

ORIGINAL RESEARCH ARTICLE

Research on hypoxia and the extracellular matrix in cancer:
A visualization analysis

Supplementary File

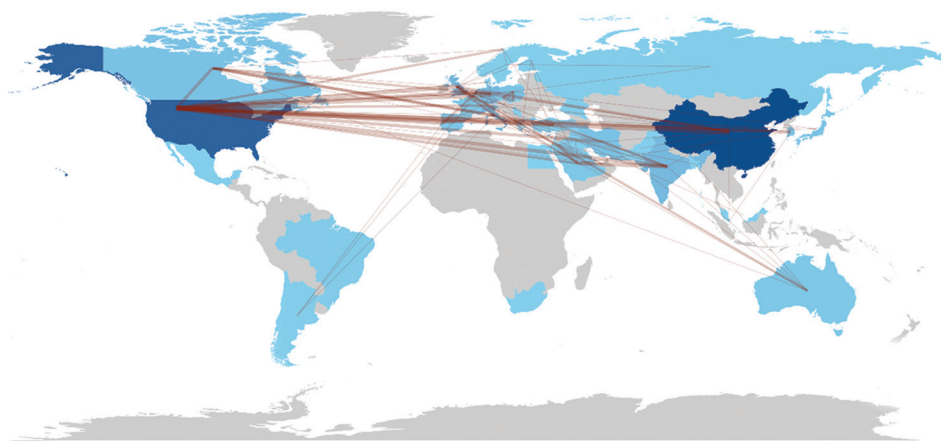


Figure S1. Geographic visualization of national collaboration networks: Color intensity represents regional collaboration levels (darker colors indicate higher intensity), and line thickness reflects the strength of interregional collaboration (thicker lines indicate more collaboration between countries)

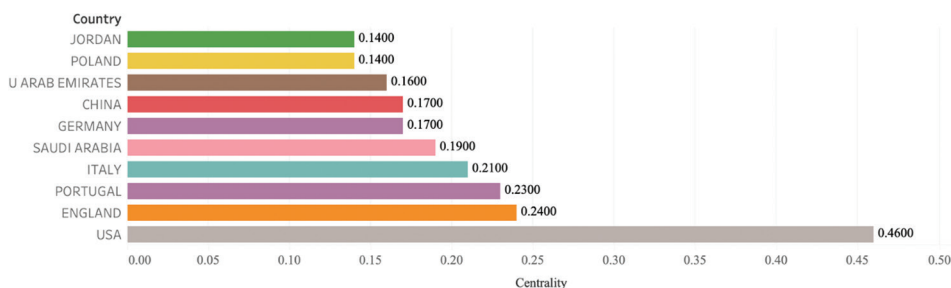


Figure S2. Top 10 countries with the highest betweenness centrality

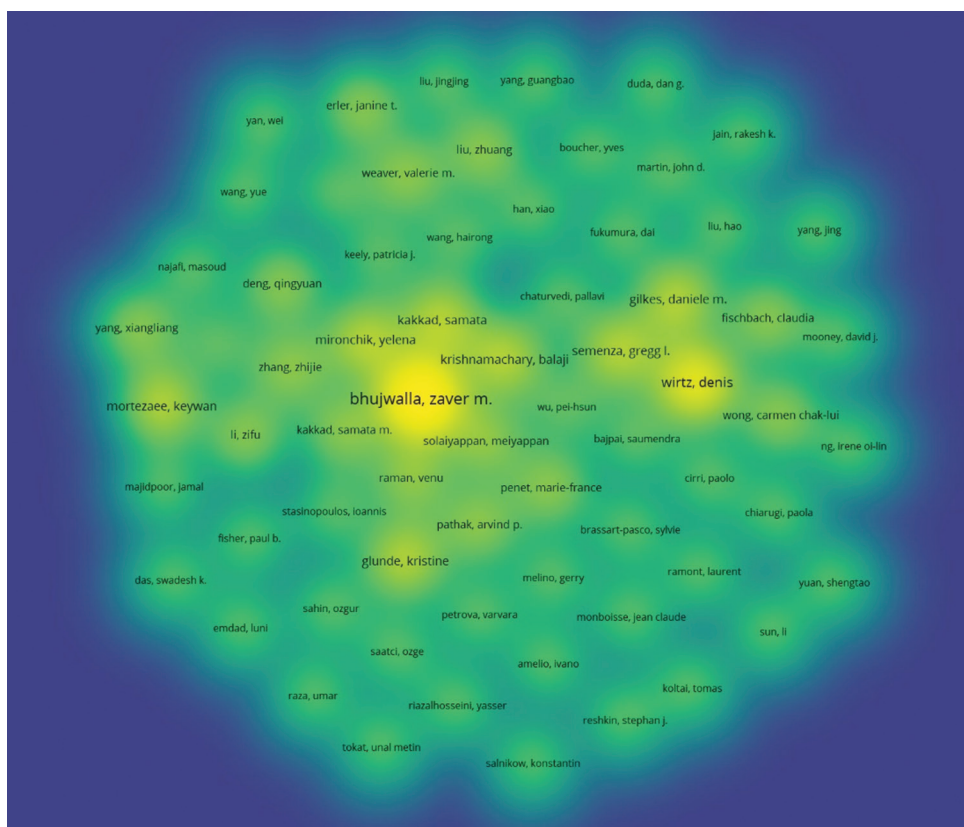


Figure S3. Density plot visualization of authors with high publication volume; more intense yellow color indicates a stronger collaboration

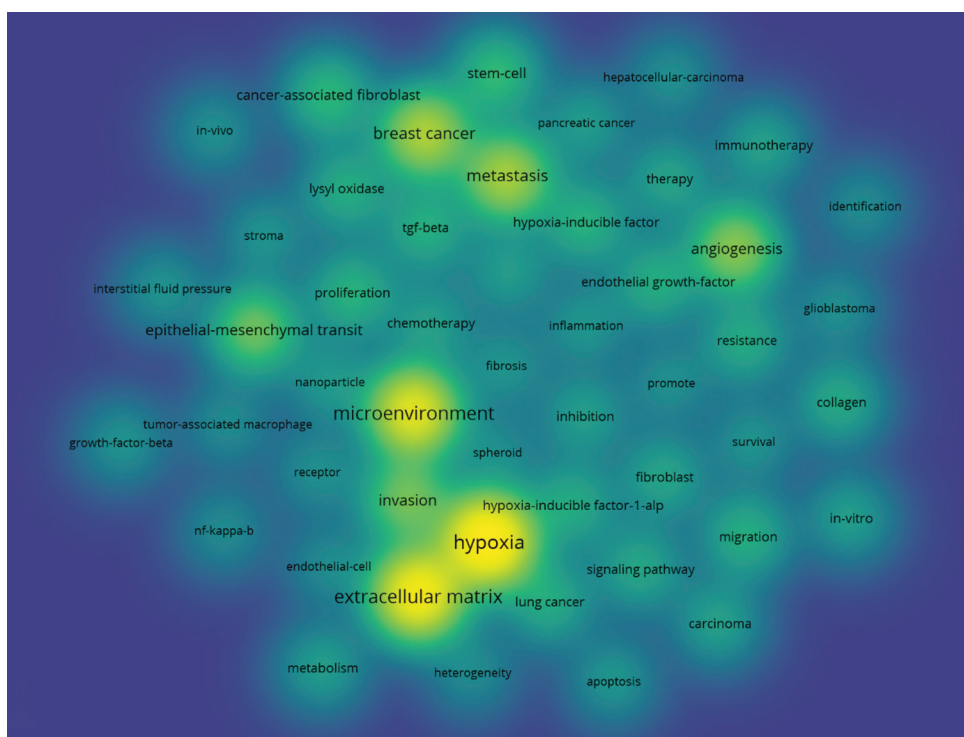


Figure S4. Density plot visualization of keywords. In the visualization, font and node sizes represent the frequency of keyword occurrences, with optimal settings applied during plotting. Yellow highlights indicate keywords with high co-occurrence rates, reflecting significant attention.

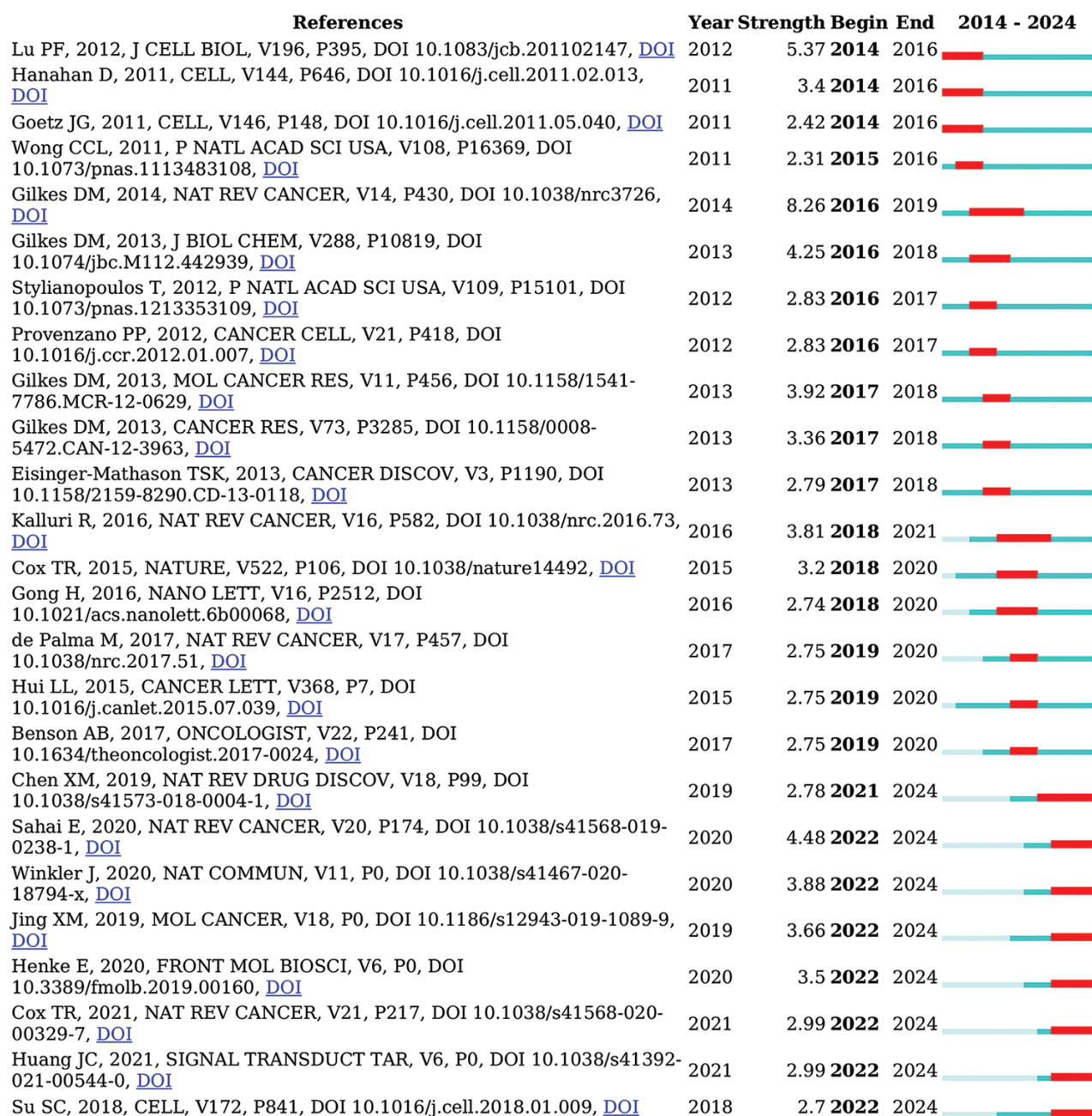


Figure S5. Analysis of most commonly cited references. Top 25 references with the strongest bursts. The red line segment represents the time (years) when the references emerged. The higher the strength value, the larger its burst strength.