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Open Access Journal Publications in South East Asia: Trends and Directions

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TRACS

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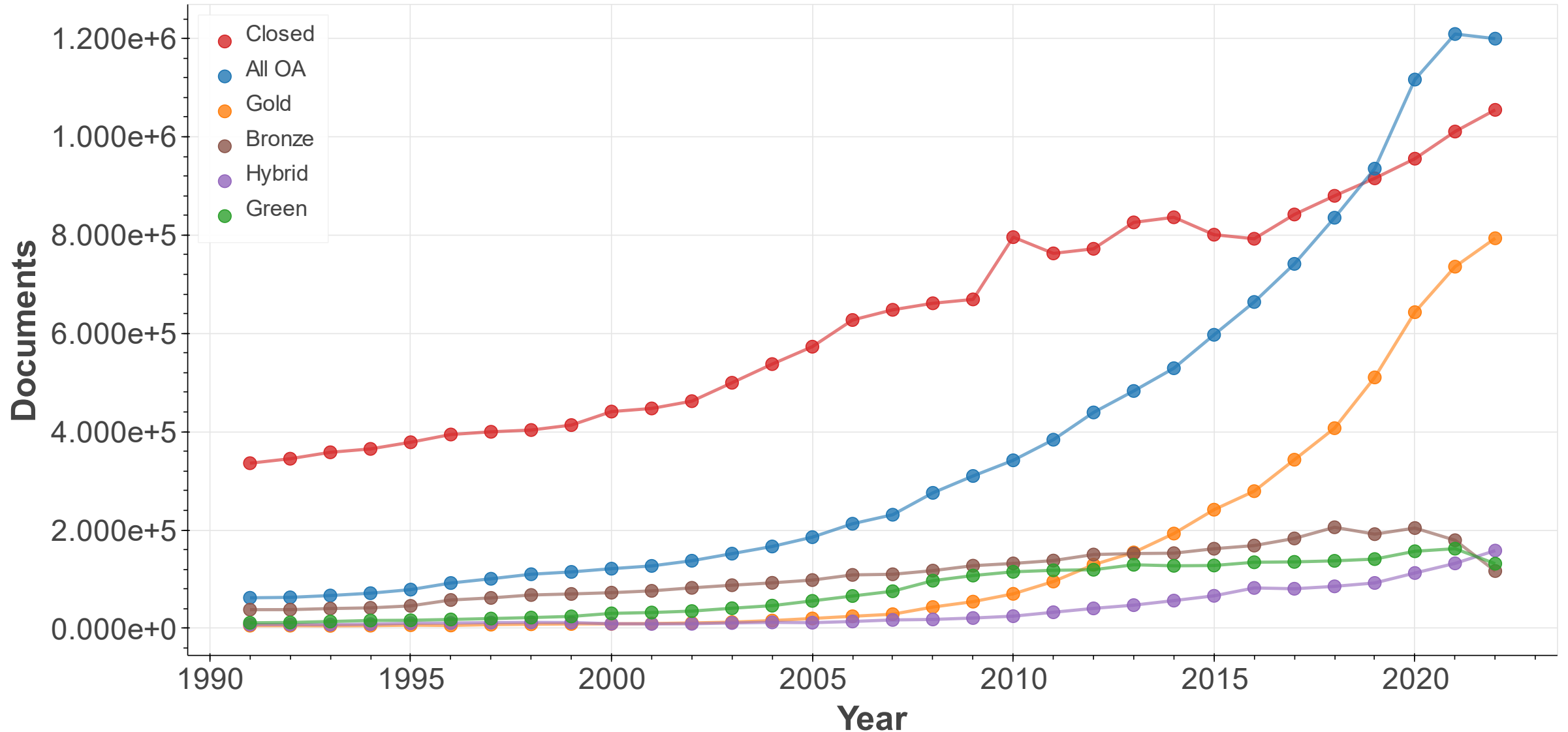


Big Questions

- Open Access (Gold, Green, Hybrid, Bronze) vs. Closed Publications. Who won?
- Are trends in SE Asia consistent with the leading countries e.g. US, Japan, UK, etc.?
- Impact of OA in collaboration with leading countries. Is there a correlation?
- What trends in Asia run counter to those in the West?

Closed vs. Open Access Articles

APAC

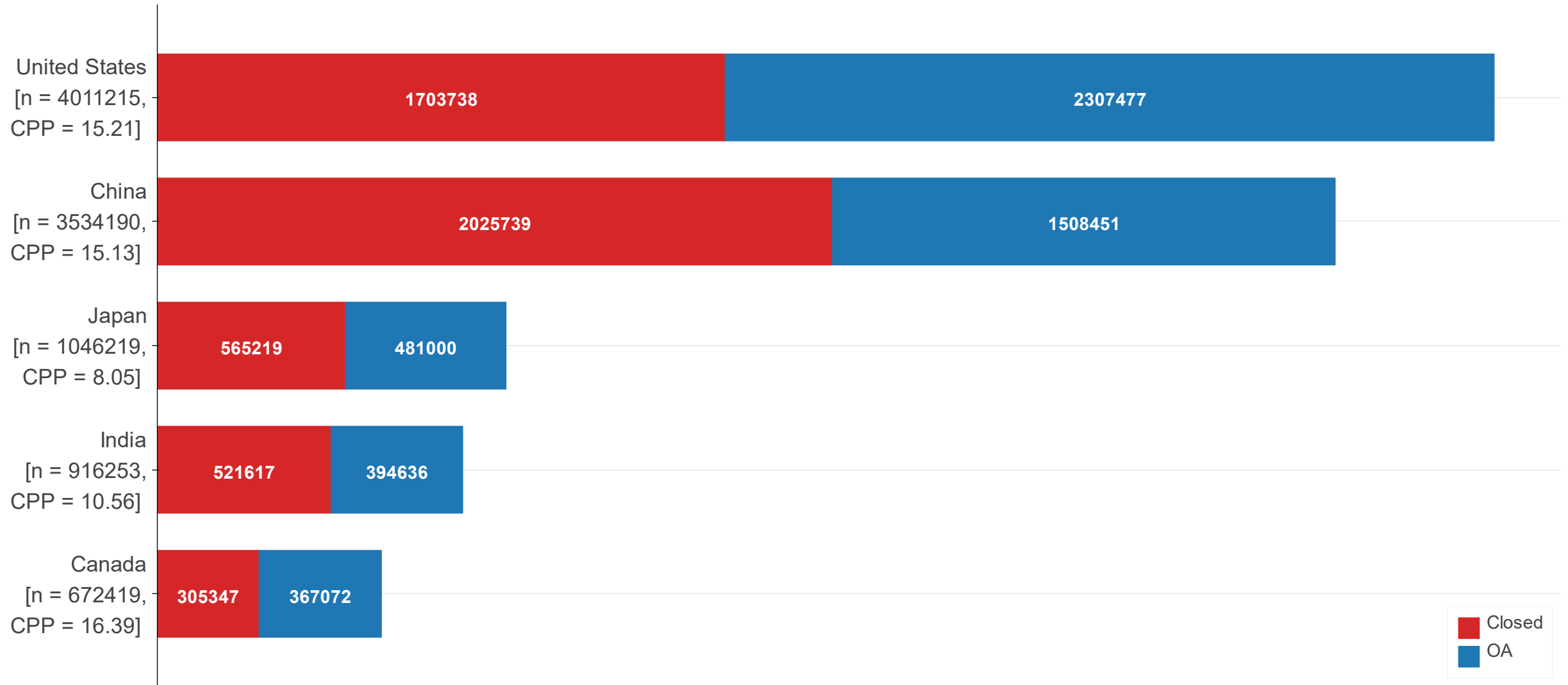


Dataset: Dimensions; Research Organization Countries: APAC Countries; Publication Year: 1991-2022; Document Type: Articles



Top 5 Countries by Publication Volume

APAC, 2017-2021

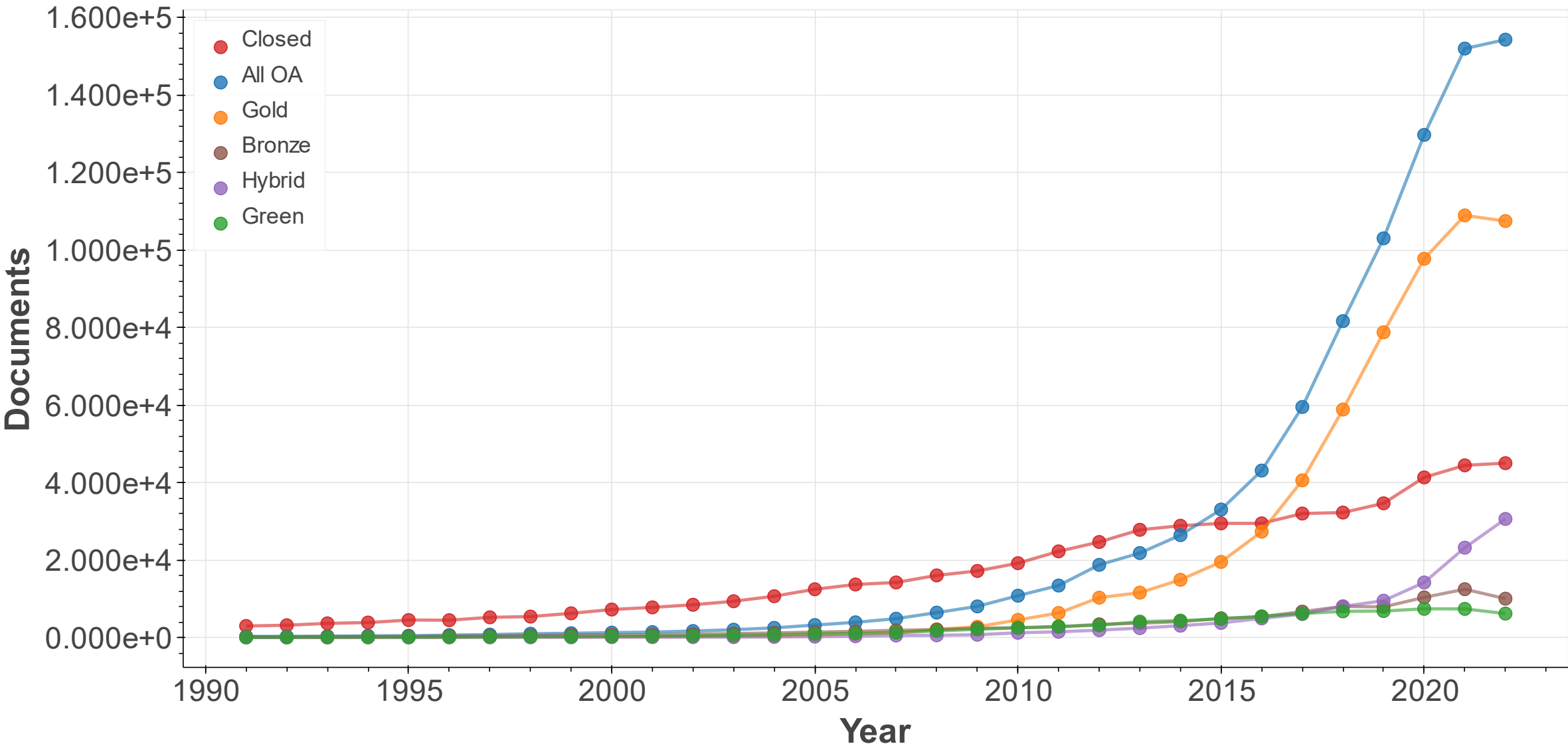


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Closed vs. Open Access Articles

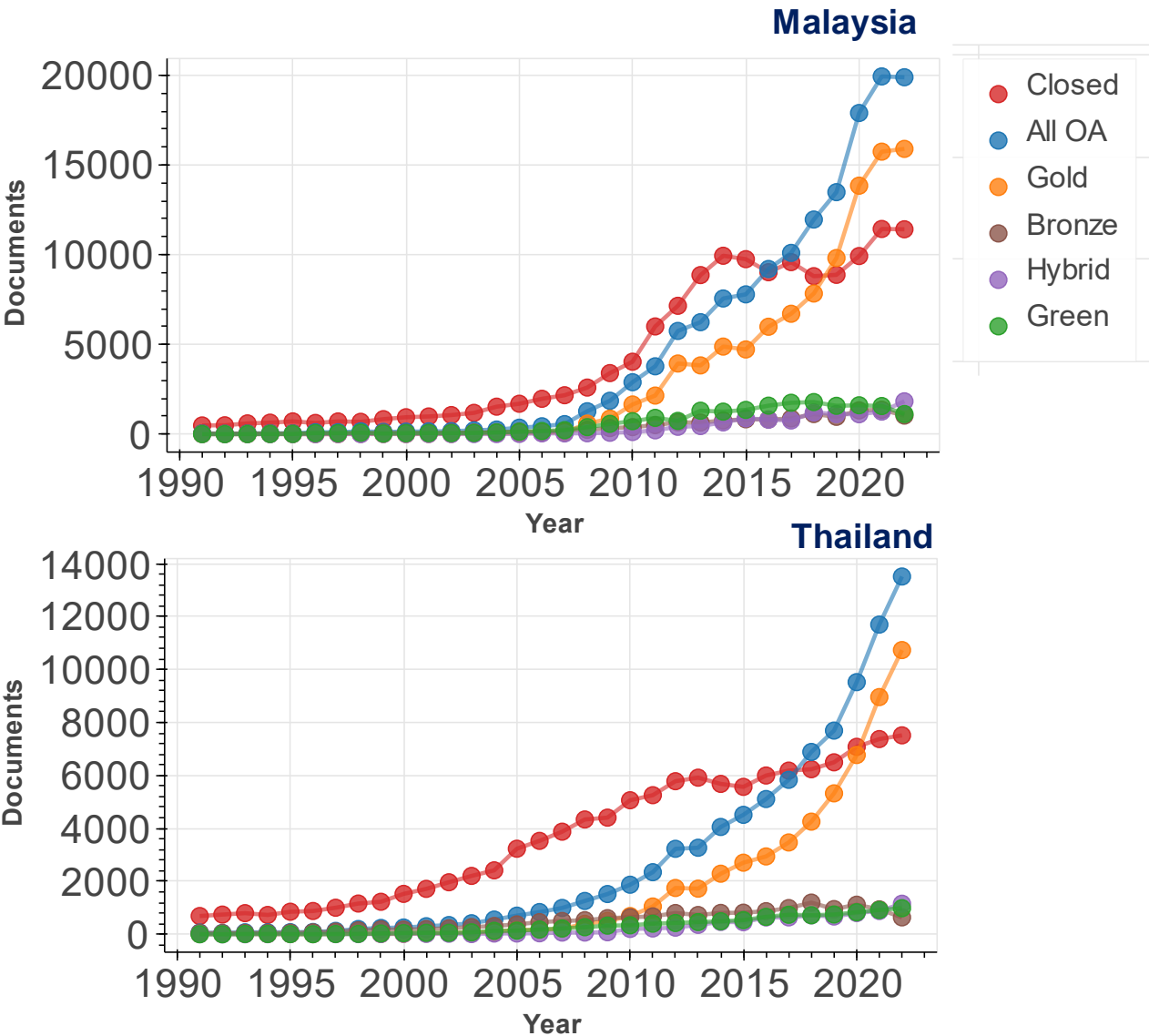
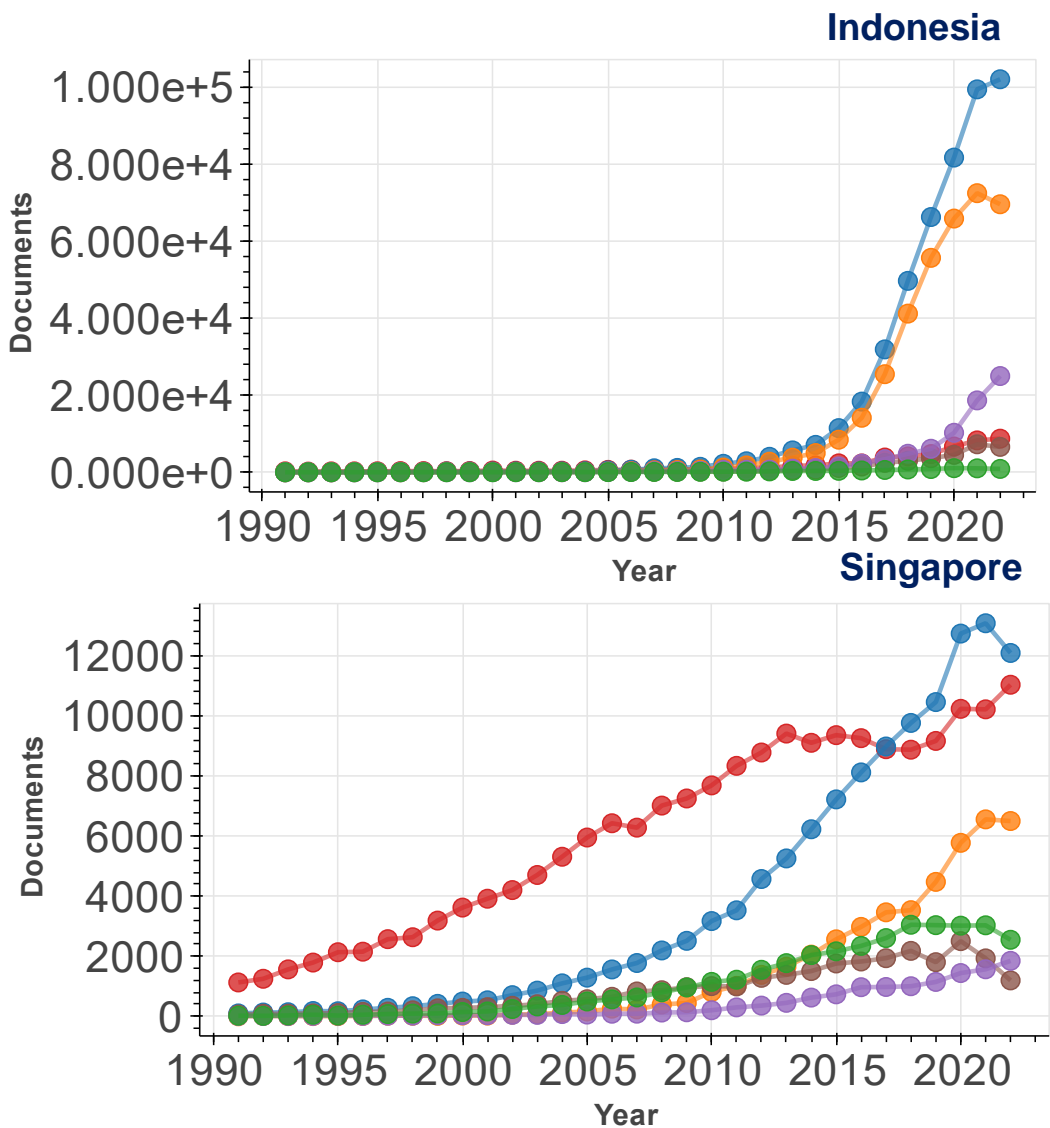
Southeast Asia



Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

Closed vs. Open Access Articles

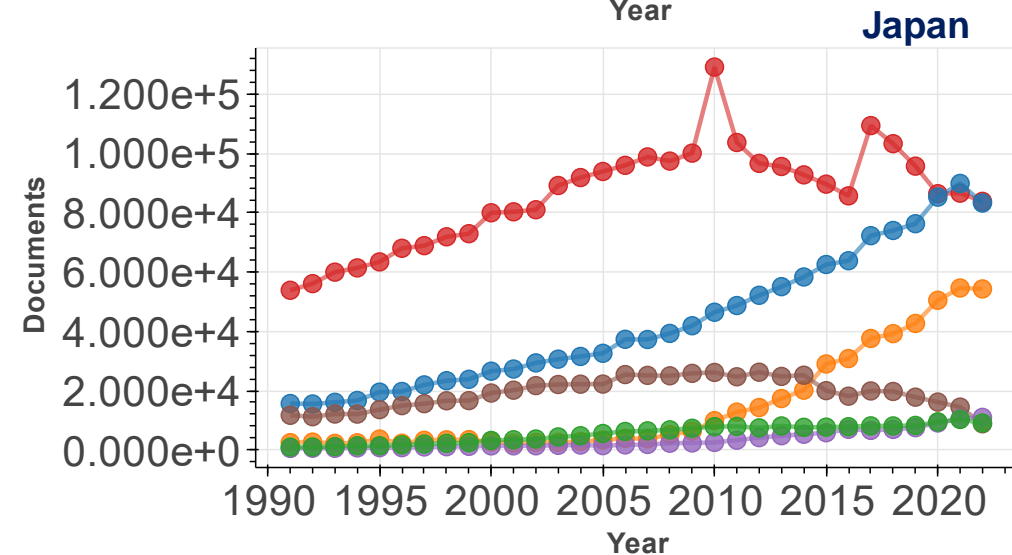
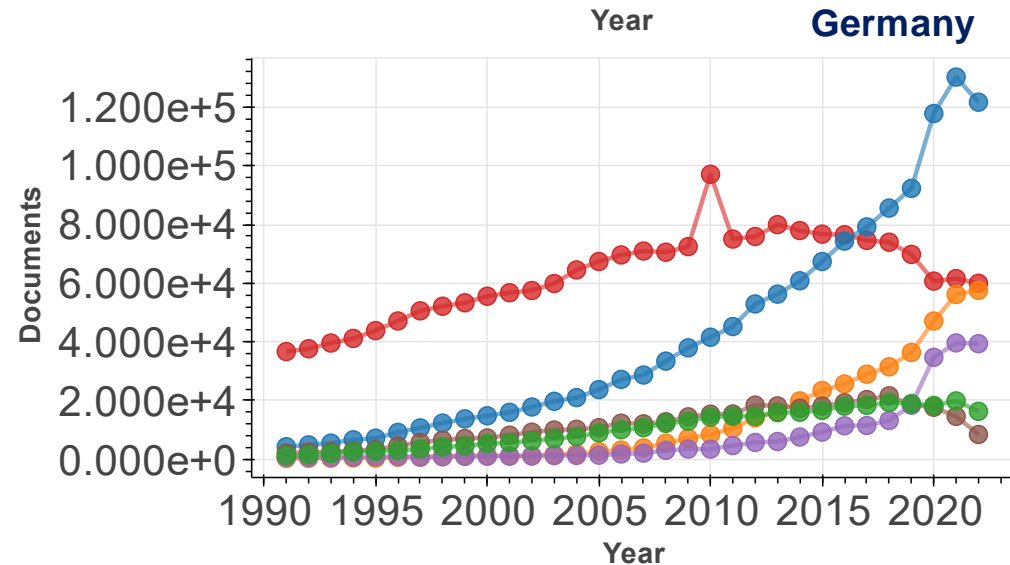
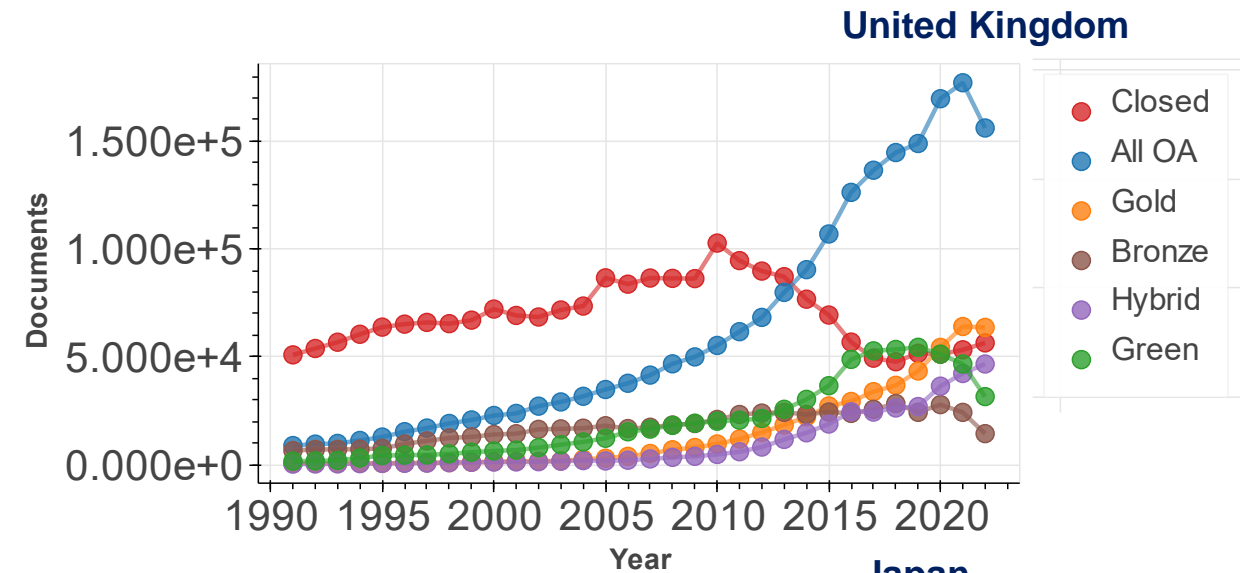
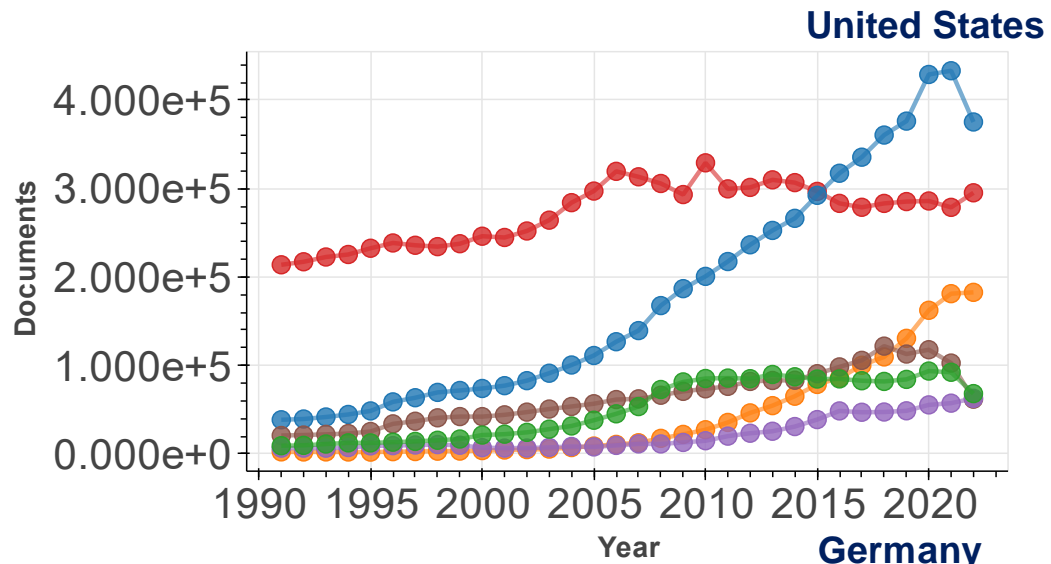
Southeast Asia



Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

Closed vs. Open Access Articles

Others

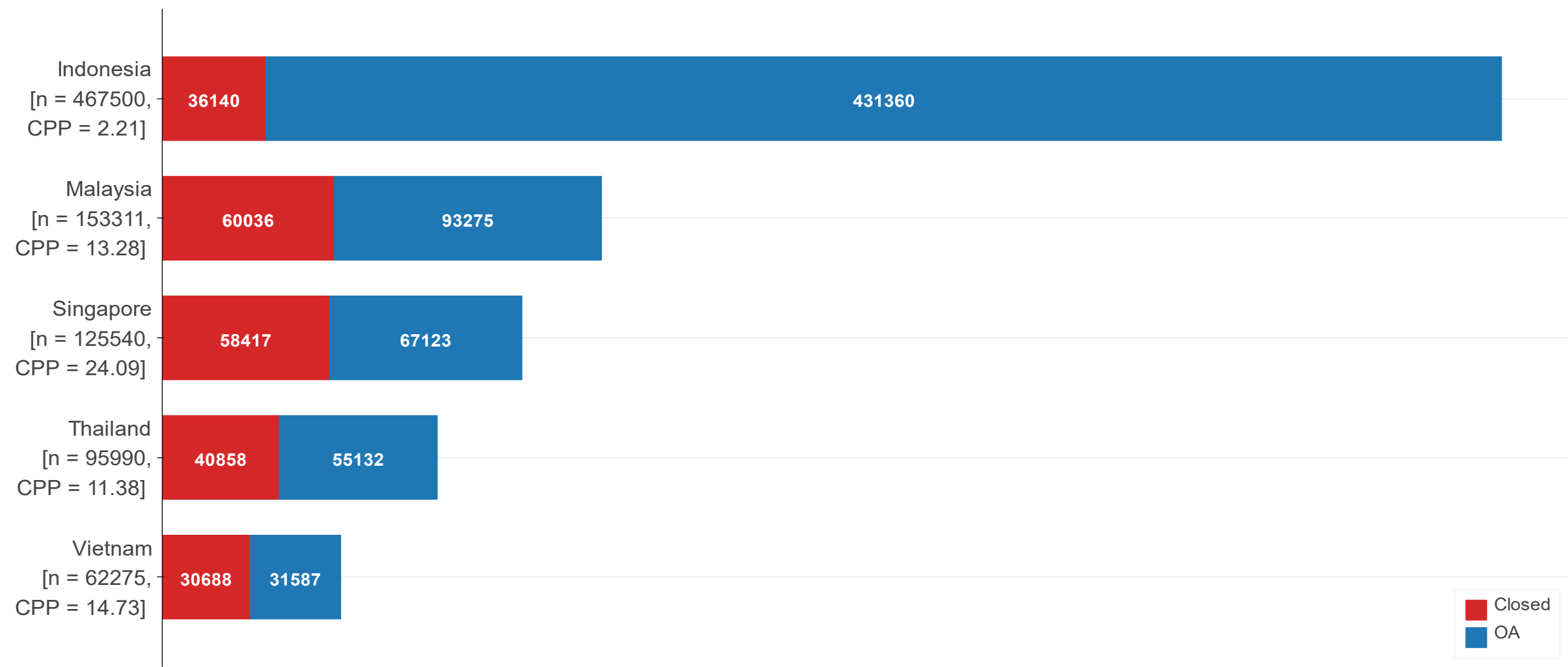


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Top 5 Countries by Publication Volume

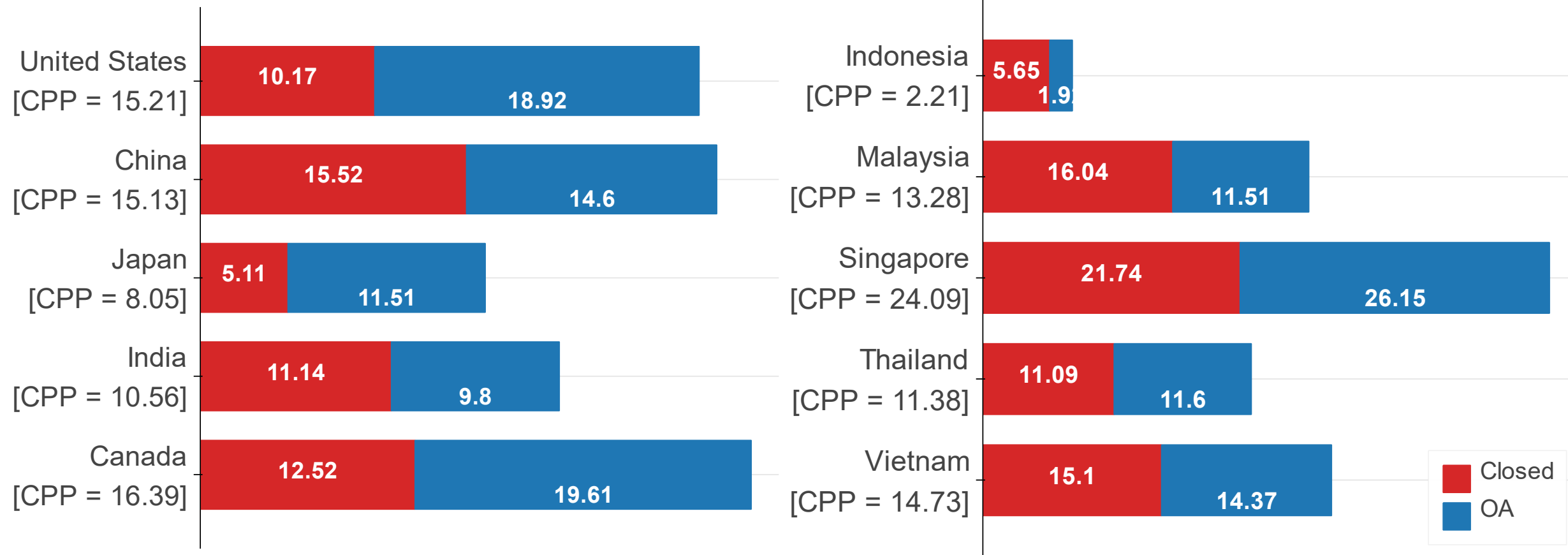
Southeast Asia, 2017-2022



Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 2017-2022; Document Type: Articles

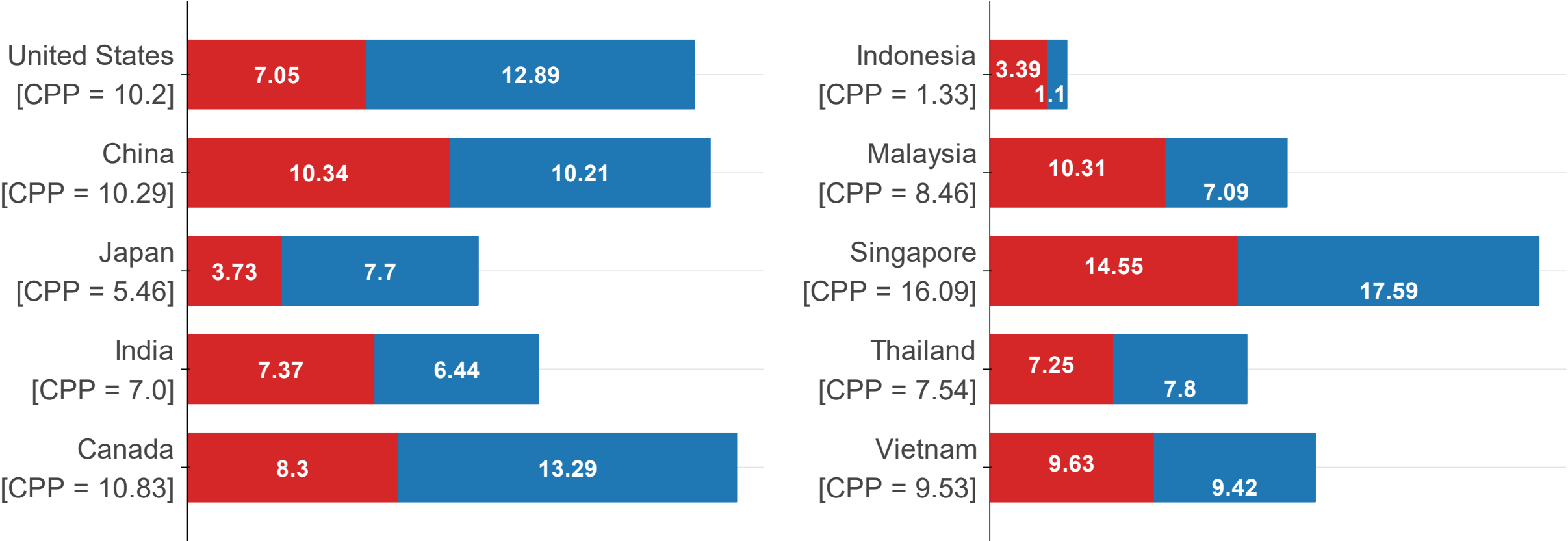
Citations per Paper, Top 5 Countries by CPP

APAC/Southeast Asia, 2017-2022



Citations per Paper, Top 5 Countries by Publication Volume

APAC/Southeast Asia, 2017-2021



Dataset: Dimensions; Research Organization Countries: APAC/Southeast Asian Countries; Publication Year: 2017-2021; Document Type: Articles

Case Study: Thailand

2015 vs 2021

	Name	Pub Count	OA	% (Total)	Year	Delta (by publication)
1	United States	944	All OA	9.37%	2015	
2	United Kingdom	532	All OA	5.28%	2015	
3	China	480	All OA	4.76%	2015	
4	Japan	429	All OA	4.26%	2015	
5	France	294	All OA	2.92%	2015	
6	India	259	All OA	2.57%	2015	
1	United States	1792	All OA	9.40%	2021	89.83%
2	United Kingdom	1365	All OA	7.16%	2021	156.58%
3	China	1188	All OA	6.23%	2021	147.50%
4	Japan	982	All OA	5.15%	2021	128.90%
5	India	823	All OA	4.32%	2021	217.76%

	Name	Pub Counts	OA	% (Total)	Year	Delta (by publication)
1	United States	639	Closed	6.34%	2015	
2	Japan	486	Closed	4.82%	2015	
3	China	265	Closed	2.63%	2015	
4	Australia	207	Closed	2.05%	2015	
5	United Kingdom	180	Closed	1.79%	2015	
1	United States	708	Closed	3.71%	2021	10.80%
2	China	640	Closed	3.36%	2021	31.69%
3	Japan	558	Closed	2.93%	2021	110.57%
4	India	429	Closed	2.25%	2021	107.25%
5	Australia	333	Closed	1.75%	2021	28.57%

Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

2015 vs 2021

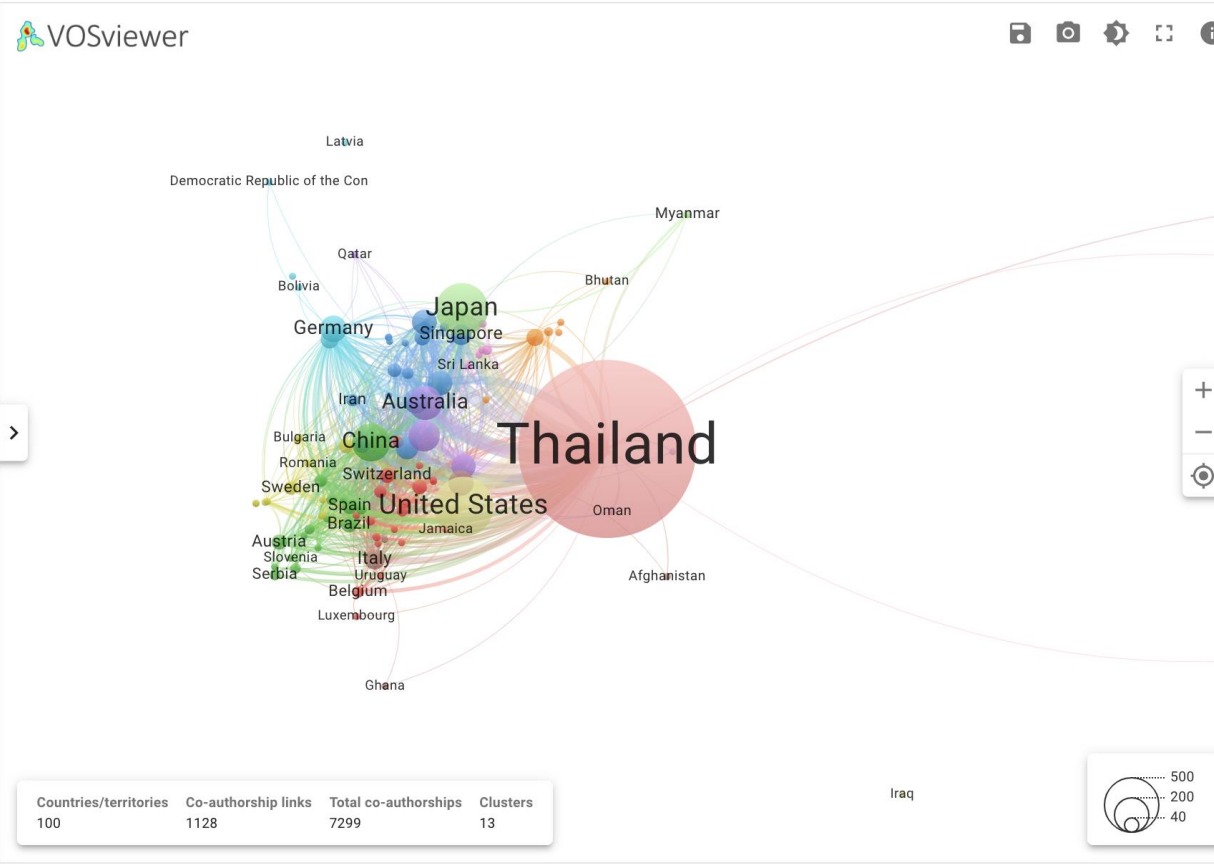
2015



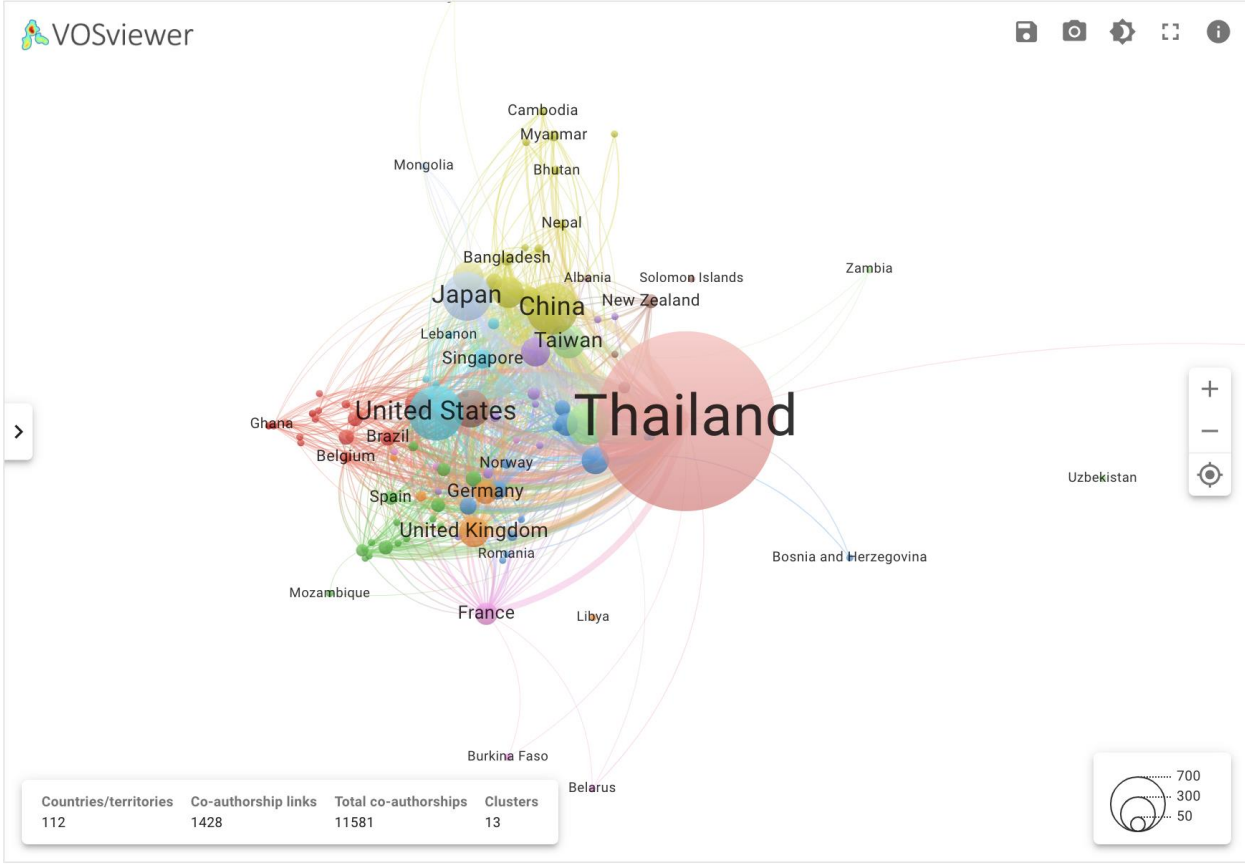
Case Study: Thailand, Closed

2015 vs 2021

2015



2021



Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

Case Study: Indonesia

2003 vs 2009

	Name	Pub Count	OA	% (Total)	Year	Delta (by publication)
1	Japan	35	All OA	0.16%	2003	
2	United States	22	All OA	0.33%	2003	
3	Australia	15	All OA	0.49%	2003	
4	Netherlands	14	All OA	0.66%	2003	
5	Germany	13	All OA	0.82%	2003	
6	United Kingdom	8	All OA	1.31%	2003	
1	Japan	93	All OA	0.04%	2009	165.71%
2	United States	74	All OA	0.09%	2009	236.36%
3	Australia	57	All OA	0.13%	2009	280.00%
4	Netherlands	52	All OA	0.18%	2009	271.43%
5	United Kingdom	39	All OA	0.22%	2009	387.50%

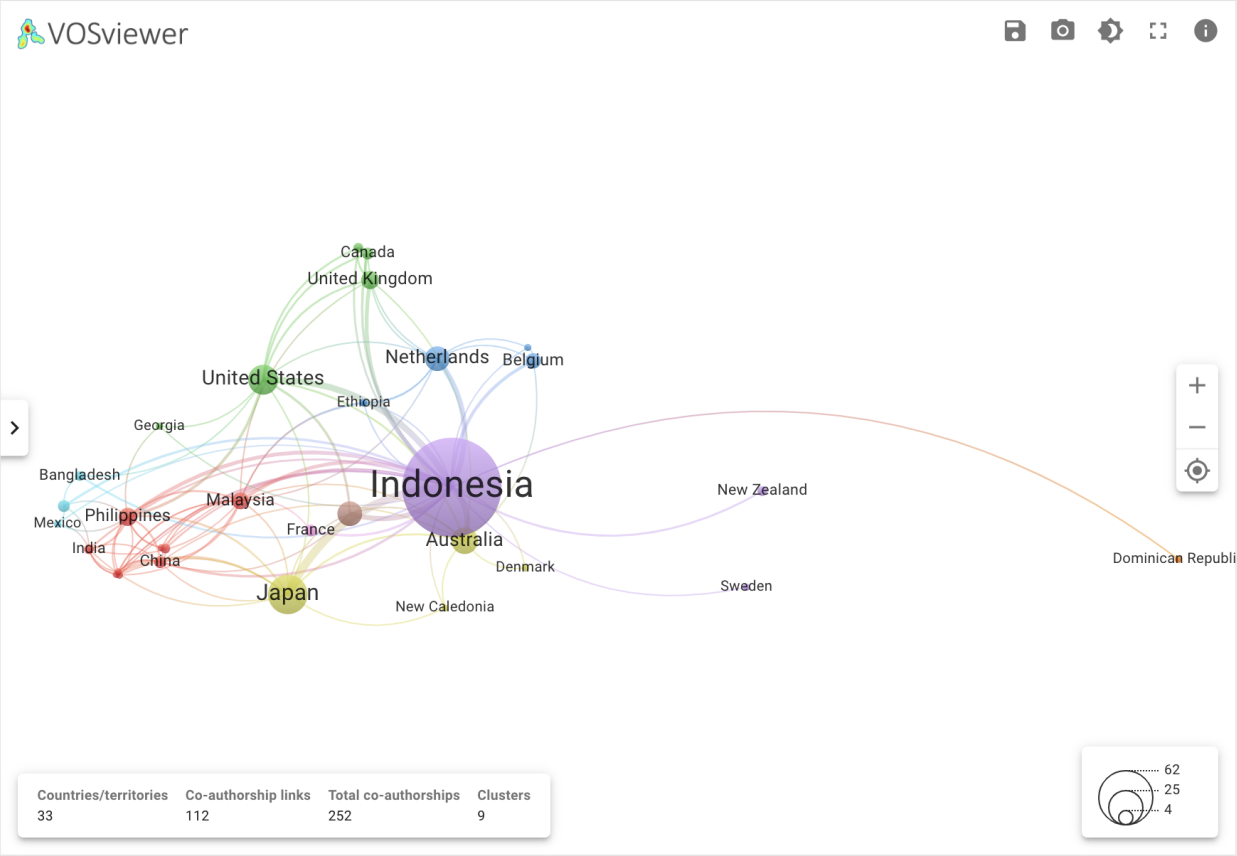
	Name	Pub Count	OA	% (Total)	Year	Delta (by publication)
1	Japan	91	Closed	14.94%	2003	
2	United States	62	Closed	10.18%	2003	
3	Australia	38	Closed	6.24%	2003	
4	United Kingdom	27	Closed	4.43%	2003	
5	Netherlands	24	Closed	3.94%	2003	
6	Malaysia	10	Closed	1.64%	2003	
1	Japan	166	Closed	7.43%	2009	82.42%
2	Australia	105	Closed	4.70%	2009	176.32%
3	United States	69	Closed	3.09%	2009	11.29%
4	Netherlands	54	Closed	2.42%	2009	125.00%
5	Malaysia	49	Closed	2.19%	2009	390.00%

Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

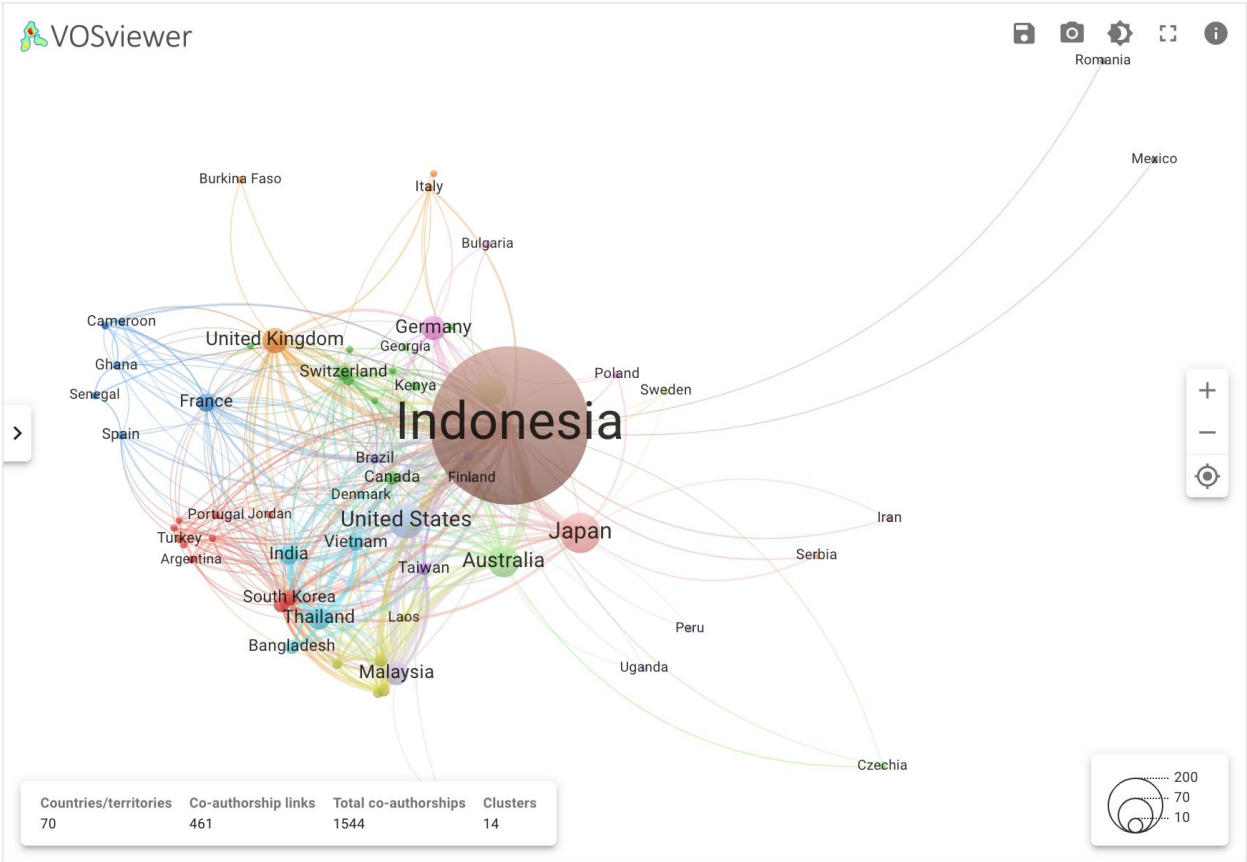
Case Study: Indonesia, All OA

2003 vs 2009

2003



2009

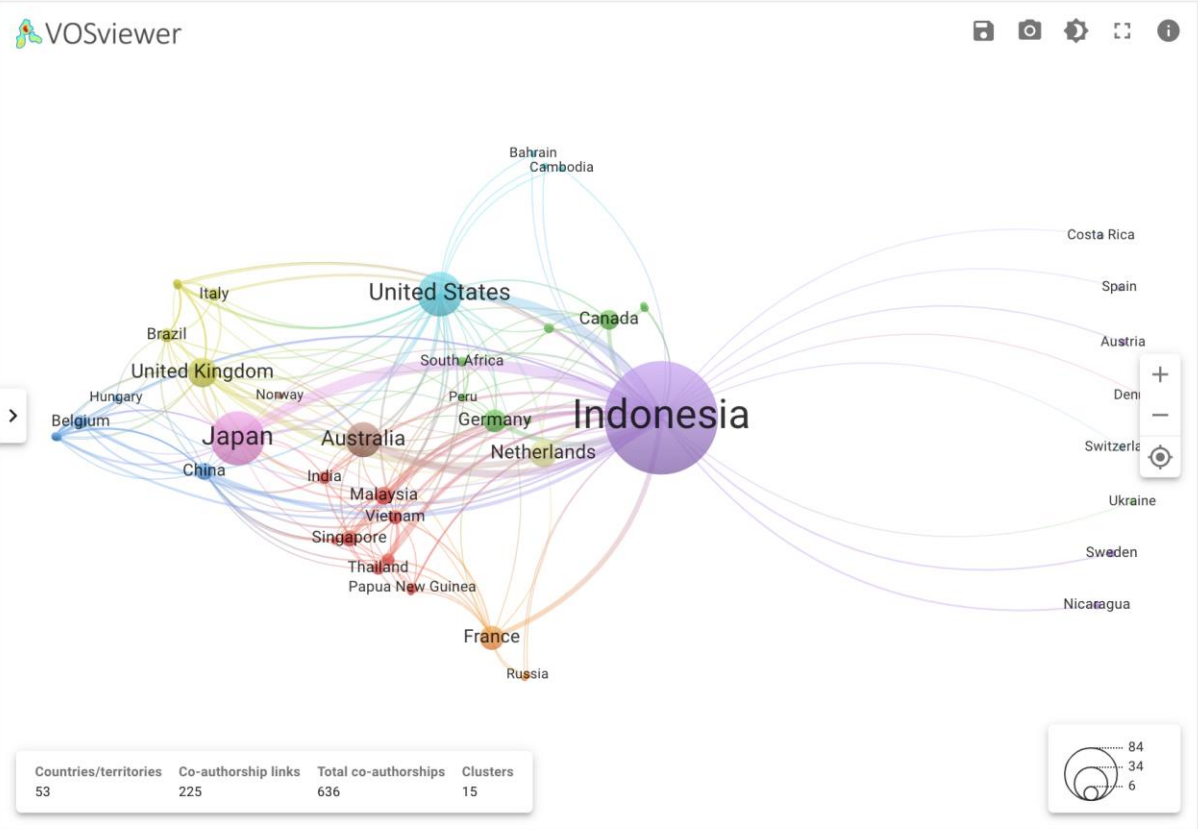


Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

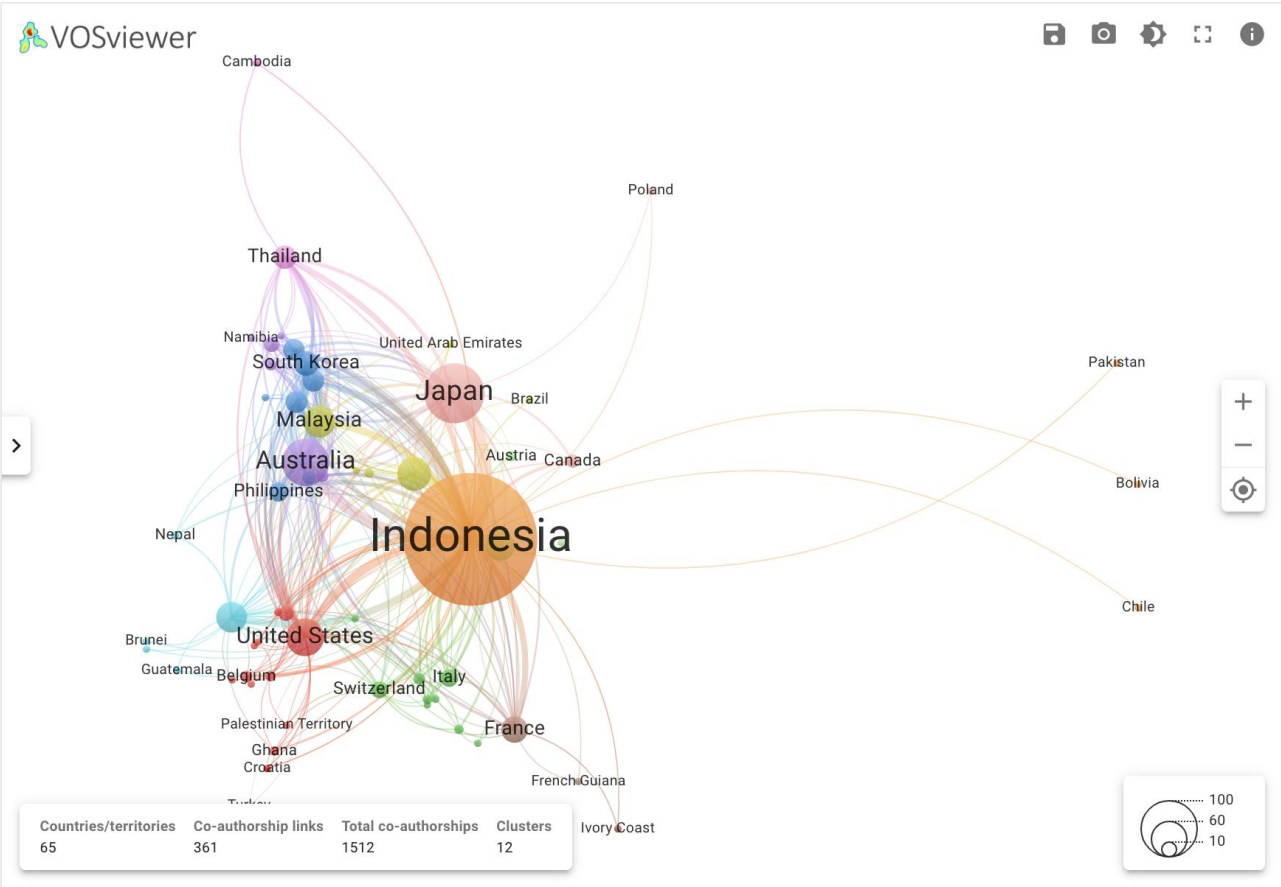
Case Study: Indonesia, Closed

2003 vs 2009

2003



2009



Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

Case Study: Indonesia, OA Journals

2003 vs 2009

2003

Total Journals = 104

Name	Publications	Citations	Citations (mean)
Jurnal Kimia Sains dan Aplikasi	15	8	0.53
The Winners	15	3	0.2
Gajah Mada International Journal of Business	11	30	2.73
Biofarmasi Journal of Natural Product Biochemistry	10	22	2.2
Journal of Mathematics and Its Applications	9	1	0.11
Jurnal Hukum Ius Quia Iustum	7	0	-
Millah	7	3	0.43
American Journal of Tropical Medicine and Hygiene	6	245	40.83
Oryx	5	135	27
Journal of Human Genetics	5	127	25.4

2009

Total Journals = 378

Name	Publications	Citations	Citations (mean)
Journal of the Canadian Dental Association	38	33	0.87
Padjadjaran Journal of Dentistry	33	12	0.36
HAYATI Journal of Biosciences	28	175	6.25
DiE Jurnal Ilmu Ekonomi dan Manajemen	28	8	0.29
Majalah Kedokteran Bandung	25	7	0.28
Jurnal Penelitian Hasil Hutan	25	10	0.4
The Indonesian Biomedical Journal	23	17	0.74
TELKOMNIKA (Telecommunication Computing Electronics and Control)	22	25	1.14
Journal of Indonesian Applied Economics	22	39	1.77
Jurnal Penelitian Hutan Tanaman	22	18	0.82

Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles



Case Study: Indonesia, Closed Journals

2003 vs 2009

2003

Total Journals = 287

Name	Publications	Citations	Citations (mean)
The Southeast Asian Journal of Tropical Medicine and Public Health	11	71	6.45
Phytochemistry	5	306	61.2
Forest Ecology and Management	5	431	86.2
International Journal of Gynecology & Obstetrics	4	69	17.25
Evolution	4	189	47.25
Bulletin of Indonesian Economic Studies	4	108	27
Water Science & Technology	4	43	10.75
Small-scale Forestry	4	54	13.5
Jurnal Administrasi Pendidikan	4	0	-
Science	4	1056	264

2009

Total Journals = 500

Name	Publications	Citations	Citations (mean)
Indonesian Journal of Medicine	54	402	7.44
AIP Conference Proceedings	21	21	1
Bulletin of Indonesian Economic Studies	9	114	12.67
Journal of Bioscience and Bioengineering	8	1	0.12
Journal of Human Evolution	6	440	73.33
Urology	5	15	3
Vaccine	5	115	23
Prehospital and Disaster Medicine	5	6	1.2
Conservation Biology	5	635	127
World's Poultry Science Journal	4	75	18.75

Dataset: Dimensions; Research Organization Countries: Southeast Asian Countries; Publication Year: 1991-2022; Document Type: Articles

Trends Summary

- Amongst APAC and Southeast Asia, Open Access (Gold, Green, Hybrid, Bronze) has surpassed Closed publications, with Gold leading as the preferred OA publication pathway
- These trends are consistent amongst the leading countries in publishing (USA, UK, Germany, Japan), with OA surpassing Closed publications typically in the mid-2010s
- In case studies of select Southeast Asian countries (Thailand, Indonesia), collaborations with leading countries increased through OA publishing pathways by 89-390%, with higher co-authorship links amongst more countries
- However, Asian countries which lead in publishing globally (China, India), exhibit higher CPP for Closed journals instead of OA journals, while the reverse is true for developed nations such as USA, Japan, and Canada.
- S E Asian countries such as Indonesia, Malaysia, and Vietnam tend exhibit higher average CPP for Closed over OA. Contributing factors may include the prevalence of regional OA journals in a local language, such as Indonesia, where top Journal Sources in frequency are often in Bahasa Indonesia.



Thank You