

Individual Assignment 2: SCSE Dashboard

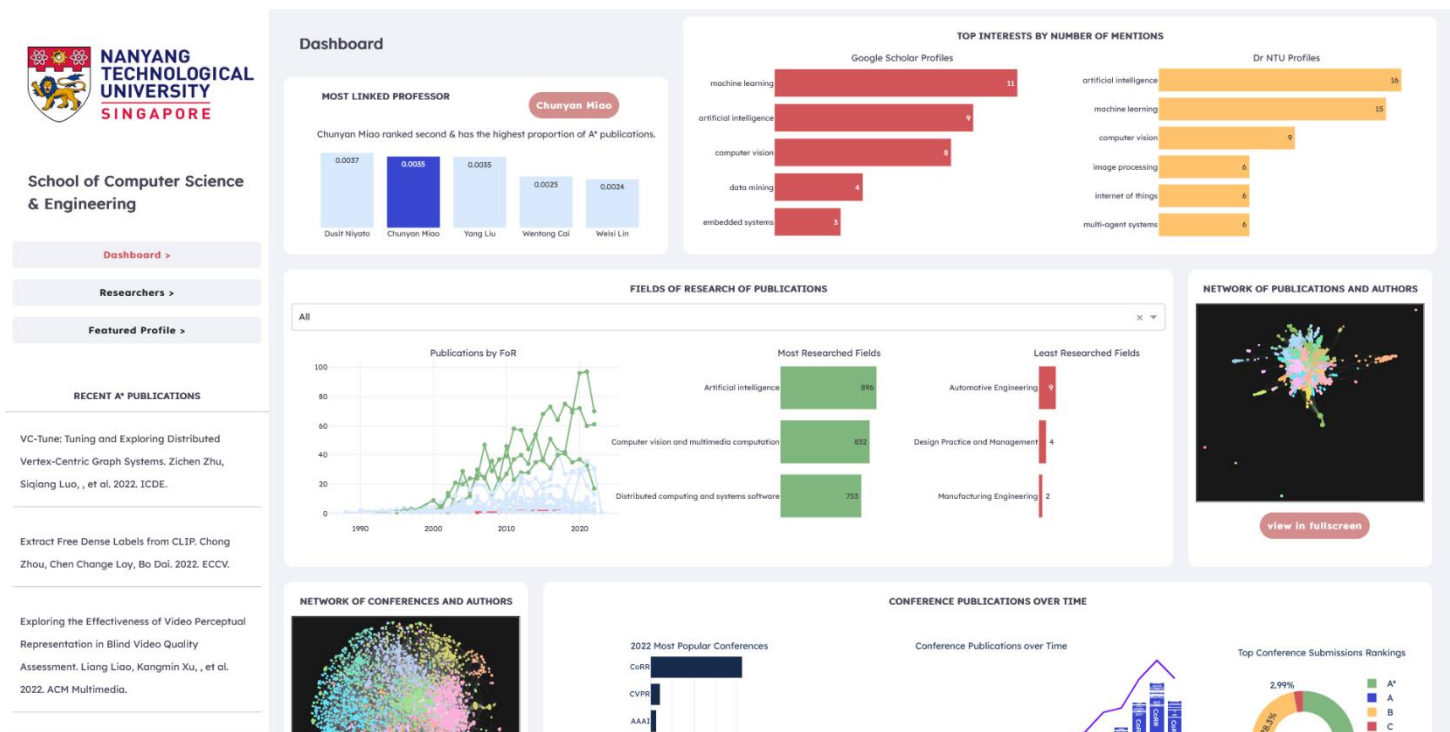
CZ4125: Developing Data Products

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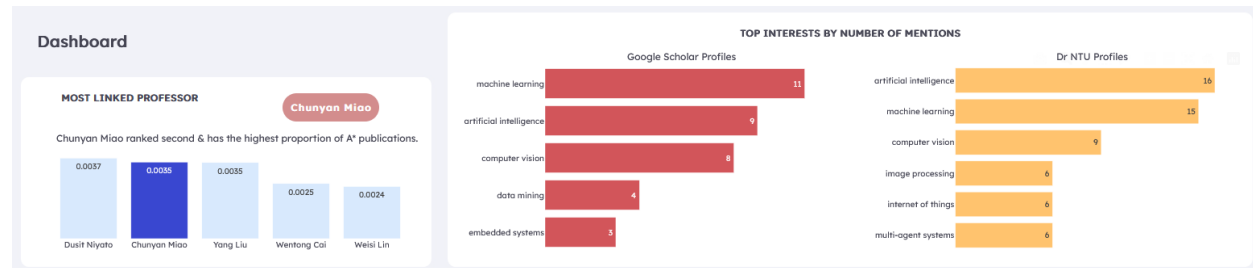
Page 1: Main Dashboard

Dashboard has been deployed with Heroku: <https://scse-dashboard.herokuapp.com/dashboard> (website is available until 28 November).



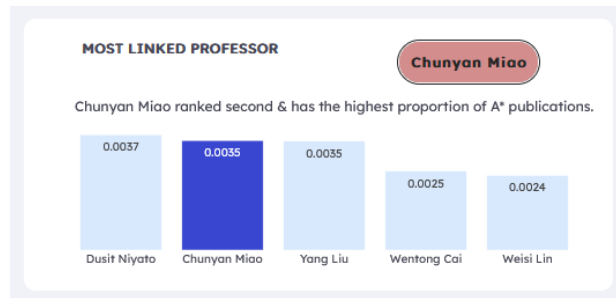
- For all pages, the hover text for the charts is descriptive and formatted properly.

Feature 1.1: First Row of Charts



- User can view the most linked researchers (determined using PageRank algorithm on full network – includes Conferences, Paper Titles and Authors as nodes).
- User can view the research interests that the researchers listed on their profiles. This was extracted from both dr-ntu and google scholar webpages.

Feature 1.1.2: Page Rank Chart:

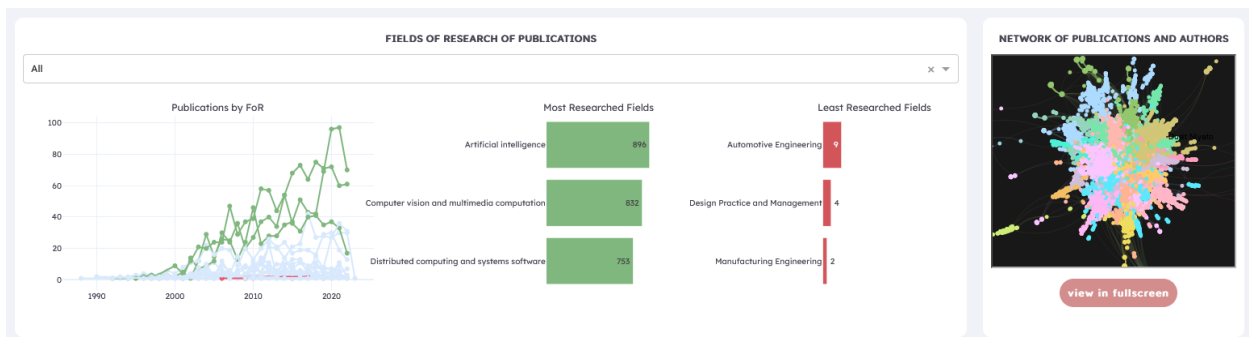


- Users can click on 'Chunyan Miao' to go to the 'Featured Profile' Page (also available through the navigation bar).

Below are the results from the PageRank algorithm.

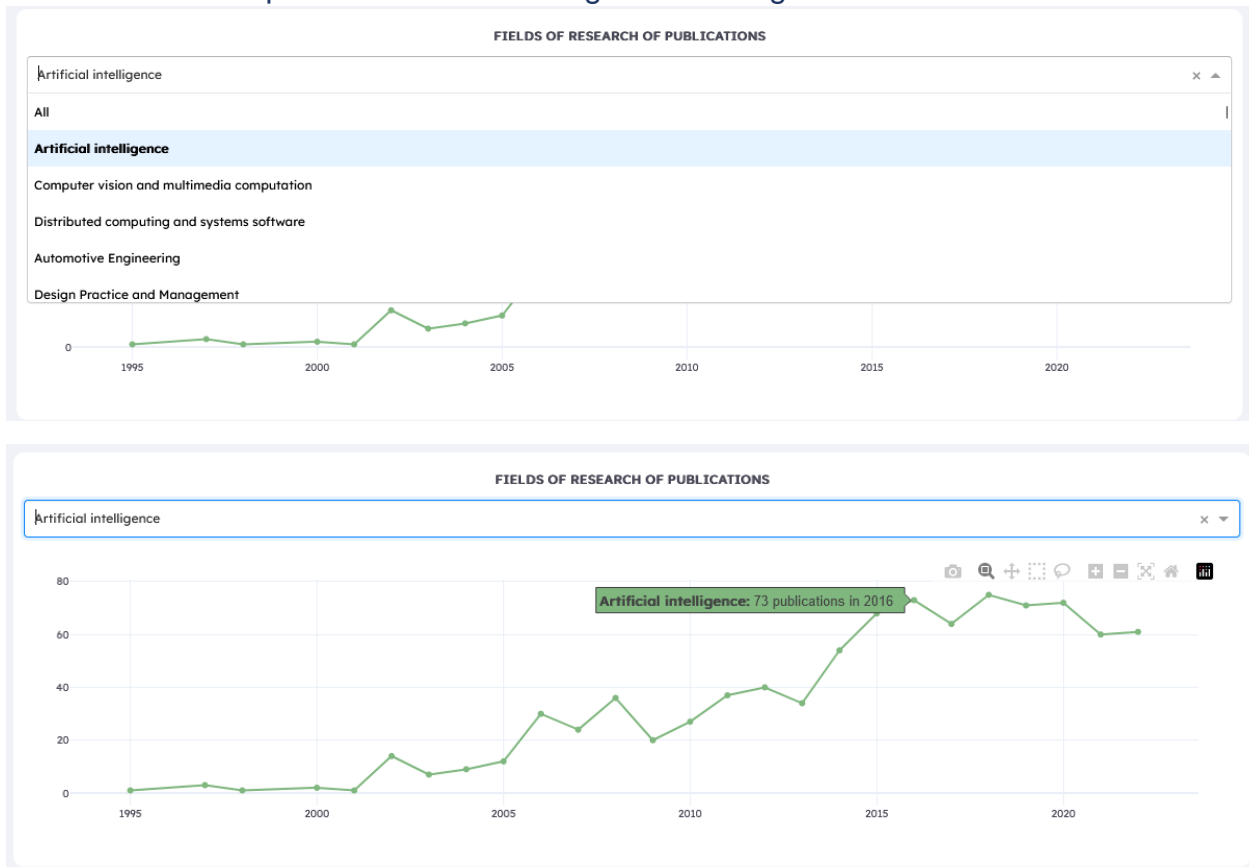
```
sorted_nodes[::-1]
[218]
... Output exceeds the size limit. Open the full output data in a text editor
[('CoRR', 0.00798005810351789),
 ('Dusit Niyato', 0.0036652823926369834),
 ('Chunyan Miao', 0.0034821263721203236),
 ('Yang Liu', 0.0034615370284195876),
 ('CVPR', 0.0033458203592631654),
 ('AAAI', 0.0032760049526189233),
 ('Wentong Cai', 0.002506084218430686),
 ('Weisi Lin', 0.0023736926539273833),
 ('Jie Zhang', 0.002207698915864509),
 ('Sourav S. Bhowmick', 0.002181222357227977),
 ('Cuntai Guan', 0.002174758797171482),
```

Feature 1.2: Second Row of Charts



- Users can view the number of publications for the different fields of research (FoR) over the years.
- They can also see the most researched fields and least researched fields, which are highlighted in the same colour on the line chart.
- There is a dropdown menu allowing users to filter the content.

Feature 1.2.1: Dropdown Menu Searching and Filtering



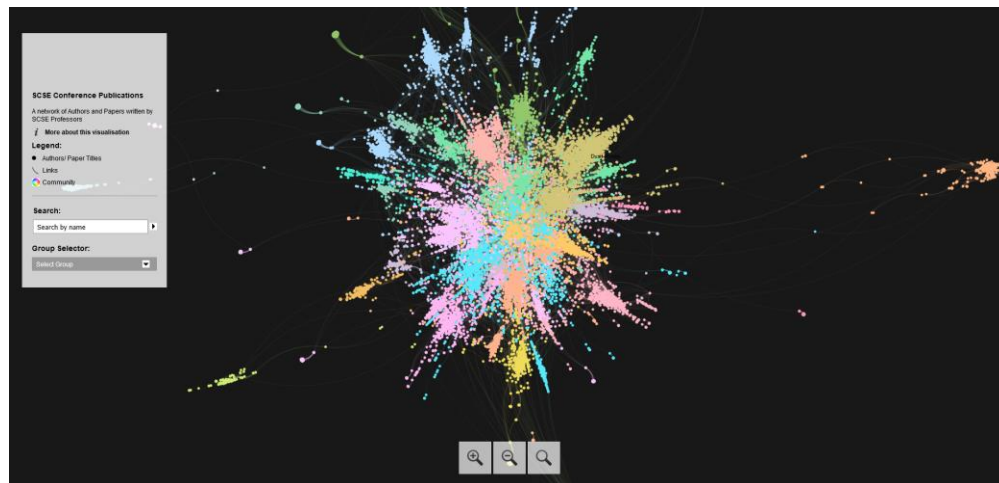
- Users can filter and view the chart for a specific FoR based on their selection.
- Dropdown menu items are ordered with the 'Most Researched Topics' and 'Least Researched Topics' at the start.
- Users can search for specific FoRs to view their publications over time.
- Hover text for all the charts is descriptive.

Feature 1.2.2: Network of Publications and Authors

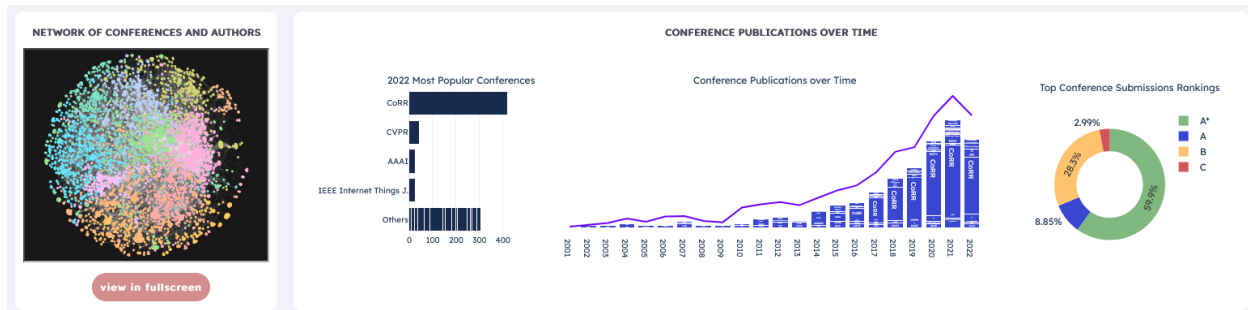
- Users can see a small version of the network diagram.
- Users can press 'view in fullscreen' to open the network diagram in another tab.



Network of Publications and Authors in Full Screen



Feature 1.3: Third Row of Charts



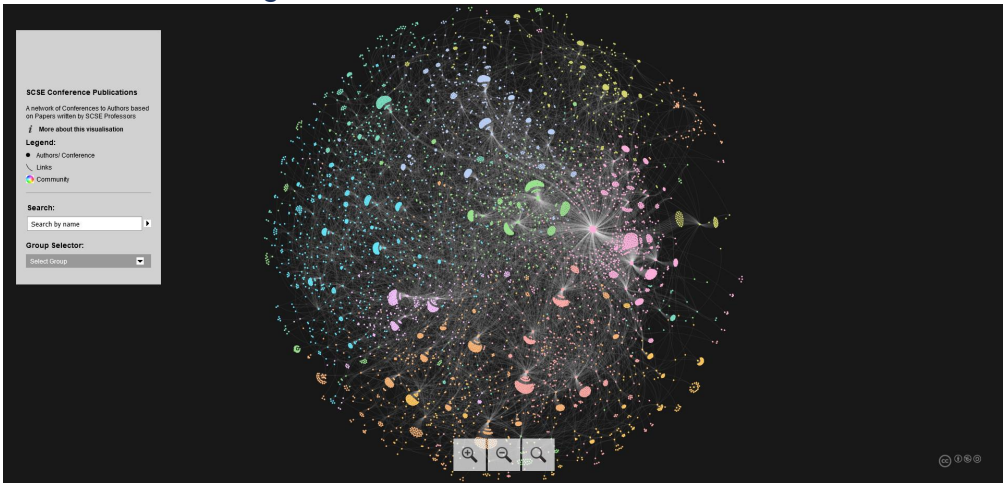
- Users can see the conference information and network diagram of SCSE researchers & conferences.

Feature 1.3.1: Conference Information



- Users can see the most popular conferences in 2022.
- Users can view a scatter plot of the total conference publications and a bar chart of the most popular conferences in the year.
- Users can see the all-time submission proportion in terms of rank.

Feature 1.3.2: Network Diagram of Conferences and Researchers in Full Screen



Page 2: Researcher Information

NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

School of Computer Science & Engineering

Dashboard >

Researchers >

Featured Profile >

RECENT A* PUBLICATIONS

VC-Tune: Tuning and Exploring Distributed Vertex-Centric Graph Systems. Zichen Zhu, Siqiang Luo, , et al. 2022. ICDE.

Extract Free Dense Labels from CLIP: Chong Zhou, Chen Change Loy, Bo Dai. 2022. ECCV.

Exploring the Effectiveness of Video Perceptual Representation in Blind Video Quality Assessment. Liang Liao, Kangmin Xu, , et al. 2022. ACM Multimedia.

NETWORK OF SCSE-ONLY AUTHORS

view in fullscreen

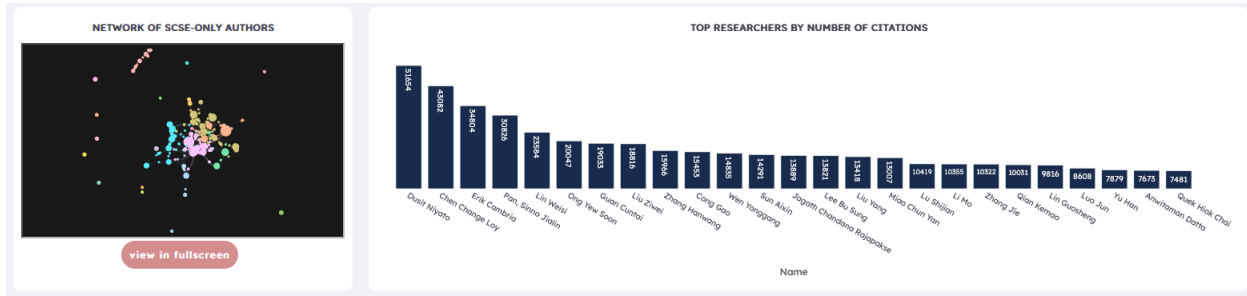
TOP RESEARCHERS BY NUMBER OF CITATIONS

Rank	Researcher	Citations
1	Chen Change Loy	2949
2	Erik Cambria	2000
3	Liu Wei	1985
4	Qing-Yue Li	1985
5	Li Wei	1985
6	Qing-Yue Li	1985
7	Li Wei	1985
8	Qing-Yue Li	1985
9	Li Wei	1985
10	Qing-Yue Li	1985
11	Li Wei	1985
12	Qing-Yue Li	1985
13	Li Wei	1985
14	Qing-Yue Li	1985
15	Li Wei	1985
16	Qing-Yue Li	1985
17	Li Wei	1985
18	Qing-Yue Li	1985
19	Li Wei	1985
20	Qing-Yue Li	1985

SCSE RESEARCHER INFORMATION

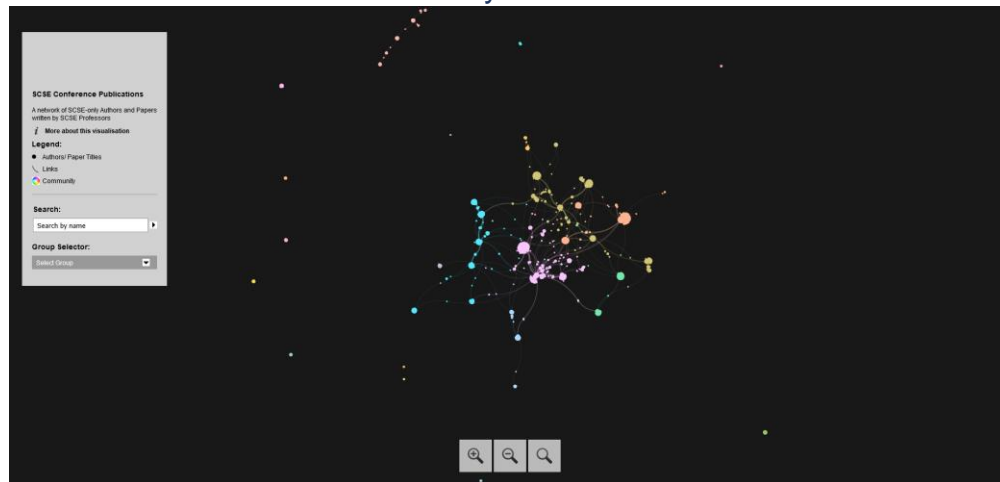
	Name	Title	email	dr-ntu url	personal website	google scholar url	dblp url	citations	keywords
<input type="checkbox"/>	Wai Kin Adams Kong	Associate Professor, School of Computer Science and Engineering	adamskong@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/p00854			https://dblp.org/pid/16/3792		["Computer Science and Engineering", "Smart Cities"]
<input type="checkbox"/>	Luu Anh Tuan	Assistant Professor, School of Computer Science and Engineering	anhluan@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/p01296	https://luanluu.github.io/	https://scholar.google.com/citations?hl=en&user=doiXOGYAAAAAJ	https://dblp.org/pid/81/8329	2949	["Computer Science and Engineering"]
<input type="checkbox"/>	Anupam Chattopadhyay	Associate Professor, School of Computer Science and Engineering	anupam@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/p01076	https://scholar.google.co.in/citations?user=TI14ggwAAAAAJ&hl=en	https://scholar.google.com/citations?hl=en&user=TI14ggwAAAAAJ	https://dblp.org/pid/94/4535	4891	["Computer Science and Engineering", "Electrical and Electronic Engineering", "Microelectronics & Applications", "Nanotechnology & Nano-Science", "Security Studies & Policy Issues", "Computing Hardware and Architecture", "Hardware and Embedded Systems"]
<input type="checkbox"/>	Anwitaman Datta	Associate Professor, School of Computer Science and Engineering	anwitaman@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/p00706	https://personal.ntu.edu.sg/anwitaman/	https://scholar.google.com/citations?hl=en&user=VWt5_GIAAAAAAJ	https://dblp.org/pid/d/anwitaman.datta	7675	["Computer Science and Engineering", "Parallel and Distributed Computing"]
<input type="checkbox"/>	Arvind Easwaran	Associate Professor, School of Computer Science and Engineering	arvinde@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/p00067	https://cps-research-group.github.io/	https://scholar.google.com/citations?hl=en&user=B_ouTgAAAAAJ	https://dblp.org/pid/75/1708	2509	["Computer Science and Engineering", "Computing Hardware and Architecture"]
<input type="checkbox"/>	Vun Chan Huu, Nicholas	Associate Chair (Academic), School of Computer Science and Engineering	aschvun@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/p00839			https://dblp.org/pid/69/8028		["Computer Science and Engineering", "Electrical and Electronic Engineering", "Information Communication Technology", "Internet & Communications", "Computing Hardware and Architecture"]
		Associate Professor, School							["Biomedical Sciences & Life Sciences"]

Feature 2.1: First Row of Charts



- Users can view the SCSE-only network diagram in which non-SCSE co-authors were removed.
- Users can see the number of citations of the top researchers.

Feature 2.1.2: Network Chart of SCSE-only Authors in Full Screen



Feature 2.2: Table of Information on SCSE Researchers

SCSE RESEARCHER INFORMATION									
	Name	Title	email	dr-ntu url	personal website	google scholar url	dblp url	citations	keywords
<input type="checkbox"/>	Wai Kin Adams Kong	Associate Professor, School of Computer Science and Engineering	adamskong@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00834			https://dblp.org/pid/16/3792		['Computer Science and Engineering', 'Smart Cities']
<input type="checkbox"/>	Luu Anh Tuan	Assistant Professor, School of Computer Science and Engineering	anhluan@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp01296	https://luanluu.github.io/	https://scholar.google.com/citations?hl=en&user=d6ixOGYAAAAJ	https://dblp.org/pid/81/8329	2949	['Computer Science and Engineering']
<input type="checkbox"/>	Anupam Chattopadhyay	Associate Professor, School of Computer Science and Engineering	anupam@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp01076	https://scholar.google.com/citations?user=T14ggwAAAAJ&hl=en	https://scholar.google.com/citations?hl=en&user=T14ggwAAAAJ	https://dblp.org/pid/99/4535	4891	['Computer Science and Engineering', 'Electrical and Electronic Engineering', 'Microelectronics & Applications', 'Nanotechnology & Nano-Science', 'Security Studies & Policy Issues', 'Computing Hardware and Architecture', 'Hardware and Embedded Systems']
<input type="checkbox"/>	Anwitaman Datta	Associate Professor, School of Computer Science and Engineering	anwitaman@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00706	https://personal.ntu.edu.sg/anwitaman/	https://scholar.google.com/citations?hl=en&user=VWv3_OIAAAAAJ	https://dblp.org/pid/d/AnwitamanDatta	7675	['Computer Science and Engineering', 'Parallel and Distributed Computing']
<input type="checkbox"/>	Arvind Easwaran	Associate Professor, School of Computer Science and Engineering	arvinde@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00687	https://cps-research-group.github.io/	https://scholar.google.com/citations?hl=en&user=B_ouHgAAAAJ	https://dblp.org/pid/73/1708	2509	['Computer Science and Engineering', 'Computing Hardware and Architecture']
<input type="checkbox"/>	Vun Chan Hua, Nicholas	Associate Chair (Academic), School of Computer Science and Engineering	aschvun@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00839			https://dblp.org/pid/69/8028		['Computer Science and Engineering', 'Electrical and Electronic Engineering', 'Information Communication Technology', 'Internet & Communications', 'Computing Hardware and Architecture']

- Users can view the information of the researchers, such as their websites/ online profiles, their title, email, number of citations and dr-ntu keywords.
- Users are able to filter and sort the columns of the table.

Feature 2.2.1: Filtering and Sorting Table Information

SCSE RESEARCHER INFORMATION									
	Name	Title	email	dr-ntu url	personal website	google scholar url	dblp url	citations	keywords
<input type="checkbox"/>	Anwitaman Datta	Associate Professor, School of Computer Science and Engineering	anwitaman@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00706	https://personal.ntu.edu.sg/anwitaman/	https://scholar.google.com/citations?hl=en&user=VW3_O1AAAAJ	https://dblp.org/pid/d/AnwitamanDatta	7673	['Computer Science and Engineering', 'Parallel and Distributed Computing']

SCSE RESEARCHER INFORMATION									
	Name	Title	email	dr-ntu url	personal website	google scholar url	dblp url	citations	keywords
<input type="checkbox"/>	Wai Kin Adams Kong	Associate Professor, School of Computer Science and Engineering	adamskong@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00834			https://dblp.org/pid/16/3792		['Computer Science and Engineering', 'Smart Cities']
<input type="checkbox"/>	Chng Eng Siong	Associate Professor, School of Computer Science and Engineering	aseschng@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00098	https://personal.ntu.edu.sg/aseschng/default.html	https://scholar.google.com/citations?hl=en&user=FJadrCcaAAA	https://dblp.org/pid/c/ChngEngSiong	6837	['Computational Intelligence', 'Smart Cities', 'Artificial and Augmented Intelligence']
<input type="checkbox"/>	Alexei Sourin	Associate Professor, School of Computer Science and Engineering	assourin@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00274	http://www3.ntu.edu.sg/home/assourin/	https://scholar.google.com/citations?hl=en&user=8A7kHCYAAAAJ	https://dblp.org/pid/15/3108	2731	['Computer Science and Engineering', 'Interactive Digital Media', 'Graphics and Interactive Computing', 'Smart Cities']
<input type="checkbox"/>	Ong Yew Soon	Co-Director, Singtel Cognitive and Artificial Intelligence Lab (SCALE@NTU)	osysong@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00092	http://www3.ntu.edu.sg/home/osysong/	https://scholar.google.com/citations?hl=en&user=KpgLmcAAAAJ	https://dblp.org/pid/64/4136	20047	['Computer Science and Engineering', 'Smart Cities']
<input type="checkbox"/>	Bo An	Professor, School of Computer Science and Engineering	boan@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00698	https://personal.ntu.edu.sg/boan/	https://scholar.google.com/citations?hl=en&user=PEEpuNwAAAAJ	https://dblp.org/pid/42/6178-1	5404	['Computational Intelligence', 'Information Sciences and Systems', 'Robotics and Intelligent Systems', 'Smart Cities', 'Artificial and Augmented Intelligence', 'Economics', 'Smart Cities']
<input type="checkbox"/>	Cong Gao	Co-Director, Singtel Cognitive and Artificial Intelligence Lab for Enterprises@NTU	gaocong@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00744	https://personal.ntu.edu.sg/gaocong/	https://scholar.google.com/citations?hl=en&user=WFFamJKAAAAJ	https://dblp.org/pid/33/3180	15453	['Artificial and Augmented Intelligence', 'Computer Science and Engineering', 'Smart Cities', 'Sociology']

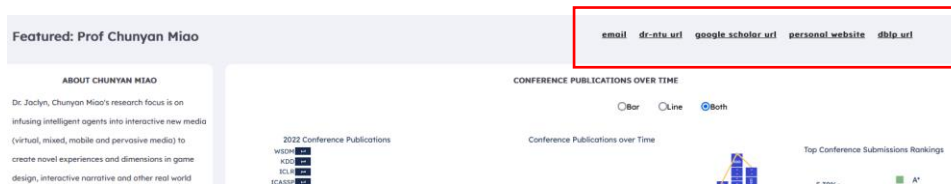
	Name	Title	email	dr-ntu url	
<input type="checkbox"/>	Luu Anh Tuan	Assistant Professor, School of Computer Science and Engineering	anhluan.luu@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp01296	
<input type="checkbox"/>	Long Cheng	Assistant Professor, School of Computer Science and Engineering	c.long@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00772	https:
<input type="checkbox"/>	Lin Guosheng	Assistant Professor, School of Computer Science and Engineering	gslin@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00483	
<input type="checkbox"/>	Zhao Jun	Assistant Professor, School of Computer Science and Engineering	junzhao@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00501	http:
<input type="checkbox"/>	Lana Obraztsova	Assistant Professor, School of Computer Science and Engineering	lana@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00219	
<input type="checkbox"/>	Mohamed M. Sabry	Assistant Professor, School of Computer Science and Engineering	msabry@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00314	htt
<input type="checkbox"/>	Lin Shang-Wei	Assistant Professor, School of Computer Science and Engineering	shang-wei.lin@ntu.edu.sg	https://dr.ntu.edu.sg	https://

- Users can search for specific matches for each column in the table.
- They can also sort every column in the table.

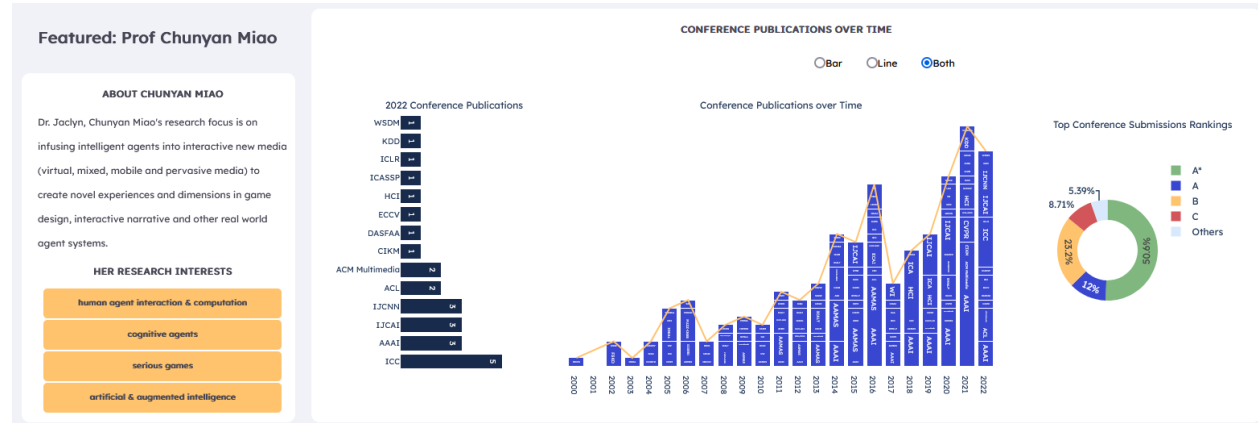
Page 3: Featured Profile



- Featured profile was selected based on PageRank scores. After calculating the PageRank scores, I looked at the researchers and sorted them by the number of publications to A* papers. Therefore, the profile chosen was 'Chunyan Miao'.
- There are clickable links at the top of the page so that users can email the feature professor or access their websites.

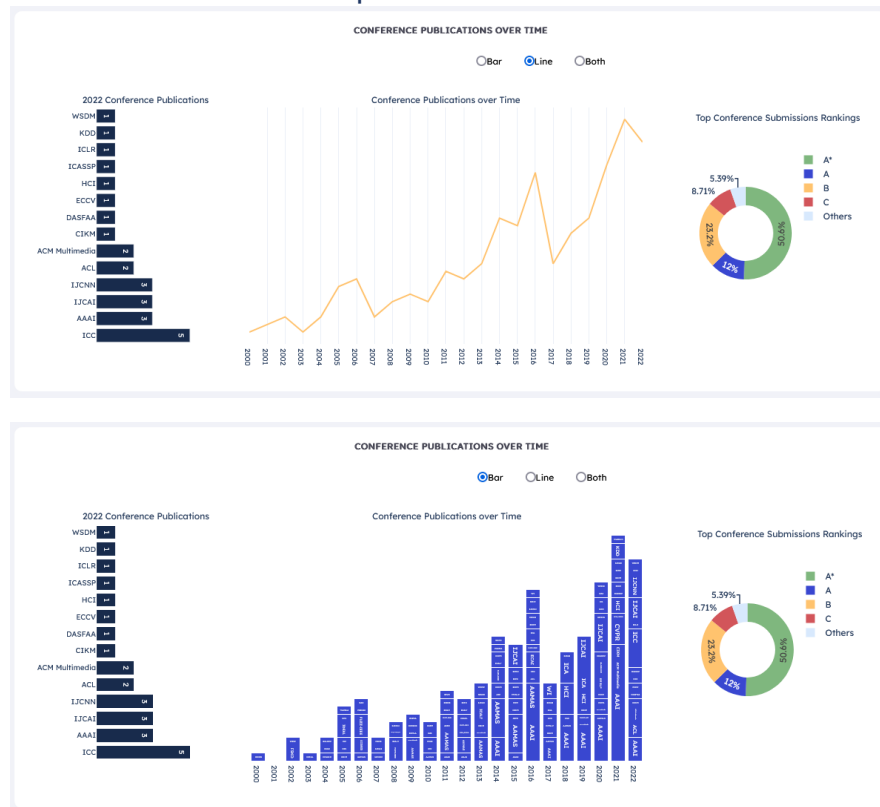


Feature 3.1: First Row of Charts



- Users can view the profile information of the professor – which was extracted from her dr-ntu profile.
- Users can view her research interests (shorten information which was extracted from her google scholar profile and dr-ntu profile).
- Users can view information on her conference publications.
- Around 50% of her publications are to A* ranked conferences.

Feature 3.1.1: Bar/Line/Both Radio Options



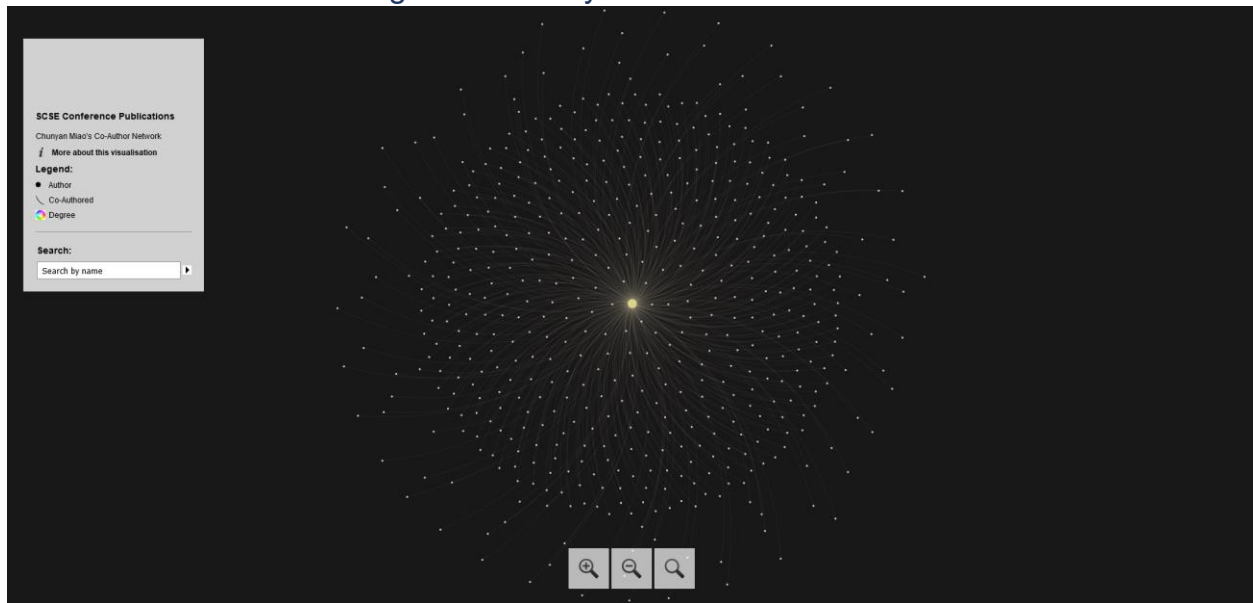
- Users can toggle charts between 'Line', 'Bar' or 'Both' depending on if they are interested in the number of submissions to each conference or just the total number.
- Users can also see the number of conference publications in 2022 by the conference name.
- This feature is also available on a few other charts for users to change the view to their liking.

Feature 3.2: Second Row of Charts



- Users can view the FoR of the professor, and her most/least researched areas.
- There is a dropdown menu to filter the chart (view '**Feature 1.2.1: Dropdown Menu Filtering**' for detailed information).

Feature 3.2.1: Network Diagram of Chunyan Miao's Co-Authors in Full Screen

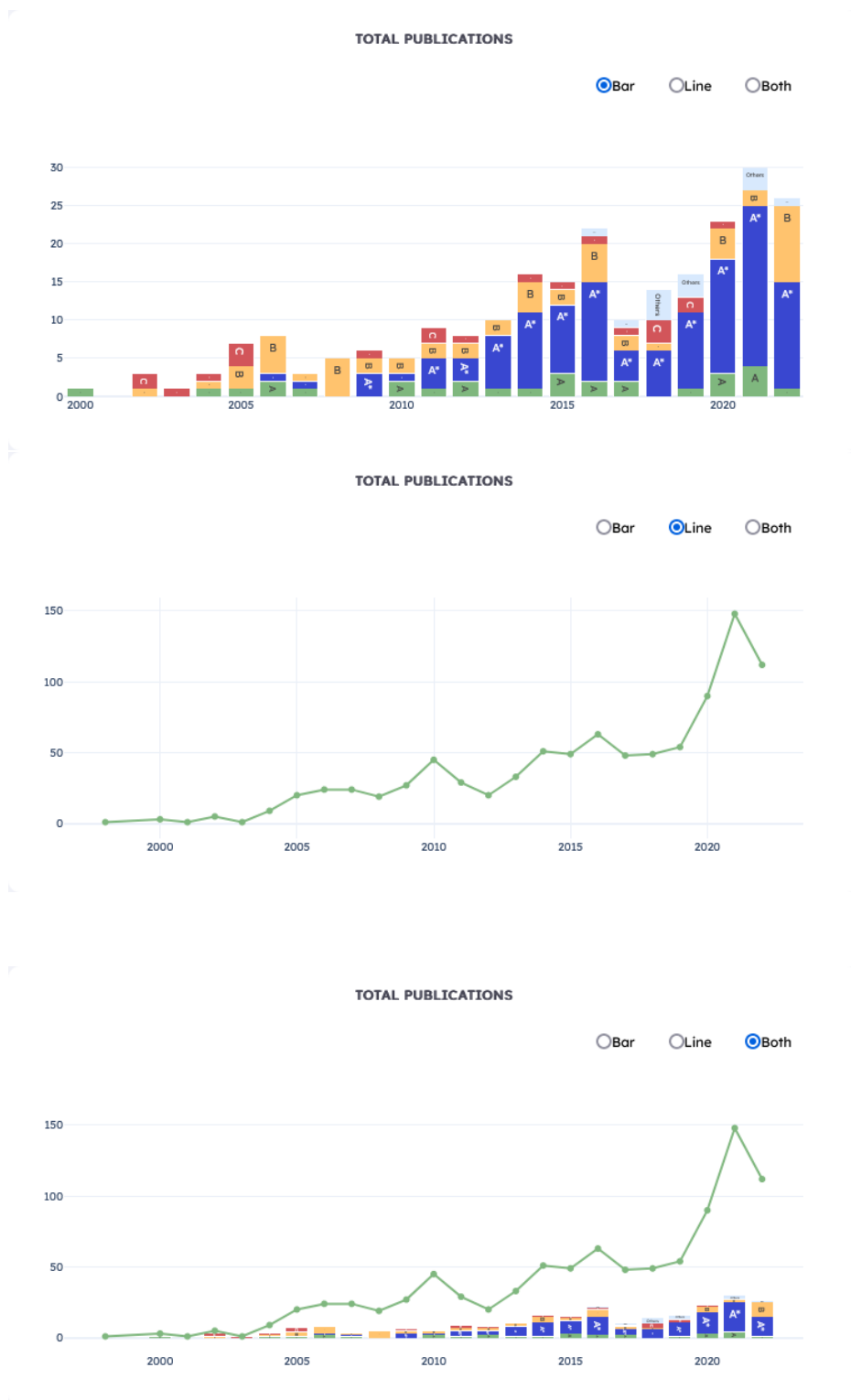


Feature 3.3: Third Row of Charts



- Users can view the total google scholar citations over the years of Chunyan Miao (taken from her google scholar website).
- They can also see the total number of publications she has made over the years, and the proportion of which were in ranked conferences.
- There is a radio menu for the charts to change the view from line charts, bar charts or both.
- This is especially handy for the 'TOTAL PUBLICATIONS' chart as the user can compare the total publications to the publications submitted to ranked conferences, and further examine the proportion of ranked submissions over the years.

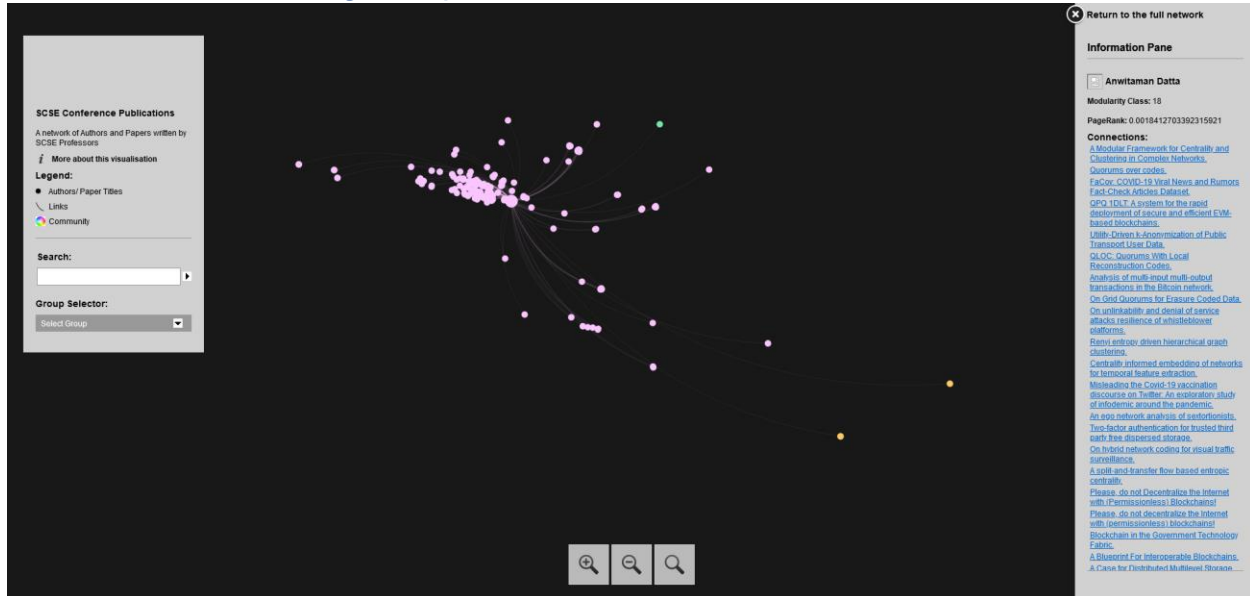
Toggling between 'Bar', 'Line' and 'Both'



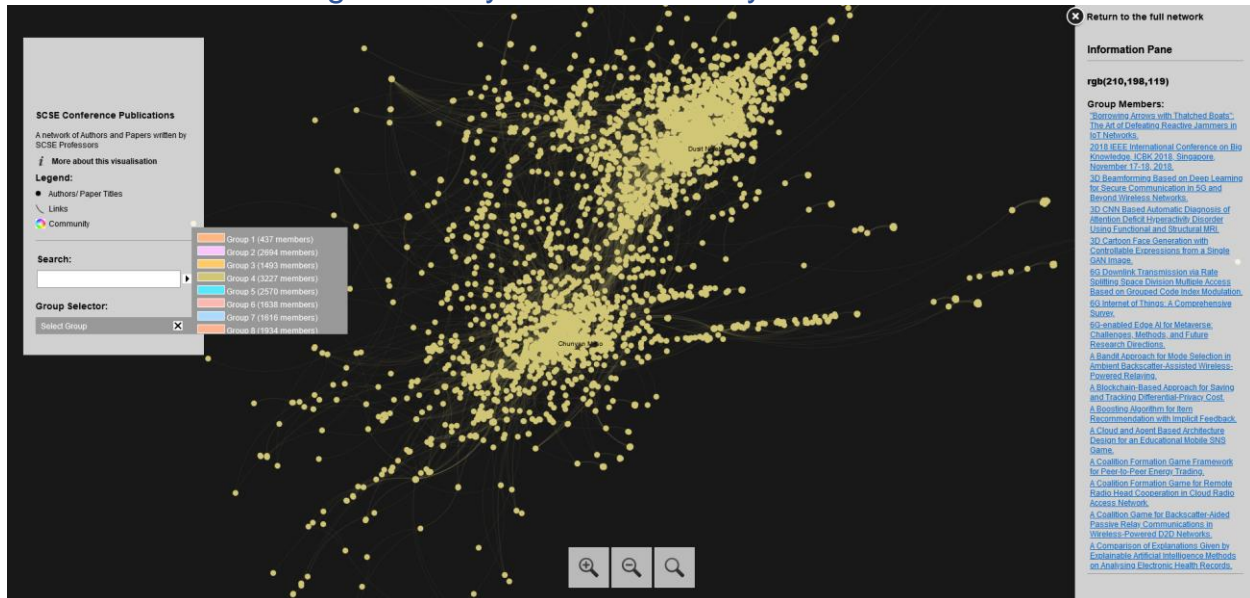
Feature 4: Network Diagrams

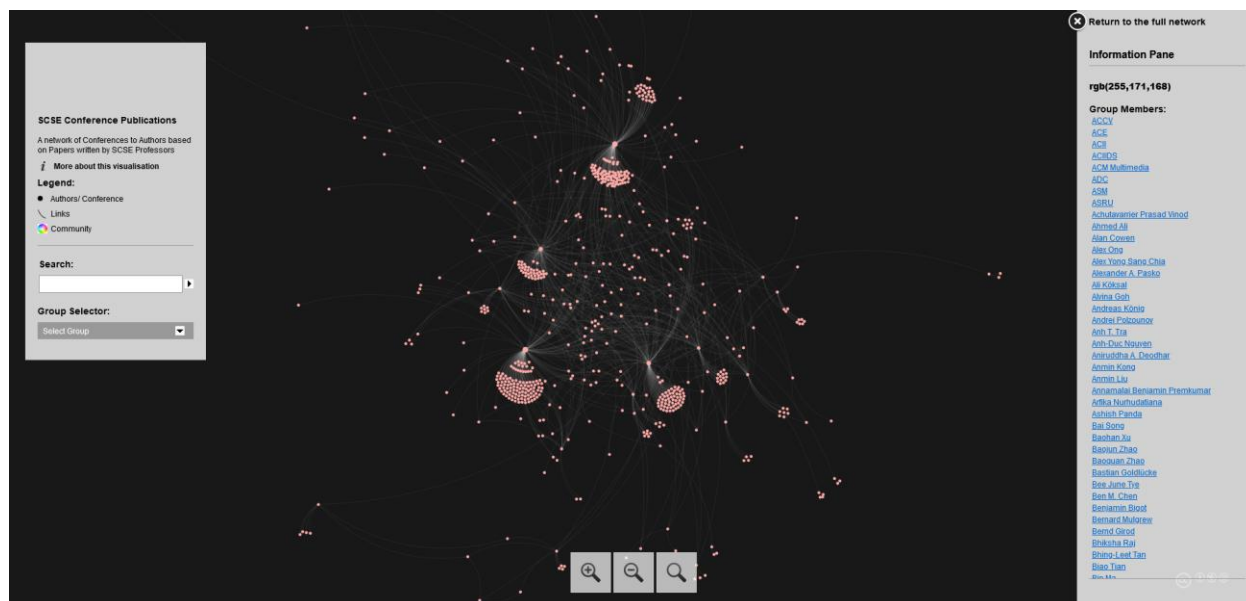
- Users can search specific nodes in the network charts.
- They can also select the different groups and view the members (based on community detection algorithm).
- For every selection they make, users will be able to view the connections/ group members in the panel on the right.
- Nodes will also have label as the user moves the mouse c

Feature 4.1: Searching for Specific Nodes

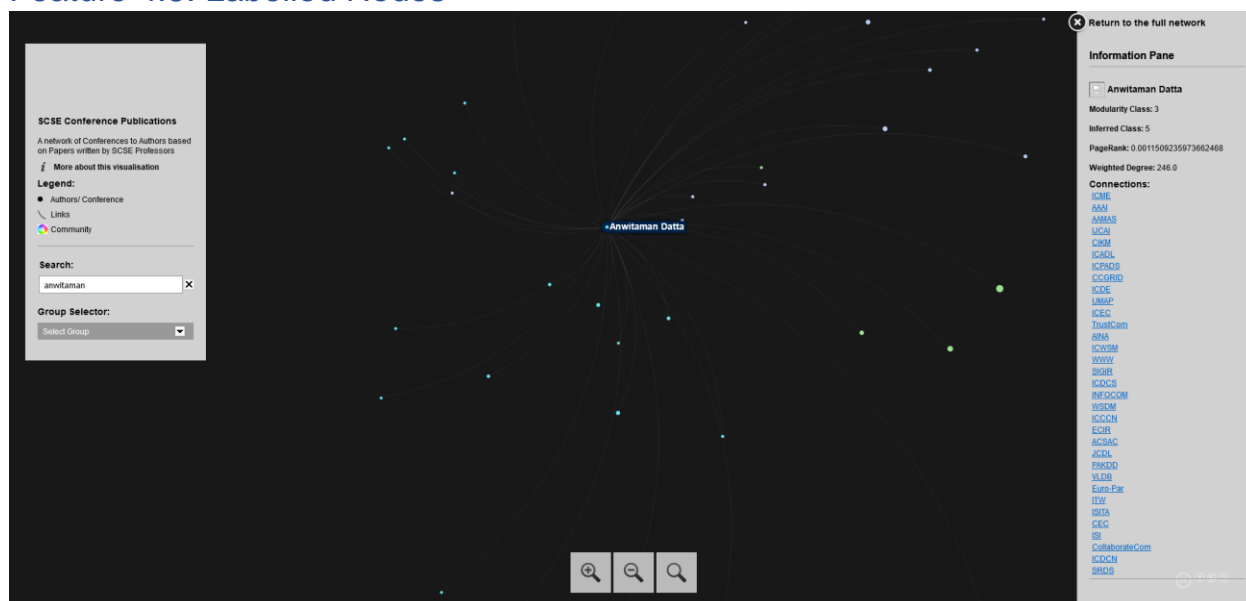


Feature 4.2: Selecting Nodes by their Community.





Feature 4.3: Labelled Nodes



Feature 5: Navigation Bar

- Users can go to three different pages – ‘Dashboard’, ‘Researchers’ and ‘Featured Profile’.
- They can also view the recent A* ranked publications by SCSE Researchers OR the recent publications of the featured researcher, depending on the page they are on.

Feature 5.1: Navigation Bar for Pages 1 and 2 (Main Dashboard and Researcher Information)



School of Computer Science & Engineering

[Dashboard >](#)

[Researchers >](#)

[Featured Profile >](#)

RECENT A* PUBLICATIONS

VC-Tune: Tuning and Exploring Distributed Vertex-Centric Graph Systems. Zichen Zhu, Siqiang Luo, , et al. 2022. ICDE.

Extract Free Dense Labels from CLIP. Chong Zhou, Chen Change Loy, Bo Dai. 2022. ECCV.

Exploring the Effectiveness of Video Perceptual Representation in Blind Video Quality Assessment. Liang Liao, Kangmin Xu, , et al. 2022. ACM Multimedia.



School of Computer Science & Engineering

[Dashboard >](#)

[Researchers >](#)

[Featured Profile >](#)

RECENT A* PUBLICATIONS

VC-Tune: Tuning and Exploring Distributed Vertex-Centric Graph Systems. Zichen Zhu, Siqiang Luo, , et al. 2022. ICDE.

Extract Free Dense Labels from CLIP. Chong Zhou, Chen Change Loy, Bo Dai. 2022. ECCV.

Exploring the Effectiveness of Video Perceptual Representation in Blind Video Quality Assessment. Liang Liao, Kangmin Xu, , et al. 2022. ACM Multimedia.

Feature 5.2: Navigation Bar for Page 3 (Chunyan Miao's Profile)



School of Computer Science & Engineering

[Dashboard >](#)

[Researchers >](#)

[Featured Profile >](#)

RECENT PUBLICATIONS

Dynamic Incentive Mechanism Design for
COVID-19 Social Distancing. Xuan Rong Zane
Ho, Wei Yang Bryan Lim, Hongchao Jiang, Jer
Shyuan Ng, Han Yu, Zehui Xiong, Dusit Niyato,
Chunyan Miao. 2022. AAAI.

Prior-Guided Transfer Learning for Enhancing
Item Representation in E-commerce. Heng-Yi Li,
Yabo Ni, Anxiang Zeng, Han Yu, Chunyan Miao.
2022. AAAI.

APPENDIX: Full Page Screenshots

Note: Page overflow is shown here for illustrative purposes. On the actual dashboard, user will scroll on the page to see the overflow.



School of Computer Science & Engineering

[Dashboard >](#)

[Researchers >](#)

[Featured Profile >](#)

RECENT A* PUBLICATIONS

VC-Tune: Tuning and Exploring Distributed Vertex-Centric Graph Systems. Zichen Zhu, Siqiang Luo, , et al. 2022. ICDE.

Extract Free Dense Labels from CLIP. Chong Zhou, Chen Change Loy, Bo Dai. 2022. ECCV.

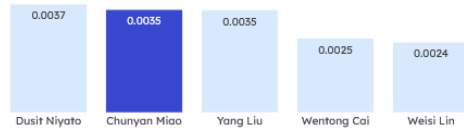
Exploring the Effectiveness of Video Perceptual Representation in Blind Video Quality Assessment. Liang Liao, Kangmin Xu, , et al. 2022. ACM Multimedia.

Dashboard

MOST LINKED PROFESSOR

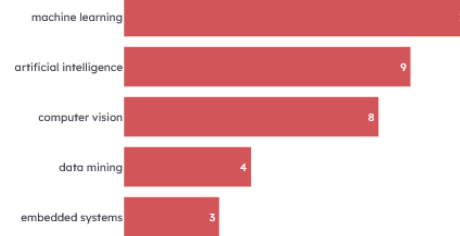
Chunyan Miao

Chunyan Miao ranked second & has the highest proportion of A* publications.

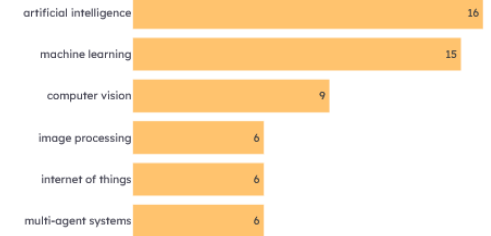


TOP INTERESTS BY NUMBER OF MENTIONS

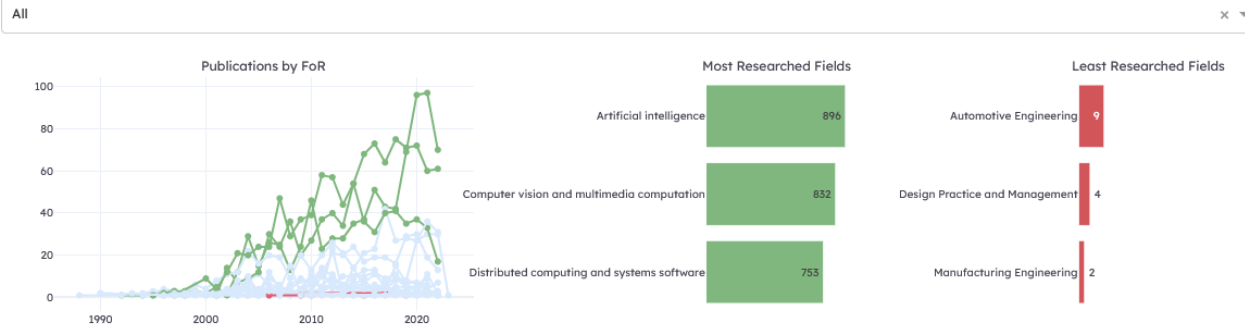
Google Scholar Profiles



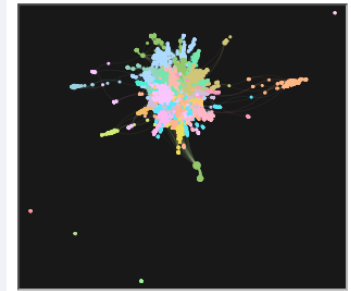
Dr NTU Profiles



FIELDS OF RESEARCH OF PUBLICATIONS

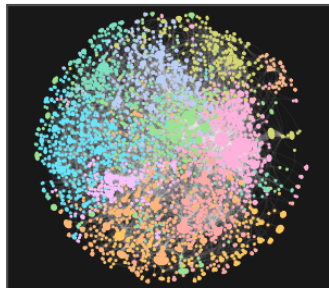


NETWORK OF PUBLICATIONS AND AUTHORS



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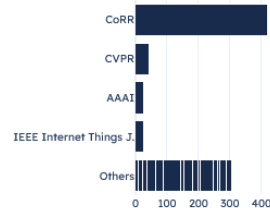
NETWORK OF CONFERENCES AND AUTHORS



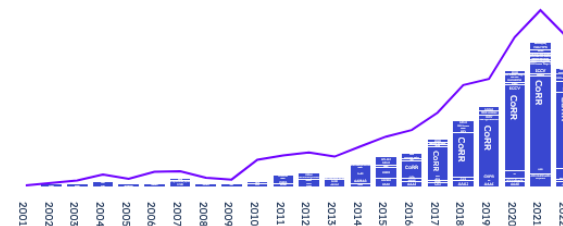
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CONFERENCE PUBLICATIONS OVER TIME

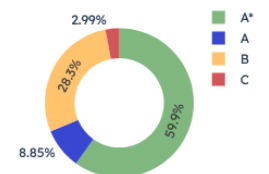
2022 Most Popular Conferences



Conference Publications over Time



Top Conference Submissions Rankings





School of Computer Science & Engineering

[Dashboard >](#)[Researchers >](#)[Featured Profile >](#)

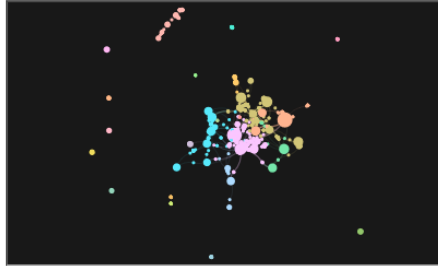
RECENT A* PUBLICATIONS

VC-Tune: Tuning and Exploring Distributed Vertex-Centric Graph Systems. Zichen Zhu, Siqiang Luo, , et al. 2022. ICDE.

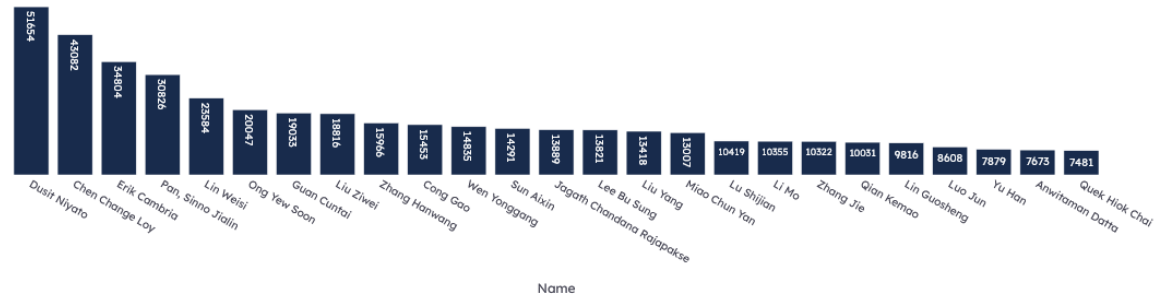
Extract Free Dense Labels from CLIP. Chong Zhou, Chen Change Loy, Bo Dai. 2022. ECCV.

Exploring the Effectiveness of Video Perceptual Representation in Blind Video Quality Assessment. Liang Liao, Kangmin Xu, , et al. 2022. ACM Multimedia.

NETWORK OF SCSE-ONLY AUTHORS

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TOP RESEARCHERS BY NUMBER OF CITATIONS



SCSE RESEARCHER INFORMATION

	Name	Title	email	dr-ntu url	personal website	google scholar url	dblp url	citations	keywords
	filter data...								
<input type="checkbox"/>	Wai Kin Adams Kong	Associate Professor, School of Computer Science and Engineering	adamskong@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00834			https://dblp.org/pid/16/3792		['Computer Science and Engineering', 'Smart Cities']
<input type="checkbox"/>	Luu Anh Tuan	Assistant Professor, School of Computer Science and Engineering	anhluan.luu@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp01296	https://luanluu.github.io/	https://scholar.google.com/citations?hl=en&user=d6ixOGYAAAAJ	https://dblp.org/pid/81/8329	2949	['Computer Science and Engineering']
<input type="checkbox"/>	Anupam Chattopadhyay	Associate Professor, School of Computer Science and Engineering	anupam@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp01076	https://scholar.google.co.in/citations?user=TI14ggwAAAAJ&hl=en	https://scholar.google.com/citations?hl=en&user=TI14ggwAAAAJ	https://dblp.org/pid/99/4535	4891	['Computer Science and Engineering', 'Electrical and Electronic Engineering', 'Microelectronics & Applications', 'Nanotechnology & Nano-Science', 'Security Studies & Policy Issues', 'Computing Hardware and Architecture', 'Hardware and Embedded Systems']
<input type="checkbox"/>	Anwitaman Datta	Associate Professor, School of Computer Science and Engineering	anwitaman@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00706	https://personal.ntu.edu.sg/anwitaman/	https://scholar.google.com/citations?hl=en&user=Vwi3_OIAAAAAJ	https://dblp.org/pid/d/AnwitamanDatta	7673	['Computer Science and Engineering', 'Parallel and Distributed Computing']
<input type="checkbox"/>	Arvind Easwaran	Associate Professor, School of Computer Science and Engineering	arvinde@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00687	https://cps-research-group.github.io/	https://scholar.google.com/citations?hl=en&user=B_ouhTgAAAAJ	https://dblp.org/pid/73/1708	2509	['Computer Science and Engineering', 'Computing Hardware and Architecture']
<input type="checkbox"/>	Vun Chan Hua, Nicholas	Associate Chair (Academic), School of Computer Science and Engineering	aschvun@ntu.edu.sg	https://dr.ntu.edu.sg/cris/rp/rp00839			https://dblp.org/pid/69/8028		['Computer Science and Engineering', 'Electrical and Electronic Engineering', 'Information Communication Technology', 'Internet & Communications', 'Computing Hardware and Architecture']
		Associate Professor, School							['Biomedical Sciences & Life Sciences',



School of Computer Science & Engineering

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RECENT PUBLICATIONS

Dynamic Incentive Mechanism Design for COVID-19 Social Distancing. Xuan Rong Zane Ho, Wei Yang Bryan Lim, Hongchao Jiang, Jer Shyuan Ng, Han Yu, Zehui Xiong, Dusit Niyato, Chunyan Miao. 2022. AAAI.

Prior-Guided Transfer Learning for Enhancing Item Representation in E-commerce. Heng-Yi Li, Yabo Ni, Anxiang Zeng, Han Yu, Chunyan Miao. 2022. AAAI.

CCLF: A Contrastive-Curiosity-Driven Learning Framework for Sample-Efficient Reinforcement Learning. Chenyu Sun, Hangwei Qian, Chunyan Miao, Chenyu Sun, Hangwei Qian, Chunyan Miao. 2022. IJCAI.

Featured: Prof Chunyan Miao

ABOUT CHUNYAN MIAO

Dr. Jaclyn, Chunyan Miao's research focus is on infusing intelligent agents into interactive new media (virtual, mixed, mobile and pervasive media) to create novel experiences and dimensions in game design, interactive narrative and other real world agent systems.

HER RESEARCH INTERESTS

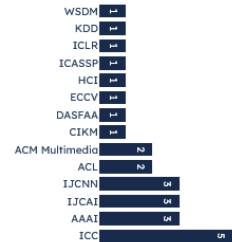
human agent interaction & computation

cognitive agents

serious games

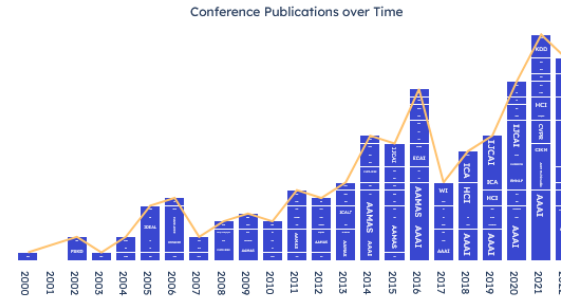
artificial & augmented intelligence

2022 Conference Publications

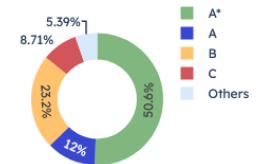


CONFERENCE PUBLICATIONS OVER TIME

☐ Bar ☐ Line ☒ Both

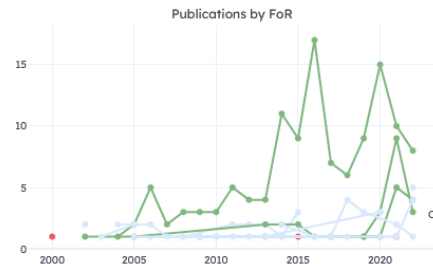


Top Conference Submissions Rankings

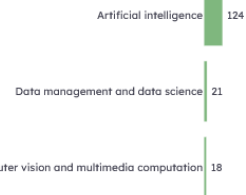


FIELDS OF RESEARCH OF PUBLICATIONS

All



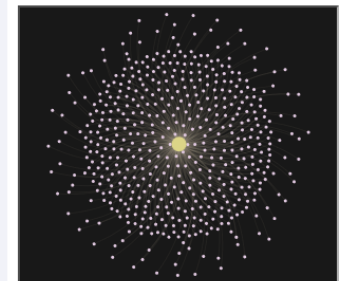
Most Researched Fields



Least Researched Fields



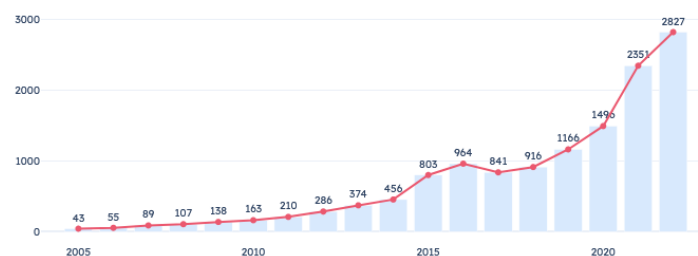
NETWORK OF CO-AUTHORS



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GOOGLE SCHOLAR CITATIONS

☐ Bar ☐ Line ☒ Both



TOTAL PUBLICATIONS

☐ Bar ☐ Line ☒ Both

