

Default View

Peridynamics Co-Authorship Network

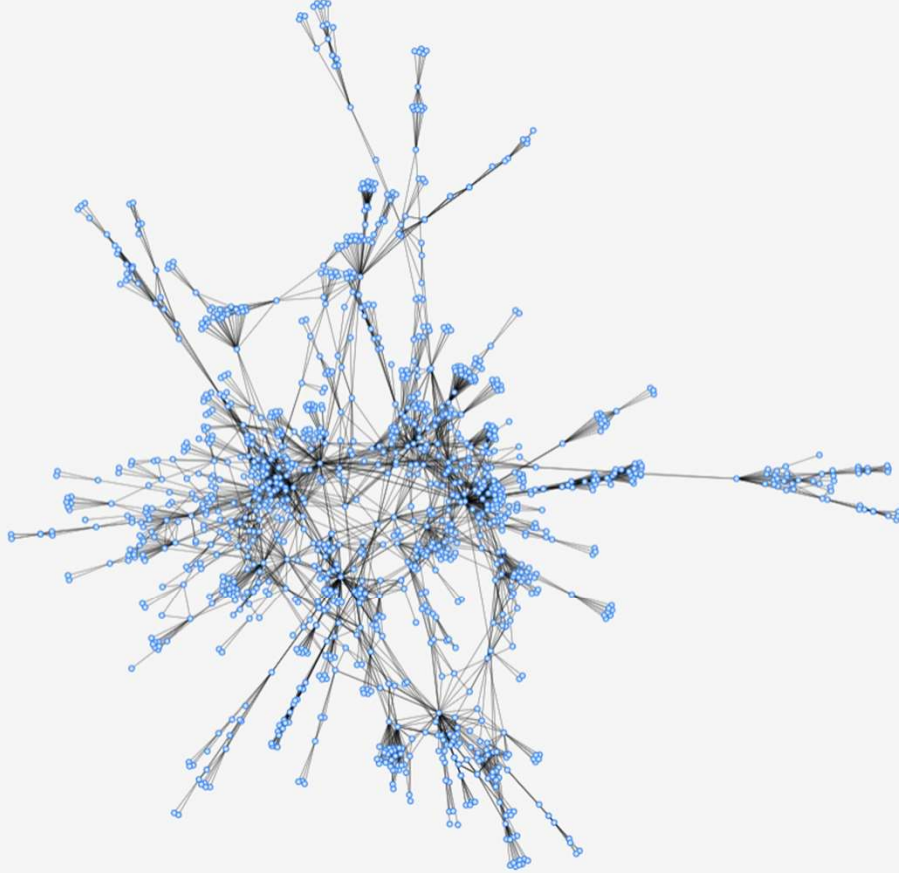
B Component: 1298 Nodes

C Scientist Selector

D Years 2000 to 2023

E

A



Connected Component 1 Information

Entire Network Information

- Number of authors: 1298
- Number of papers: 1551
- Number of links: 4092

- Number of authors: 2616
- Number of papers: 2353
- Number of links: 6861

F

G

Component Nodes		All Publications				
	Name	# Co-Authors	# Co-Publications	Close	Between	
1	Aaldenberg, Jared	5	1	319.3	0	
2	Abadi, Rouzbeh	2	1	305	0	
3	Abdelhamid, A.	4	1	262	0	
4	Abdoh, D.A.	3	1	178.5	0	
5	Abeyaratne, Rohan	4	3	330.2	20.8	
6	Adams, David P.	2	1	323.4	0	
7	Afshari, Ehsan	2	2	248	0	
8	Ageze, Mesfin Belayneh	1	1	207.3	0	
9	Agrawal, Shivam	9	9	310.4	1.8	
10	Agrawal, Vaibhav	4	1	273.1	0	
11	Aguilera, E.	2	1	262	0	
12	Agwai, Abigail	6	17	327.7	0.3	
13	Ahmed, Izhar Z.	2	1	275.3	0	
14	Akbarzadeh Khorshidi, Majid	2	1	216.9	0	
15	Akçay, Fuzuli Ağı	1	1	308.9	0	
16	Aksoylu, Burak	8	15	292.9	10.4	
17	Al Baraghtheh, Tamadur	5	1	281.3	0	
18	Alali, Bacim	4	6	266	2.1	
19	Alaydin, Mert D.	4	3	246.5	0	

A. Network

B. Component Selector

C. Scientist Selector

D. Year Selector

E. Tool Overview

F. Component/Network Info

G. Information Pane (see next page for detail)

Information Pane

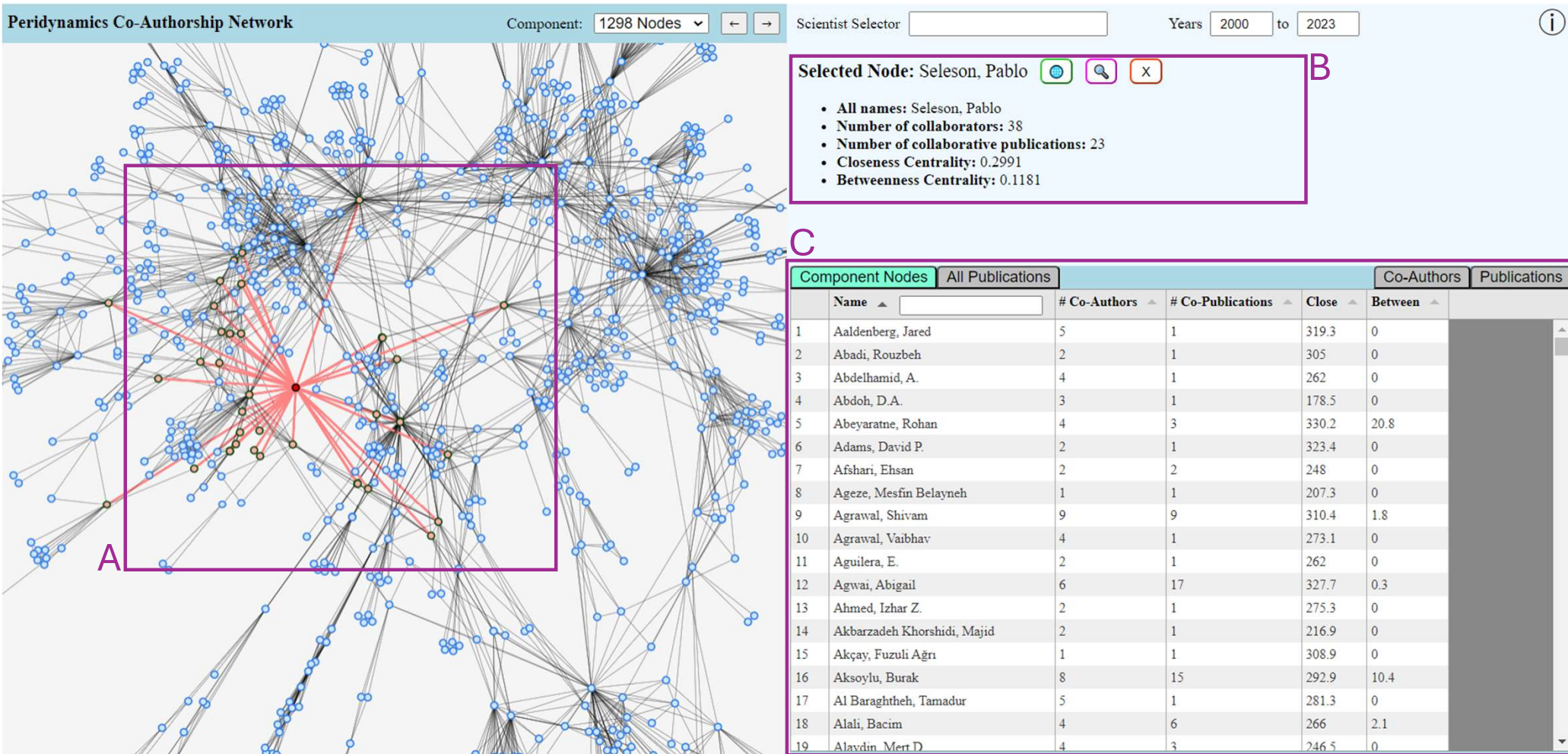
Table of all publications, with authors, title, and year. Toggle to restrict to publications in the connected component.

Component Nodes		All Publications				
	Name ▲	# Co-Authors ▲	# Co-Publications ▲	Close ▲	Between ▲	
1	Aaldenberg, Jared	5	1	319.3	0	
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19	Alavdin Mert D	4	3	246.5	0	

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

Component Nodes		All Publications	Only Component	
	Authors ▲	Title ▲	Year ▲	
1	Yu, Yuechuan; Han, Fei; Li, Zhibin; Sun, Yunhou; Mei, Yong; Zhang, Ao;	Element-based coupling modeling of peridynamics and classical continuum mechanics for dynamic brittle fracture	2023	
2	Dai, Ming-Jyun;	A dual-horizon peridynamic model for Reissner–Mindlin plates with arbitrary horizon sizes and shapes	2023	
3	Xiong, WeiPeng; Wang, Chao; Zhang, Yuan; Wang, ChunHui; Pei, Xu;	Numerical simulation of impact process between spherical ice and a rigid plate based on the ordinary state-based peridynamics	2023	
4	Scabbia, Francesco; Gasparrini, Claudia; Zaccariotto, Mirco; Galvanetto, Ugo; Larios, Adam; Bobaru, Florin;	Moving interfaces in peridynamic diffusion models and the influence of discontinuous initial conditions: Numerical stability and convergence	2023	
5	Zhao, Jiangming; Stewart, Ross J.; Prakash, Naveen; Harris, Jason T.; Aaldenberg, Jared; Bobaru, Florin;	Multiphysics modeling of subcritical crack growth in glass	2023	
6	Wang, Han; Wu, Liwei; Guo, Junbin; Yu, Chuanqiang; Li, Yayun; Wang, Junti; Liu, Zhihao;	Numerical analysis on failure of sheet metals with non-ordinary state-based peridynamics	2023	
7	You, Yachen; Li, Hong; Jia, Siyi;	An optimized unibond dual-parameter peridynamic model for deformation and fracture simulation of quasi-brittle materials	2023	
8	Peng, Xuhao; Chen, Ziguang; Bobaru, Florin;	Accurate predictions of dynamic fracture in perforated plates	2023	
9	Wang, Xiaoming; Ma, Sainan; Dong, Weijia; Zhao, Xiang; An, Boyang; He, Qing; Ding, Haohao; Wang, Ping; Wang, Wenjian;	Peridynamic modeling of rail wear during sliding contact considering thermal effects	2023	

Selected Node View



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

B. Selected node info. The three buttons are:

(🌐) Scopus Author Information (🔍) Center network on node (X) Deselect node

C. Information Pane with “Co-Authors” and “Publications” tabs

Information Pane (Selected Node)

Component Nodes

All Publications

Co-Authors

Publications

- Agrawal, Shivam
- Beneddine, Samir
- Chen, Jiun-Shyan
- Cyron, Christian J.
- D'Elia, Marta; D'Elia, M.; D'Elia, Marta
- Dahal, Biraj
- Du, Qiand; Du, Qiang
- Foster, J.; Foster, J.T.; Foster, John; Foster, John T.
- Galvanetto, U.; Galvanetto, U.G.O.; Galvanetto, Ugo
- Gunzburger, Max
- Ha, Youn D.; Ha, Youn Doh
- Hermann, Alexander
- Katiyar, Amit
- Lehoucq, R.B.; Lehoucq, Richard; Lehoucq, Richard B.
- Leng, Yu
- Li, Xingjie
- Littlewood, David; Littlewood, David J.
- ...

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

Table of all publications authored by the
selected scientist

Component Nodes		All Publications	Co-Authors		Publications
Authors		Title			Year
1	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
2	Dahal, Biraj; Seleson, Pablo; Trageser, Jeremy;	The Evolution of the Peridynamics Co-Authorship Network			2023
3	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
4	Ren, Bo; Wu, C.T.; Seleson, Pablo; Zeng, Danielle; Nishi, Masato; Pasetto, Marco;	An FEM-Based Peridynamic Model for Failure Analysis of Unidirectional Fiber-Reinforced Laminates			2022
5	D'Elia, Marta; Li, Xingjie; Seleson, Pablo; Tian, Xiaochuan; Yu, Yue;	A Review of Local-to-Nonlocal Coupling Methods in Nonlocal Diffusion and Nonlocal Mechanics			2022
6	Shojaei, Arman; Hermann, Alexander; Cyron, Christian J.; Seleson, Pablo; Silling, Stewart A.;	A hybrid meshfree discretization to improve the numerical performance of peridynamic models			2022
7	Ongaro, Greta; Seleson, Pablo; Galvanetto, Ugo; Ni, Tao; Zaccariotto, Mirco;	Overall equilibrium in the coupling of peridynamics and classical continuum mechanics			2021
8	Trageser, Jeremy; Seleson, Pablo;	Bond-Based Peridynamics: a Tale of Two Poisson's Ratios			2020
9	Shojaei, Arman; Hermann, Alexander; Seleson, Pablo; Cyron, Christian J.;	Dirichlet absorbing boundary conditions for classical and peridynamic diffusion-type models			2020
10	Katiyar, Amit; Agrawal, Shivam;	A general peridynamics model for multiphase transport of non-			2020