



28th

PANHELLENIC ACADEMIC
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Open Access: a quantitative and qualitative analysis of the research output in Greece

PALC 2022

Christian Palazzesi, Elsevier



Agenda

- Elsevier's solutions for the analysis of OA research output
- An overview on the past 5 years (2017 -2021)
- Qualitative trend of the research output for various OA categories
- Focus on hybrid gold
 - Quantitative analysis
 - Qualitative analysis
 - Research output of Greek corresponding authors
- Conclusions

Elsevier's solutions for the analysis of OA research

Scopus[®]

Expertly curated abstract & citation database

Analytical Services

Accurate, unbiased research performance analyses customized to your needs

SciVal

Research performance insights on thousands of institutions, worldwide

Publications in Greece

Year range: 2019 to >2022

Open Access ⓘ

<input type="checkbox"/> All Open Access	44,836
<input type="checkbox"/> Gold	23,923
<input type="checkbox"/> Hybrid gold	5,058
<input type="checkbox"/> Bronze	7,270
<input type="checkbox"/> Green	33,186

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90,876 publications | [Save as Publication Set](#)

Title

Remdesivir for the treatment of COVID-19 —
Final report

Open Access

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An overview on the past 5 years (2017 -2021)

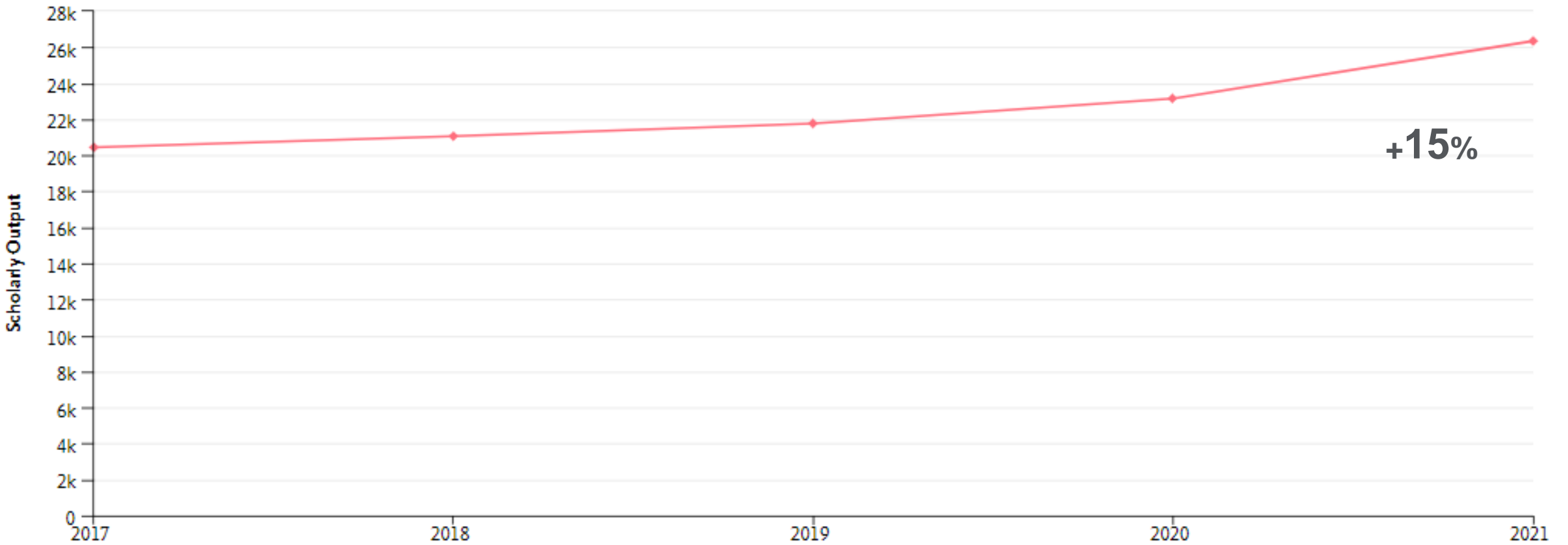
y-axis

x-axis

Bubble size

Scholarly Output

Publication Year



EL – All publications

Publication Year

An overview on the past 5 years (2017 -2021)

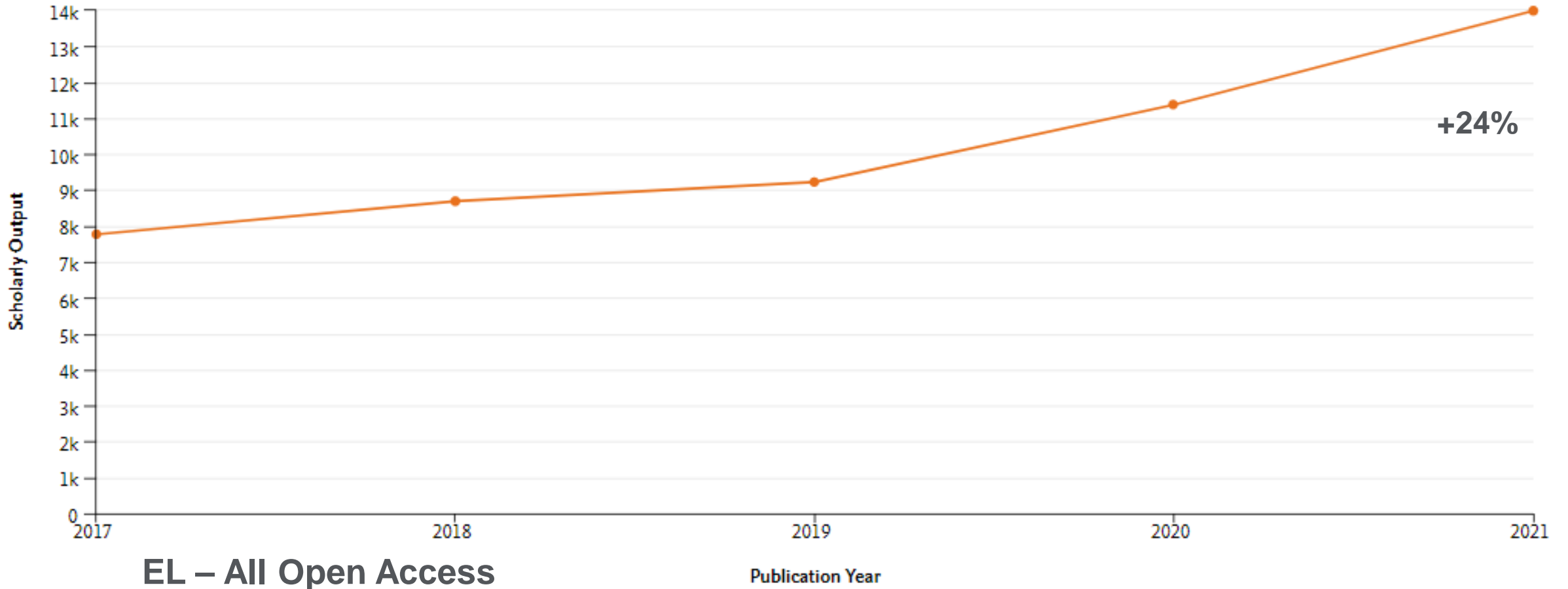
↓ y-axis ▾

↓ x-axis ▾

○ Bubble size ▾

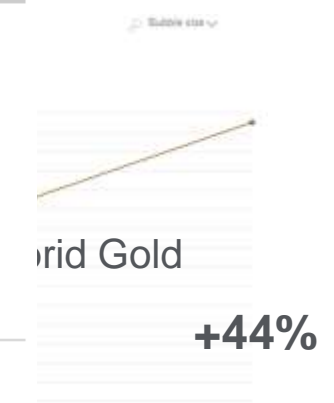
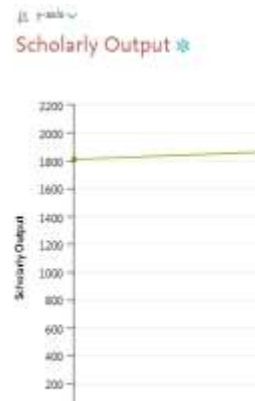
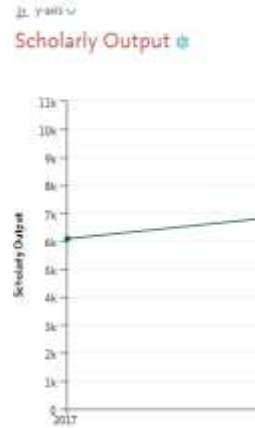
Scholarly Output ⚙

Publication Year

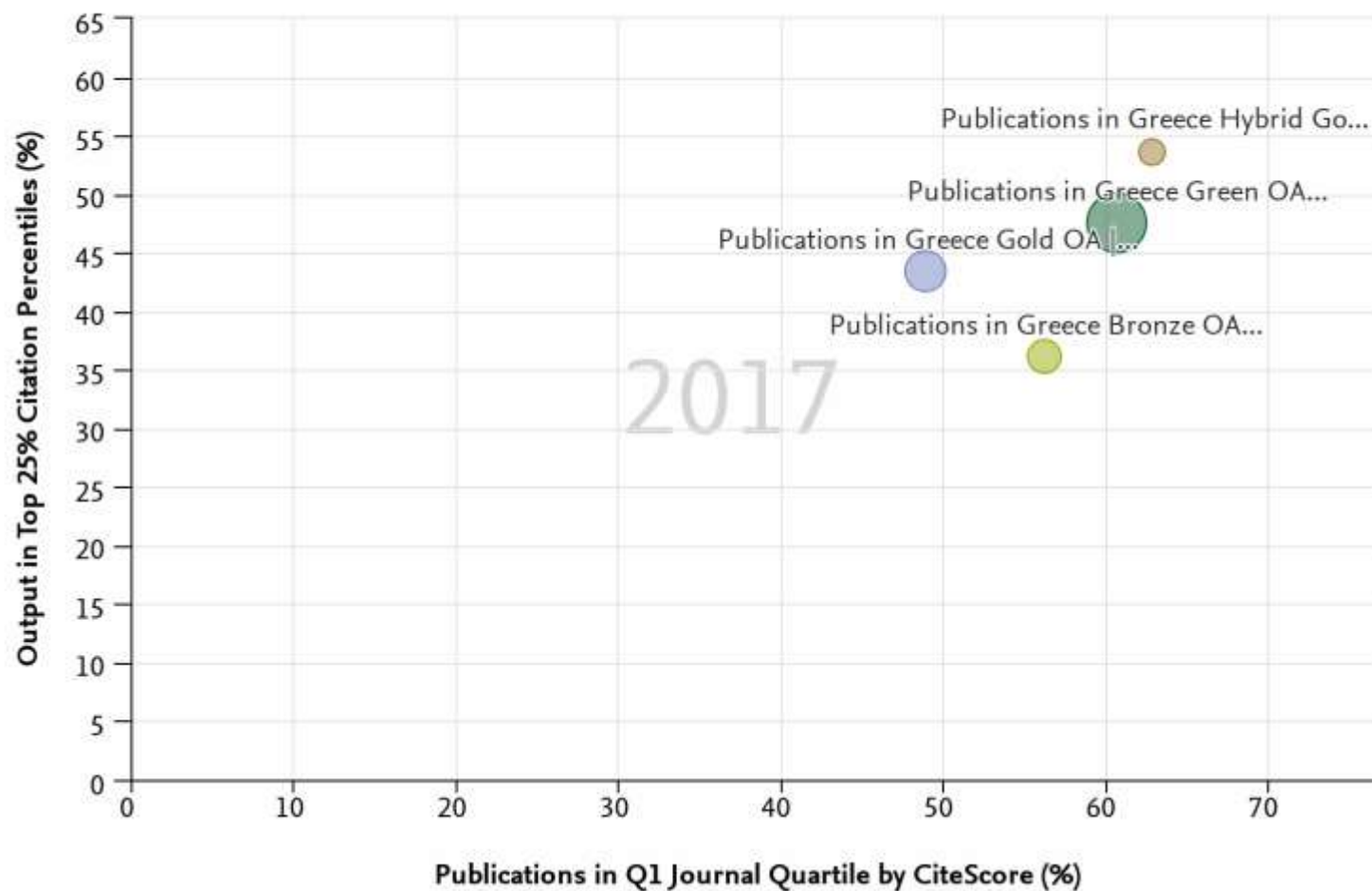


An overview

Facets	Information label	Definition	Examples
Gold	Gold (Open access-only journal)	Published version with Creative Commons license, available on publisher platform. Documents are in journals which only publish open access	Article from Heliyon Article from Global Health Action
Hybrid Gold	Gold (hybrid journal)	Published version with Creative Commons license, available on publisher platform. Documents are in journals which provide authors the choice of publishing open access	Article from Reliability Engineering & System Safety Article from Journal of Fluid Mechanics
Bronze	Other free-to-read at Publisher	Published version of record or manuscript accepted for publication, for which the publisher has chosen to provide temporary or permanent free access. Bronze status is assigned to a document if there is another (publisher-specific) license other than a Creative Commons license (e.g. Elsevier's publisher license for Open Archive), or no license at all.	Open Archive Promotional access CHORUS
Green	Free-to-read at Repository	Published version or manuscript accepted for publication, available at repository. Documents may also be available gold or other free-to-read on the publisher platform	Any article with a version available in a repository identified by Unpaywall



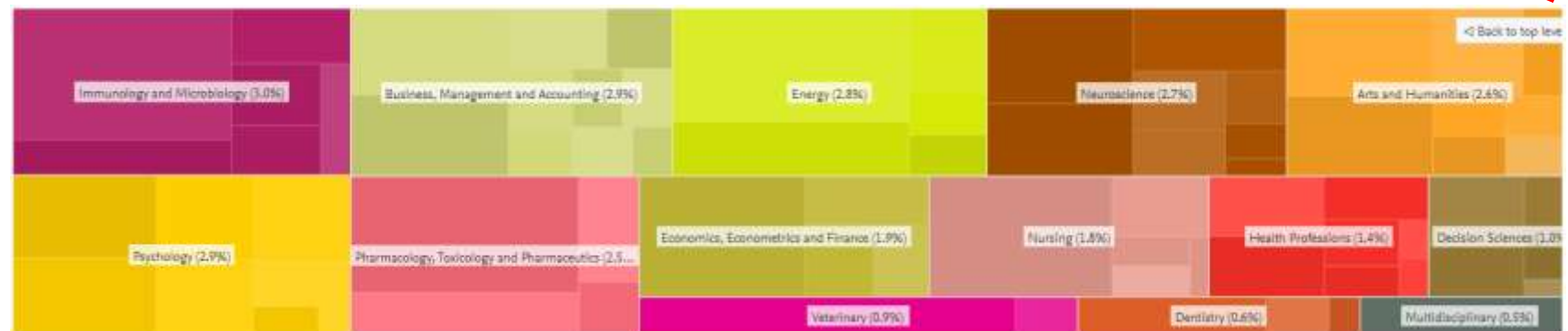
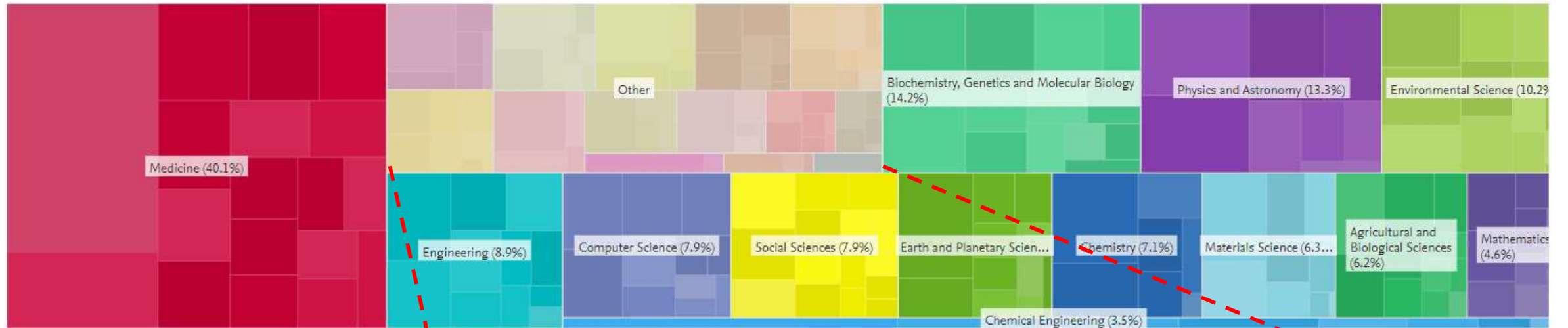
An overview on the past 5 years: evolution



- Publications in Greece Hybrid Gold OA | 2017 to 2021
- Publications in Greece Green OA | 2017 to 2021
- Publications in Greece Gold OA | 2017 to 2021
- Publications in Greece Bronze OA | 2017 to 2021



Focus on hybrid gold: main subject areas (2017-2021)



Focus on hybrid gold: impact on policy & sustainability

Impact on policy¹

Impact on sustainability (SDGs)²

Summary metrics

440

Policy Cited Scholarly Output ⓘ

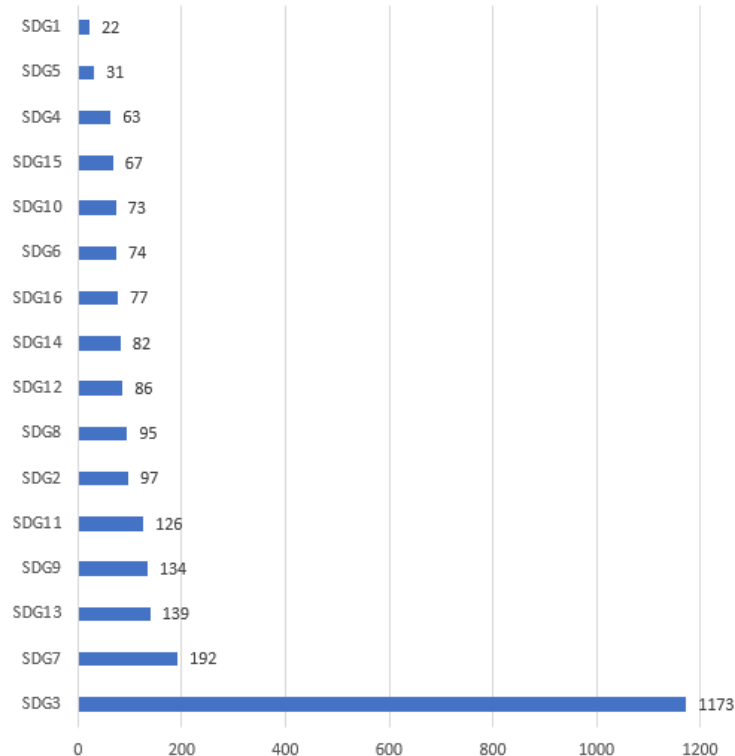


[View list of publications](#)

8.7%

Policy Cited Scholarly Output ⓘ

440 of 5,080 publications



¹Policy Cited Scholarly Output in SciVal, indicates the prolificacy of an entity being cited in policy documents: how many publications does this entity have indexed in SciVal that have been cited in policy documents? In this case, the entity being analyzed is the list of hybrid gold OA papers, with at least 1 Greek affiliation, from 2017 to 2021.

²Number of hybrid gold OA papers, with at least 1 Greek affiliation, mapped onto each SDG

Focus on hybrid gold: qualitative analysis (2017)

Institution	Scholarly Output ↓	Field-Weighted Citation Impact ↓
National and Kapodistrian University of Athens	187	7.51
Aristotle University of Thessaloniki	122	2.46
University of Ioannina	68	3.97
University of Crete	60	8.35
Demokritos National Centre for Scientific Research	58	4.74
National Technical University of Athens	55	3.36
University of Patras	53	1.86
University of Thessaly	31	12.67
Foundation for Research and Technology-Hellas	25	2.42
University of the Aegean	19	2.06
Heraklion University Hospital	16	1.44
Academy of Athens	14	0.83
Agricultural University of Athens	14	19.83
Athens University of Economics and Business	13	1.76
Democritus University of Thrace	13	20.80



Most active institutions 2017

Focus on hybrid gold: qualitative analysis (2021)

Institution	Scholarly Output ↓	Field-Weighted Citation Impact ↓
National and Kapodistrian University of Athens	436	3.67
Aristotle University of Thessaloniki	248	3.12
National Technical University of Athens	140	1.98
University of Ioannina	120	2.31
University of Crete	113	4.35
University of Patras	106	2.05
University of Thessaly	87	2.59
Demokritos National Centre for Scientific Research	77	1.59
Foundation for Research and Technology-Hellas	76	2.83
Democritus University of Thrace	53	5.65
University of the Aegean	42	2.51
National Observatory of Athens	33	2.46
University of West Attica	33	1.76
Agricultural University of Athens	28	5.07
Academy of Athens	27	4.99



Most active institutions 2021

Focus on hybrid gold: qualitative analysis (sources)

Scopus Source	Scholarly Output ↓	Field-Weighted Citation Impact ↓
Journal of the Hellenic Veterinary Medical Society	29	0.21
Physical Review D	21	3.67
Physical Review Letters	18	2.87
Molecular Medicine Reports	15	0.93
World Journal of Gastroenterology	15	1.15
Physical Review C	12	1.87
International Journal of Radiation Biology	11	1.78
Journal of Instrumentation	11	13.00
World Journal of Orthopedics	10	1.67
Advances in Therapy	9	0.73
British Journal of Cancer	9	1.08
The Lancet	7	165.87
Hellenic Plant Protection Journal	6	0.29
Leukemia	6	2.74
Oncology Reports	6	2.50
European Heart Journal	5	6.51
International Journal of Molecular Medicine	5	0.86

Most used sources 2017

Scopus Source	Scholarly Output ↓	Field-Weighted Citation Impact ↓
Physical Review D	36	1.85
Frontiers in Artificial Intelligence and Applications	23	1.26
Public Health and Informatics: Proceedings of MIE 2021	23	2.69
Physical Review Letters	21	1.30
Science of the Total Environment	20	2.66
Astronomy and Astrophysics	11	5.56
Experimental Astronomy	11	0.85
Monthly Notices of the Royal Astronomical Society	11	0.62
Surgical Neurology International	11	0.08
Journal of Instrumentation	9	2.94
World Journal of Gastroenterology	9	0.65
European Respiratory Journal	8	5.06
International Journal of Molecular Medicine	8	3.11
Journal of Fluid Mechanics	8	1.08
Physical Review C	8	0.73

Most used sources 2021



Focus on hybrid gold: output with Greek corresponding authors

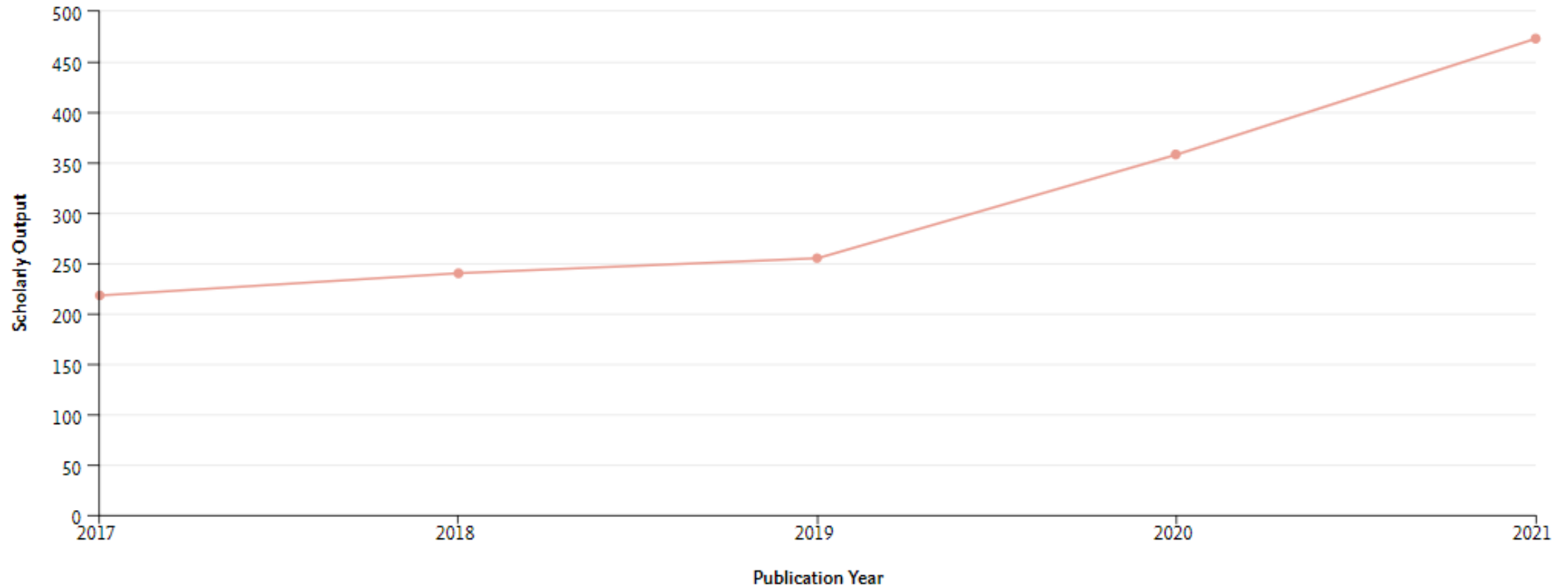
y-axis

Scholarly Output

x-axis

Publication Year

Bubble size



Survey

Thank you



Christian Palazzesi, Elsevier

C.Palazzesi@elsevier.com



Brief on methodology to identify OA publications

Facets	Information label	Definition	Examples
Gold	Gold (Open access-only journal)	Published version with Creative Commons license, available on publisher platform. Documents are in journals which only publish open access	Article from Heliyon Article from Global Health Action
Hybrid Gold	Gold (hybrid journal)	Published version with Creative Commons license, available on publisher platform. Documents are in journals which provide authors the choice of publishing open access	Article from Reliability Engineering & System Safety Article from Journal of Fluid Mechanics
Bronze	Other free-to-read at Publisher	Published version of record or manuscript accepted for publication, for which the publisher has chosen to provide temporary or permanent free access. Bronze status is assigned to a document if there is another (publisher-specific) license other than a Creative Commons license (e.g. Elsevier's publisher license for Open Archive), or no license at all.	Open Archive Promotional access CHORUS
Green	Free-to-read at Repository	Published version or manuscript accepted for publication, available at repository. Documents may also be available gold or other free-to-read on the publisher platform	Any article with a version available in a repository identified by Unpaywall

Open Access values	Description
all	All Open Access documents
publisherfullgold	Gold Open Access
publisherhybridgold	Hybrid Gold Open Access
publisherfree2read	Bronze Open Access
repository	All Green Open Access
repositoryvor	Green Final Open Access
repositoryam	Green Accepted Open Access

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