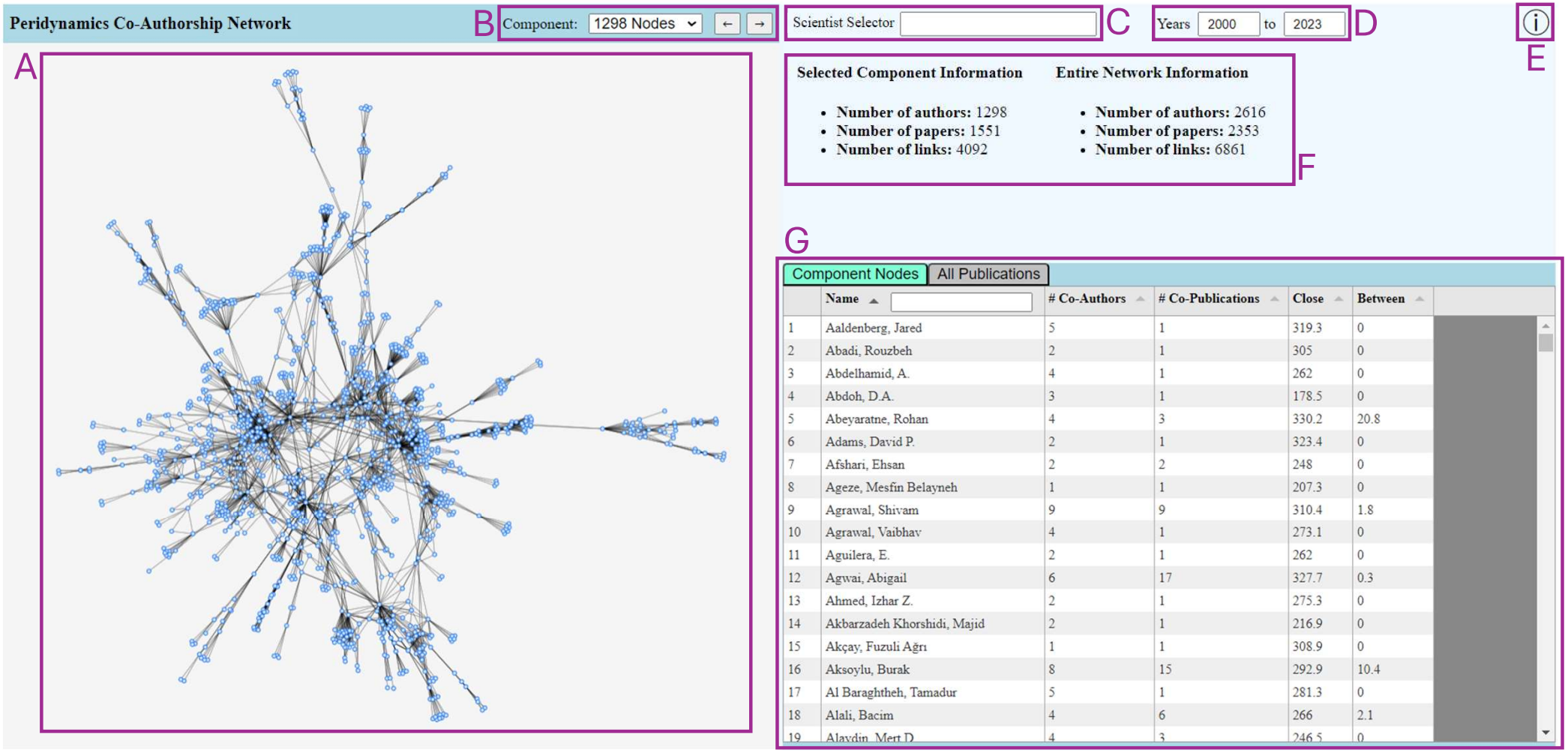
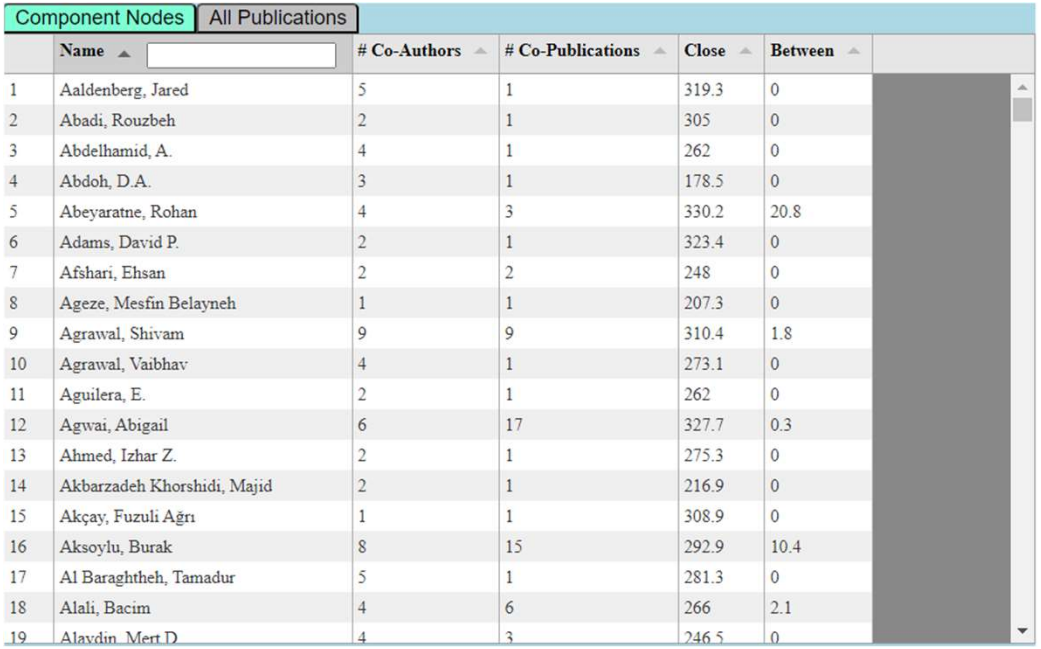
Default View



A. Network
B. Component Selector
C. Scientist Selector
D. Year Range Selector
E. Tool Overview
F. Component/Network Info
G. Information Pane (see next page for detail)

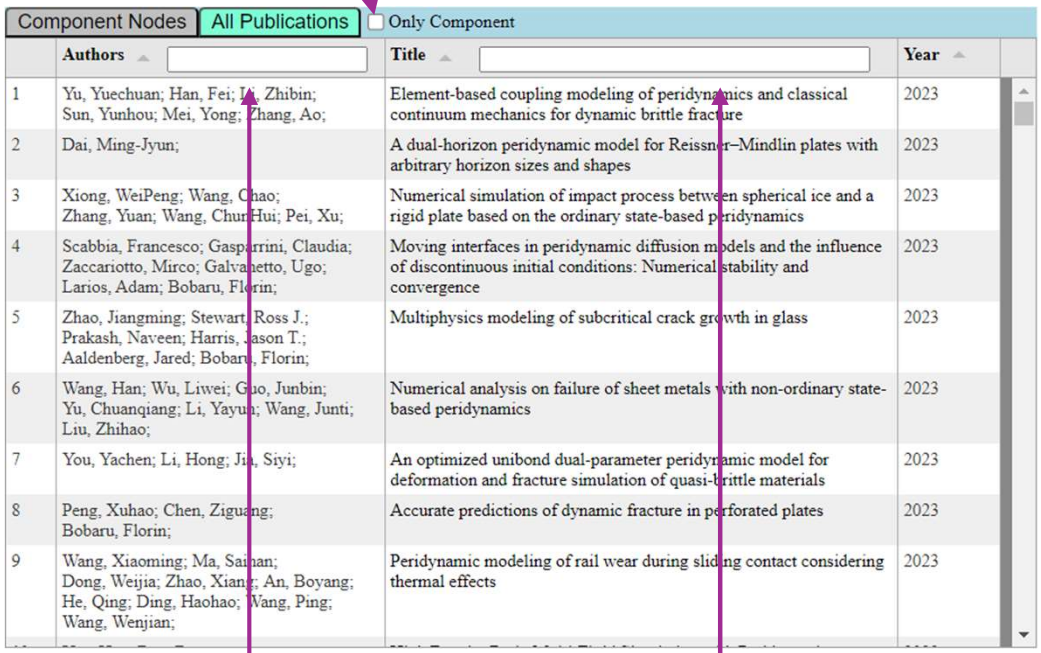
Information Pane



	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 Ağrı	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

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.

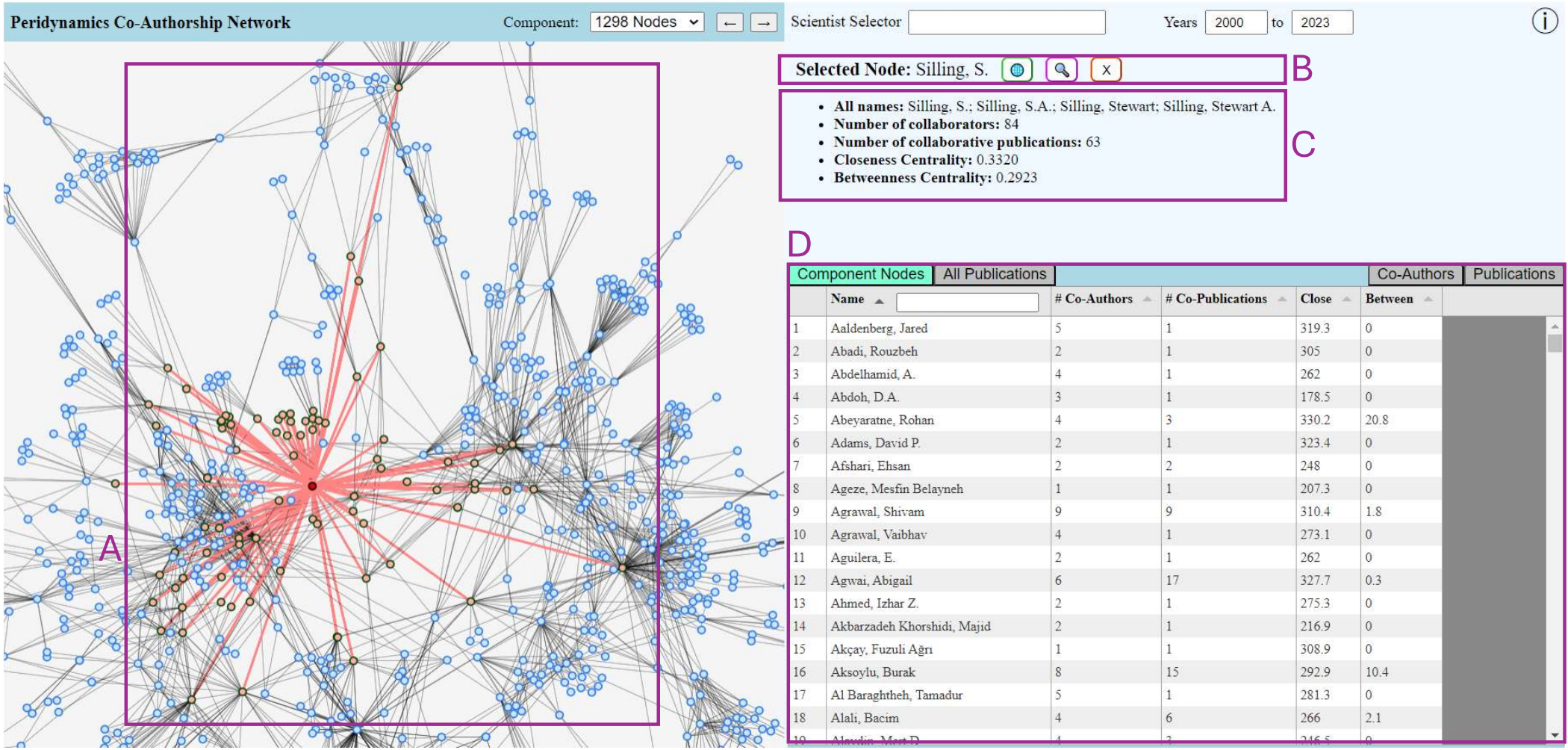


	Authors	Title	Year
1	Yu, Yuechuan; Han, Fei; Li, Zhibin; Sun, Yunhou; Mei, Yong; Zhang, Ao;	Element-based coupling modeling of peridynamics and classical continuum mechanics for dynamic brittle fracture	2023
2	Dai, Ming-Jyun;	A dual-horizon peridynamic model for Reissner–Mindlin plates with arbitrary 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, Saihan; 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

Filter by author name

Filter by publication title

Selected Node View



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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, 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.
- Branch, Brittany A.
- Breitenfeld, M.S.
- Breitenfeld, Scot M.
- Brunk, Gerd

List of co-authors of selected scientist (names come from the 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	Silling, Stewart A.;	Discrete element model for powder grain interactions under high compressive stress	2023
3	Silling, Stewart A.; Adams, David P.; Branch, Brittany A.;	MESOSCALE MODEL FOR SPALL IN ADDITIVELY MANUFACTURED 304L STAINLESS STEEL	2023
4	Mitchell, John A.; Silling, Stewart A.; Chiu, Edwin; Bond, Stephen D.; Ruggles, Timothy;	Modeling Additively Manufactured Metallic Microstructures for Dynamic Response	2023
5	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
6	Silling, Stewart A.; D'Elia, Marta; Yu, Yue; You, Huaiqian; Fermen-Coker, Müge;	Peridynamic Model for Single-Layer Graphene Obtained from Coarse-Grained Bond Forces	2023
7	You, H.Q.; Xu, X.; Yu, Y.; Silling, S.; D'Elia, M.; Foster, J.;	Towards a unified nonlocal, peridynamics framework for the coarse-graining of molecular dynamics data with fractures	2023
8	You, Huaiqian; Yu, Yue; Silling, Stewart; D'Elia, Marta;	A data-driven peridynamic continuum model for upscaling molecular dynamics	2022
9	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
10	Rezaul Karim, Mohammad; Kadau, Kai;	Crack nucleation at forging flaws studied by non-local peridynamics	2022