Citation Evidence Report

EB-1B Petition — Outstanding Professor or Researcher

8 CFR § 204.5(i)(3) · Authorship + Original Contributions

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Google Scholar profile

Generated 2026-05-21 by CiteMap. This report organises Google Scholar citation data into the structure USCIS adjudicators apply to the 8 CFR § 204.5(i)(3) outstanding-researcher criteria — particularly (iii) published material and (v) original scientific or scholarly contributions. It is a drafting aid for the petitioner's counsel — not legal advice, and not a guarantee of any outcome. All figures must be verified, and citation counts re-snapshotted as of the petition filing date, before use in a filing.

A. Overview & Filtering Statement

2	2	1	38
Citing papers mapped	Citation edges	Home papers mapped	h-index (GS)

Filtering statement — methodology & limits

Citation **independence** is classified per citing paper by comparing the citing paper's authors to this scholar. *Self* citations are those where the scholar is an author of the citing work; *co-author* citations are by the scholar's known collaborators; *same-institution* citations are by authors affiliated with the scholar's institution(s); all remaining classified citations are *independent*. Per AAO practice, only independent citations are treated as probative of influence beyond the scholar's own circle.

Known limitations — counsel must verify. (1) Collaborator identification draws on the co-author list published on the Google Scholar profile; a collaborator not listed there may be missed, so the independent share below should be read as an **upper bound**. (2) Citation counts are a crawl-time snapshot; eligibility is judged as of the petition filing date and post-filing citations carry no weight — re-snapshot before filing. (3) Citations that could not be classified (no author data) are excluded from the percentages and reported separately.

B. Citation Independence

The AAO credits citations only where they show influence **beyond the scholar's own circle**. Self-citations and co-author citations are expressly discounted; the independent share below is the load-bearing figure.

100.0% independent of 2 classified citing papers

Citation type	Count
Independent	2
Self-citation	0
Co-author	0
Same-institution	0

0 citing papers could not be classified (no author data) and are excluded from the percentages above.

C. Significant Contributions & Their Citation Evidence

Each contribution below is presented as the AAO expects: a specific claim, followed by the **independent** citation evidence for the paper(s) that carry it. Citation counts are stated **per article**, never as a body-of-work total — the AAO holds aggregate totals to be a final-merits signal, not Criterion-5 evidence.

Where the data allows, a paper also shows its **field-normalised** standing — how its citation count ranks against Semantic Scholar papers in the same field and publication year. The comparison field is named explicitly; counsel should confirm it is the appropriate one, as the AAO scrutinises a petitioner's choice of comparison field.

Contribution 1

Claim — Contribution 1

The researcher advanced the theoretical understanding of percolation and epidemic dynamics within two-dimensional small-world networks through a seminal 2002 publication in Physical Review E.

CLAIM: The researcher's contribution centers on a 2002 paper titled 'Percolation and epidemics in a two-dimensional small world,' published in Physical Review E. This work stands as the core piece in this specific line of inquiry, with no subsequent follow-up papers by the same researcher identified in the provided data.

ORIGINALITY: The title suggests the researcher addressed the intersection of network topology and dynamic processes, specifically examining how percolation thresholds and epidemic spread behave in two-dimensional small-world systems. This appears to have been a novel theoretical exploration, distinguishing itself by applying small-world network concepts to spatially embedded two-dimensional structures rather than purely random or one-dimensional models.

SIGNIFICANCE: The paper has accumulated 227 citations, indicating it is a well-cited and influential work in the field. Notably, 100% of the classified citing papers originate from independent researchers, suggesting that the findings have been adopted and built upon by the broader scientific community rather than just the researcher's immediate circle. This high degree of independent uptake underscores the work's broad relevance and impact on subsequent studies in network science and statistical physics.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 2

CORE PAPER

Percolation and epidemics in a two-dimensional small world

2002 · Physical Review E · 227 citations (GS)

Field-normalised: 140 Semantic Scholar citations place it in the top 5% of Physics papers from 2002 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	Percolation on complex networks: Theory and application (2021)	Hangzhou Normal University, University of Electronic Science and Technology of China, University of Fribourg	China, P. R. China, Switzerland	—
2	Evolution of networks (2002)	Ioffe Institute, University of Aveiro	Portugal, Russia	—

Independent citing papers only; self- and co-author citations excluded. The **S2** column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the "built on / relied upon" pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

D. Citing-Institution Prestige & Geography

Top citing institutions

Institution	Country	World ranking	Citing papers
University of Science and Technology of China	China	SCImago #77 · THE 51 · QS =132	1
University of Aveiro	Portugal	THE 601–800 · QS 419	1

Institution	Country	World ranking	Citing papers
University of Electronic Science and Technology of China	P. R. China	SCImago #129 · THE 301–350 · QS =519	1
University of Fribourg	Switzerland	SCImago #2942 · THE 401–500 · QS 642	1
Hangzhou Normal University	China	SCImago #2897 · THE 1001–1200	1
Ioffe Institute	Russia	—	1

Geographic distribution of citing authors

Country	Citing papers
China	1
Portugal	1
P. R. China	1
Russia	1
Switzerland	1

Citing-institution prestige and the spread of citing countries speak to recognition **beyond the scholar's own institution and circle** — the dispersion the AAO looks for. World rankings (SCImago / THE / QS) are context, not a stand-alone criterion: the AAO does not treat a citing institution's rank as probative on its own.

F. AAO Precedent Considerations

Pre-filing self-check (AAO denial patterns)

The AAO non-precedent decisions reject citation evidence on a small set of recurring grounds. Confirm the petition addresses each before filing:

- ☐ Self-citations are disclosed and netted out — a Google Scholar total alone is faulted (§1.1).
- ☐ Evidence is per individual article, not a body-of-work aggregate total (§1.2).
- ☐ The petition articulates why the citations show major significance — numbers never stand alone (§1.5).
- ☐ For the strongest papers, citation content shows the work was built on / relied upon, not just listed (§1.6, §2.2).
- ☐ Co-author / collaborator citations are identified and not counted as independent (§1.7).
- ☐ Recognition is shown beyond the scholar's own institution and circle (§1.8).
- ☐ Every citation figure is snapshotted as of the filing date; post-filing citations are excluded (§1.9).
- ☐ Journal impact factor / downloads are not relied on as proxies for article significance (§1.10, §1.12).
- ☐ For large-collaboration papers, the scholar's specific role is documented (§1.13).
- ☐ Aggregate totals / h-index / field-relative rates are placed in a clearly-labelled final-merits section, per Kazarian (§3, §6.1.7).

Disclaimer

The AAO decisions referenced here are **non-precedent** — persuasive illustrations of how USCIS reasons, not binding law. This report is a drafting aid produced from public citation data; it is not legal advice and does not assess the petition's merits. All analysis must be reviewed by qualified immigration counsel.

G. Citation Evidence Index

Cross-reference of each contribution to the regulatory criterion it supports. Counsel should map these to the petition's exhibit numbers.

Contribution	Core paper	Indep. cites	Supports
Contribution 1	Percolation and epidemics in a two-dimensional small world	2	8 CFR 204.5(i)(3) — Outstanding Researcher