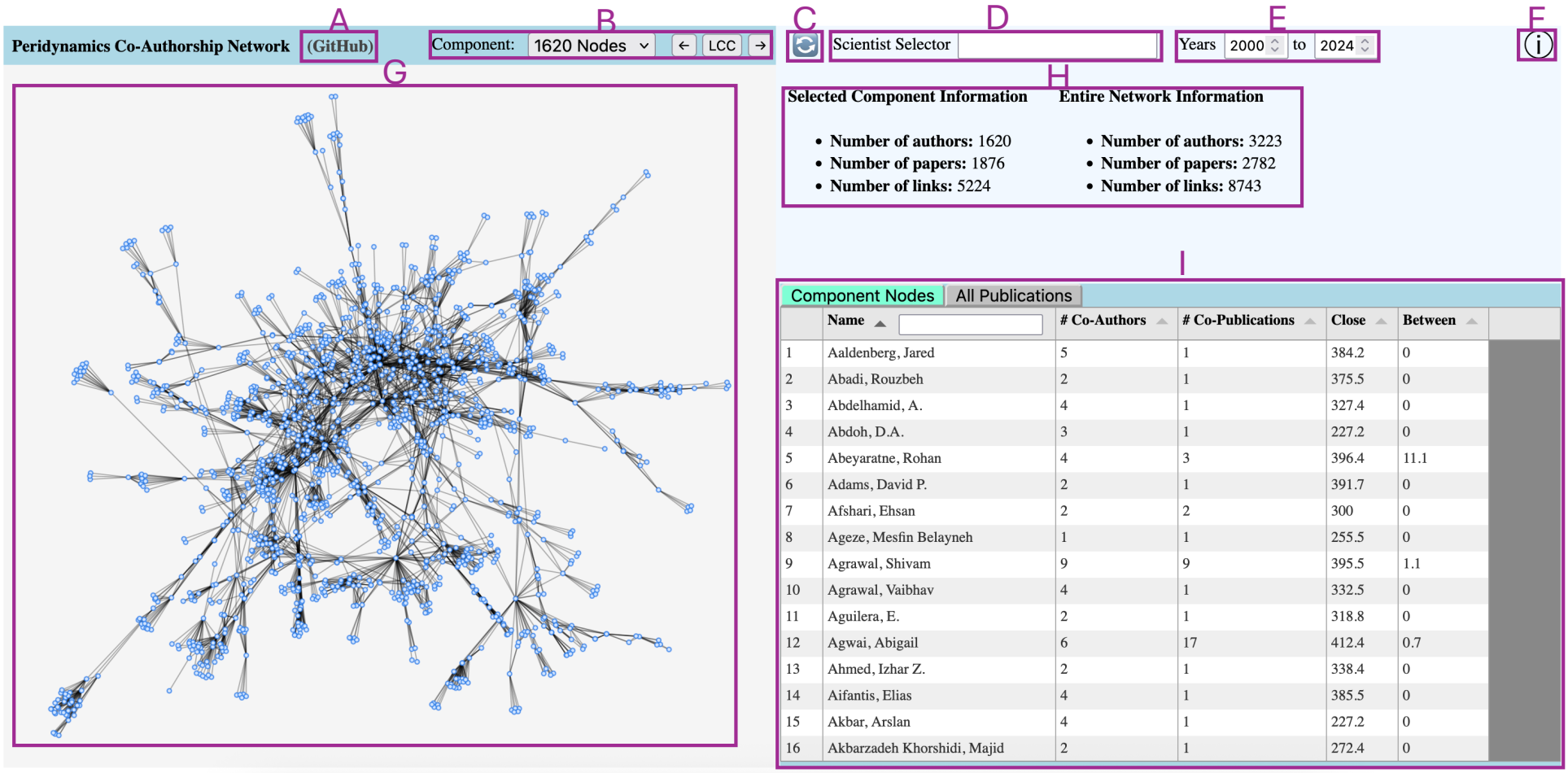
Default View



A. Link to GitHub
B. Component Selector
C. Center Network View
D. Scientist Selector
E. Year Range Selector
F. Tool Overview
G. Network Visualization
H. Component/Network Info
I. Information Pane (see next page for details)

Information Pane

Component Nodes | All Publications | Co-Authors | Publications

	Name	# Co-Authors	# Co-Publications	Close	Between
1	Aaldenberg, Jared	5	1	384.2	0
2	Abadi, Rouzbeh	2	1	375.5	0
3	Abdelhamid, A.	4	1	327.4	0
4	Abdoh, D.A.	3	1	227.2	0
5	Abeyaratne, Rohan	4	3	396.4	11.1
6	Adams, David P.	2	1	391.7	0
7	Afshari, Ehsan	2	2	300	0
8	Ageze, Mesfin Belayneh	1	1	255.5	0
9	Agrawal, Shivam	9	9	395.5	1.1
10	Agrawal, Vaibhav	4	1	332.5	0
11	Aguilera, E.	2	1	318.8	0
12	Agwai, Abigail	6	17	412.4	0.7
13	Ahmed, Izhar Z.	2	1	338.4	0
14	Aifantis, Elias	4	1	385.5	0
15	Akbar, Arslan	4	1	227.2	0
16	Akbarzadeh Khorshidi, Majid	2	1	272.4	0

List of scientists/nodes in the component, with centrality values as columns (close = closeness, between = betweenness)

Table of all publications, with authors, title, and year. Toggle to restrict to publications in the connected component.

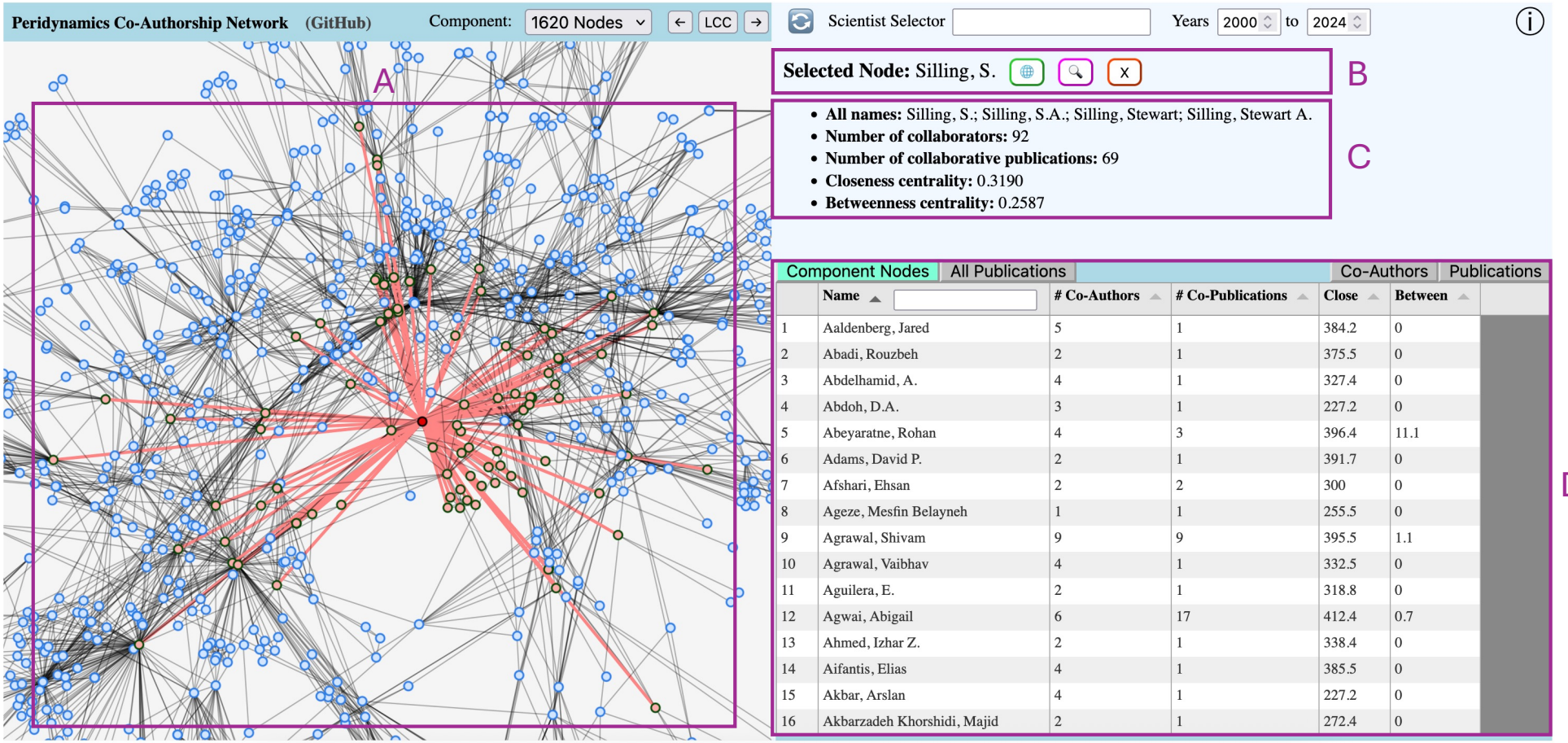
Component Nodes | All Publications | Only Component

	Authors	Title	Year
1	Yang, Shuchao; Zheng, Guojun; Xia, Yang; Shen, Guozhe;	A 3D peridynamic model for fracture analysis of transversely isotropic solids	2024
2	Hou, Yudong; Zhang, Xiaobing;	A bond-augmented stabilized method for numerical oscillations in non-ordinary state-based peridynamics	2024
3	Pucci, Patrizia;	A Brief Excursus on Mixed Operators in Peridynamics	2024
4	Ismail, Atif; Azadbakht, Saman;	A comprehensive review of numerical simulation methods for hydraulic fracturing	2024
5	Liu, Shuo; Che, Lu; Fang, Guodong; Liang, Jun;	A conjugated bond-based peridynamic model for laminated composite materials	2024
6	Guo, Xianyang; Chu, Xihua; Li, Shan;	A Cosserat peridynamic model with Bresler–Pister criterion and numerical simulation of concrete fracture	2024
7	Sun, W.K.; Yin, B.B.; Akbar, Arslan; Kodur, V.K.R.; Liew, K.M.;	A coupled 3D thermo-mechanical peridynamic model for cracking analysis of homogeneous and heterogeneous materials	2024
8	Liu, Panyong; Gu, Xin; Lu, Yang; Xia, Xiaozhou; Madenci, Erdogan; Zhang, Qing;	A coupled hygro-mechanical model for moisture diffusion and curling mechanism in saturated and unsaturated soil using ordinary state-based peridynamics	2024
9	Zhang, Jiaming; Yu, Min; Chu, Xihua; Li, Rongtao;	A coupled hygro-thermo-mechanical Cosserat peridynamic modelling of fire-induced concrete fracture	2024
10	Huang, Xieping; Zhu, Bin;	A coupled peridynamics-smoothed particle hydrodynamics	2024

Filter by author name

Filter by publication title

Selected Node View



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15	Akbar, Arslan	4	1	227.2	0
16	Akbarzadeh Khorshidi, Majid	2	1	272.4	0

A. Selected node in red and neighbors in yellow with red links

B. Selected node. The three buttons are:

(🌐) Scopus author profile (🔍) Center network on node (X) Deselect node

C. Selected node info. **All names** displays all identifiers in the SCOPUS dataset

D. Information pane with “Co-Authors” and “Publications” tabs

Information Pane (Selected Node)

Component Nodes | All Publications | Co-Authors | Publications

- Abeyaratne, R.; Abeyaratne, Rohan
- Adams, David P.
- Alves, Leonardo Frota
- Amann, Christian
- Anicode, S.V.K.; Anicode, Sundaram Vinod K.; Anicode, Sundaram Vinod Kumar; Anicode, V.K.
- Askari, A.; Askari, Abe
- Askari, E.; Askari, Ebrahim
- Azdoud, Y.; Azdoud, Yan
- Barr, Christopher
- Barut, A.; Barut, Atila
- Bobaru, F.; Bobaru, Florin
- Bogert, Philip
- Bolintineanu, Dan S.
- Bond, Stephen D.

List of peridynamics co-authors of selected scientist (names come from the SCOPUS dataset)

Table of all peridynamics publications authored by the selected scientist

Component Nodes | All Publications | Co-Authors | Publications

	Authors	Title	Year
1	Can, Ugur; Silling, Stewart A.; Guven, Ibrahim;	A Peridynamic Investigation of Ceramic Material Response Under High-Speed Solid Impact Loadings	2023
2	Can, Ugur; Silling, Stewart A.; Guven, Ibrahim;	Correction: [A Peridynamic Investigation of Ceramic Material Response Under High-Speed Solid Impact Loadings] (American Institute of Aeronautics and Astronautics Inc, AIAA)	2023
3	Hermann, Alexander; Shojaei, Arman; Seleson, Pablo; Cyron, Christian J.; Silling, Stewart A.;	Dirichlet-type absorbing boundary conditions for peridynamic scalar waves in two-dimensional viscous media	2023
4	Silling, Stewart A.;	Discrete element model for powder grain interactions under high compressive stress	2023
5	Silling, Stewart A.; Adams, David P.; Branch, Brittany A.;	MESOSCALE MODEL FOR SPALL IN ADDITIVELY MANUFACTURED 304L STAINLESS STEEL	2023
6	Mitchell, John A.; Silling, Stewart A.; Chiu, Edwin; Bond, Stephen D.; Ruggles, Timothy;	Modeling Additively Manufactured Metallic Microstructures for Dynamic Response	2023
7	Shojaei, Arman; Hermann, Alexander; Seleson, Pablo; Silling, Stewart A.; Rabczuk, Timon; Cyron, Christian J.;	Peridynamic elastic waves in two-dimensional unbounded domains: Construction of nonlocal Dirichlet-type absorbing boundary conditions	2023
8	Silling, Stewart A.; D'Elia, Marta;	Peridynamic Model for Single-Layer Graphene Obtained from	2023