

# Default View

Peridynamics Co-Authorship Network [\(GitHub\)](#) Component: 1620 Nodes  LCC   Scientist Selector  Years 2000  to 2024

**Selected Component Information**

- Number of authors: 1620
- Number of papers: 1876
- Number of links: 5224

**Entire Network Information**

- Number of authors: 3223
- Number of papers: 2782
- Number of links: 8743

**Component Nodes** | All Publications

	Name ▲ <input type="text"/>	# 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

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
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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)

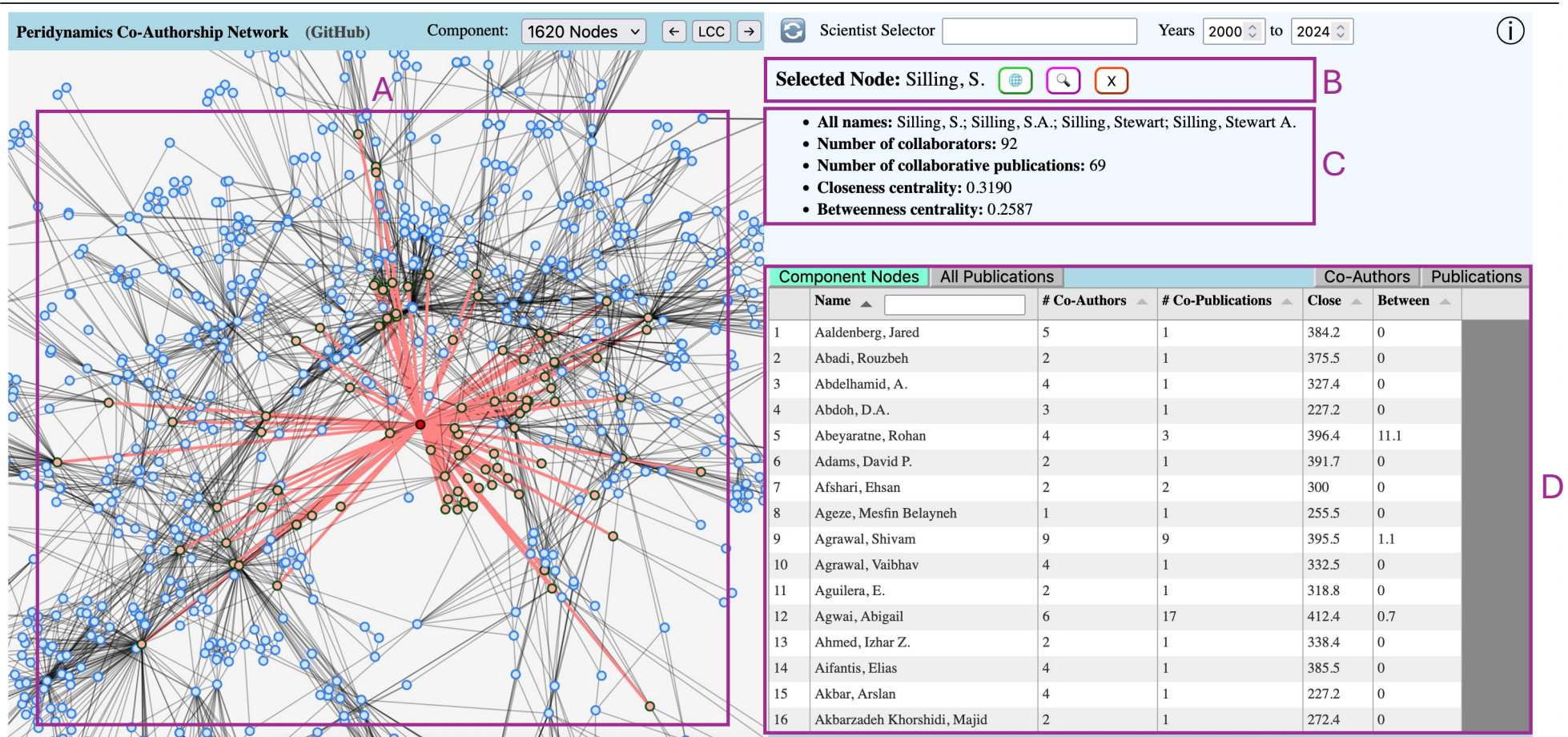
Table of all publications, with authors, title, and year. Toggle to restrict to publications in the connected component.

Component Nodes		All Publications	<input type="checkbox"/> 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.; Liev, 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



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
<ul style="list-style-type: none"> <li>Abeyaratne, R.; Abeyaratne, Rohan</li> <li>Adams, David P.</li> <li>Alves, Leonardo Frota</li> <li>Amann, Christian</li> <li>Anicode, S.V.K.; Anicode, Sundaram Vinod K.; Anicode, Sundaram Vinod Kumar; Anicode, V.K.</li> <li>Askari, A.; Askari, Abe</li> <li>Askari, E.; Askari, Ebrahim</li> <li>Azdoud, Y.; Azdoud, Yan</li> <li>Barr, Christopher</li> <li>Barut, A.; Barut, Atila</li> <li>Bobaru, F.; Bobaru, Florin</li> <li>Bogert, Philip</li> <li>Bolintineanu, Dan S.</li> <li>Bond, Stephen D.</li> </ul>			

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	