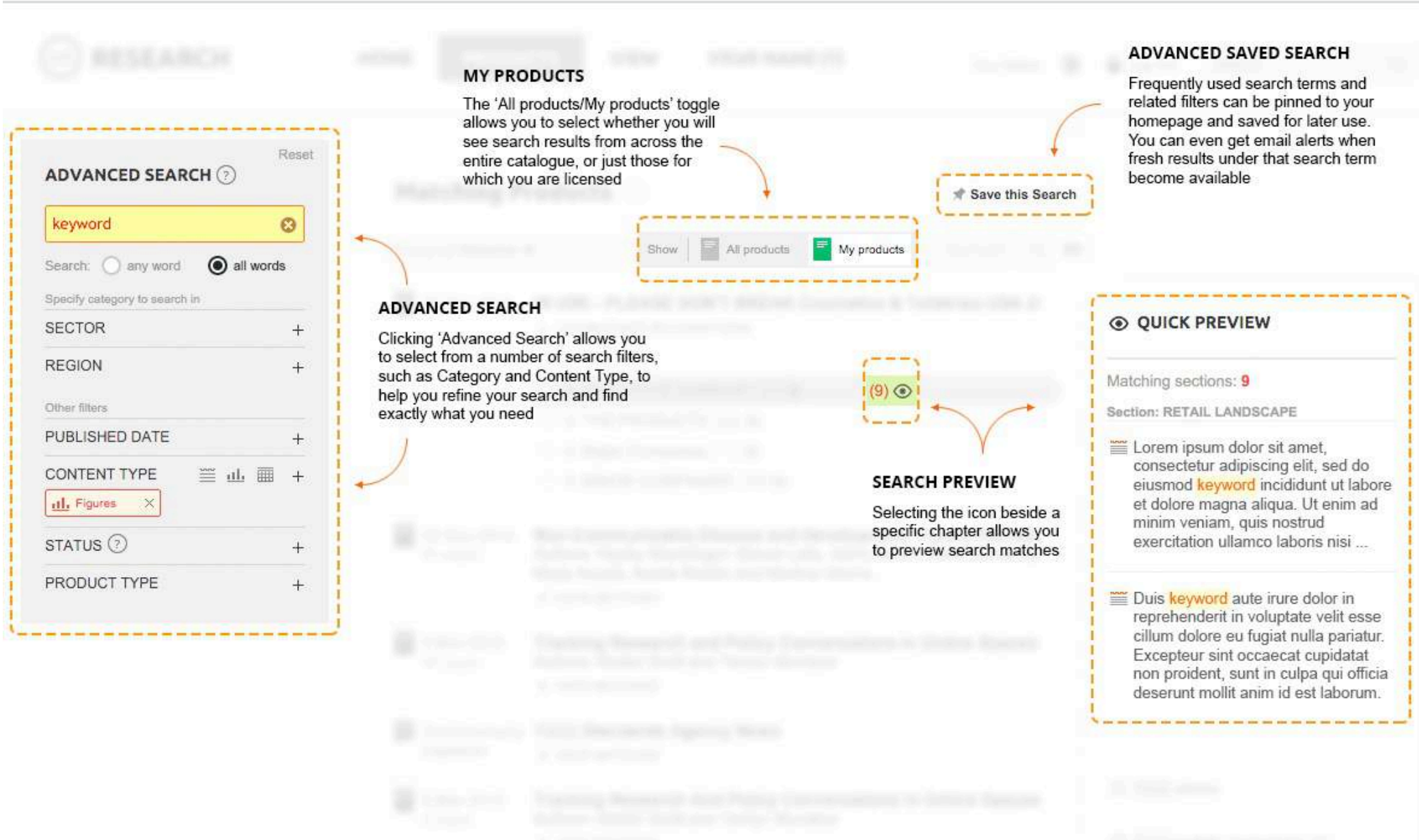
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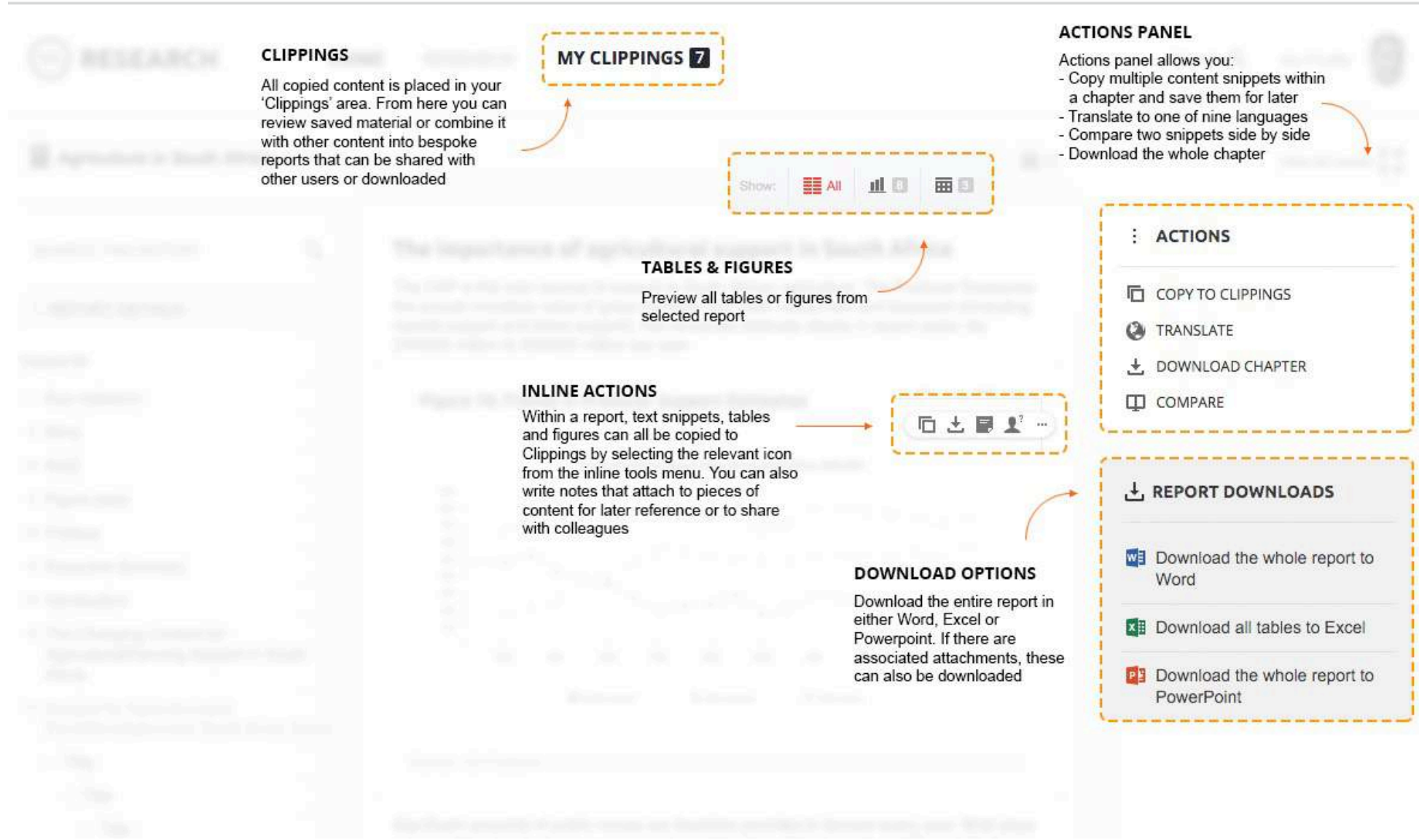
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Gene Editing: Crispr/Cas9 Changes Everything

 1 Jan 2016



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This Market Brief is intended to provide a snapshot of the gene editing market for 2015-2020. As such, the information provided can be an important market reference aid for understanding the dynamics of this particular market segment.

Gene editing is a type of genetic engineering. Technologies used to accomplish this are Clustered Regularly-Interspaced Short Palindromic Repeats (CRISPR), Transcription Activator-Like Effector Nucleases (TALEN), Zinc-Finger Nucleases (ZFN), among others.

CRISPR is a disruptive gene editing methodology that has invigorated the genomics market, taking life science research to another level of innovation. With explosive growth, the technology is not only creating opportunities in genetic engineering, but it is fueling growth for enabling technologies such as next-generation sequencing (NGS), PCR, lab automation, microarrays, nucleic acid prep kits, flow cytometry, and high content analysis/imaging, that play key roles in preparation, transfection and cell ID/confirmation.

This report provides information on the total gene editing market including enabling technologies. It measures the market size (\$millions) for 2015 and forecasts five-year growth to 2020 in terms of workflow, product type, geography and application. Vendor share is provided for the gene editing segment (i.e. CRISPR, ZFN, TALEN).


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