

Supplementary Table 1. Top 10 authors with published research articles related to the HIV vaccine from 1989 to 2023

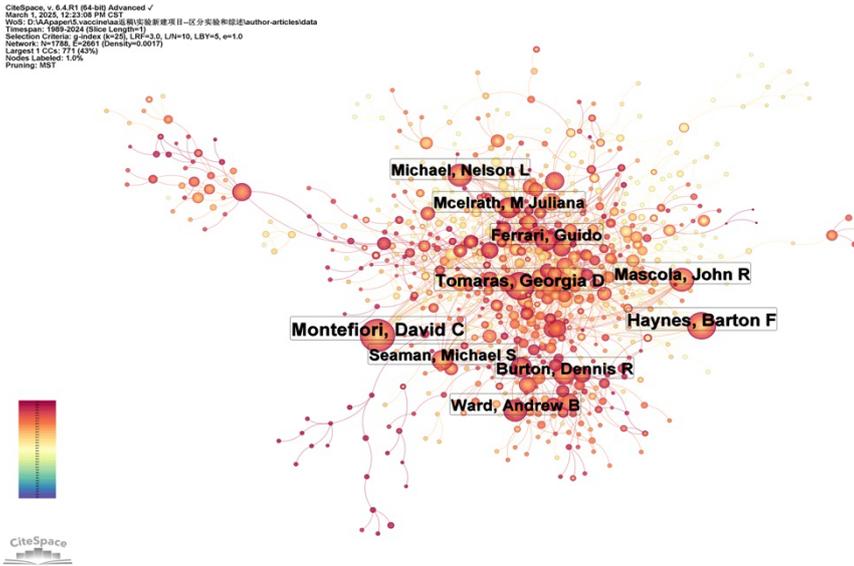
Rank	Author	Count	Betweenness centrality
1	Montefiori, David C	346	0.03
2	Haynes, Barton F	251	0.01
3	Tomaras, Georgia D	217	0.02
4	Mascola, John R	186	0.02
5	Burton, Dennis R	164	0.02
6	Ward, Andrew B	149	0.00
7	Ferrari, Guido	149	0.02
8	Michael, Nelson L	144	0.01
9	Seaman, Michael S	136	0.02
10	Mcelrath, M Juliana	131	0.02

Supplementary Table 2. Top 10 authors with published review articles related to the HIV vaccine from 1989 to 2023

Rank	Author	Count	Betweenness centrality
1	Haynes, Barton F	15	0.00
2	Burton, Dennis R	9	0.00
3	Kent, Stephen J	7	0.00
4	Kim, Jerome H	6	0.00
5	Berzofsky, JA	6	0.00
6	Nabel, Gary J	5	0.00
7	Ackerman, Margaret E	5	0.00
8	Buonaguro, Luigi	5	0.00
9	Crispin, Max	5	0.00
10	Excler, Jean-Louis	5	0.00

Supplementary Fig. 1. A: CiteSpace network visualization of a coauthor regarding the HIV vaccine. **(A).** network of the coauthor published with research articles. **B:** network of the coauthor published with review articles. The radius of nodes indicates the number of articles each author has contributed. The thicker the line, the closer the authors have cooperated. As the years pass, the nodes' color changes from purple to red.

A



B

