

# Citation Evidence Report

EB-1A Petition — Original Contributions of Major Significance

8 CFR § 204.5(h)(3)(v) · Criterion 5

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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 Criterion 5 (original contributions of major significance). 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

19	19	2	154
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 19 classified citing papers

Citation type	Count
Independent	19
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 established a foundational framework linking social integration to health outcomes, revitalizing Durkheimian theory for contemporary social science and medicine.*

CLAIM: The researcher’s seminal contribution is defined by the 2000 paper 'From social integration to health: Durkheim in the new millennium,' published in Social Science & Medicine. This work serves as the cornerstone of the described research line, with no subsequent follow-up papers by the same author listed in the provided data.

ORIGINALITY: The title suggests a significant theoretical update, applying classical Durkheimian concepts to modern health contexts. By framing the work as 'in the new millennium,' the researcher appears to have addressed a gap in contemporary literature, bridging historical sociological theory with current public health discourse.

SIGNIFICANCE: The paper has accumulated 7,333 citations, indicating substantial impact within the field. Notably, 100% of the classified citing papers originate from independent researchers, demonstrating that the work has been widely adopted and validated by the broader scientific community beyond the researcher’s immediate network.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 9 · 1 flagged influential by Semantic Scholar

### CORE PAPER

#### [From social integration to health: Durkheim in the new millennium](#)

2000 · Social Science & Medicine · 7,333 citations (GS)

Field-normalised: 4,528 Semantic Scholar citations place it in the top 1% of Sociology papers from 2000 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">Personality Development: Stability and Change</a> (2005)	Colgate University, King's College London, University of Illinois Urbana-Champaign	United Kingdom, United States	Background
2	<a href="#">Advancing social connection as a public health priority in the United States</a> . (2017)	Brigham Young University, University of Arizona, University of California, Los Angeles	United States	—
3	<a href="#">Social participation and risk of developing dementia</a> (2023)	Kaiser Permanente Washington Health Research Institute, Osaka University, University College London	Germany, Japan, United Kingdom	—
4	<a href="#">The impact of social activities, social networks, social support and social relationships on the cognitive functioning of healthy older adults: a systematic review</a> (2017)	National College of Ireland, Trinity College Dublin	Ireland	Influential
5	<a href="#">Mechanisms linking social ties and support to physical and mental health</a> (2011)	Indiana University	United States	—
6	<a href="#">Family Relationships and Well-Being</a> (2017)	Michigan State University, Purdue University, University of Texas at Austin	United States	—
7	<a href="#">The interpersonal theory of suicide</a> (2010)	—	—	—
8	<a href="#">The Developing Mind: How Relationships and the Brain Interact to Shape Who We Are</a> (1999)	University of California, Los Angeles	United States	—

No.	Citing paper	Citing institution(s)	Country	S2
9	<a href="#">Paradigm shift to the integrative Big Five trait taxonomy: History, measurement, and conceptual issues</a> (2008)	Colby College, Nevada State University, University of California, Berkeley	United States	—

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 is Influential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

## Contribution 2

### Claim – Contribution 2

*The researcher established a distinct phenotypic framework for defining frailty in older adults, providing a standardized metric that has become a foundational reference in gerontological research.*

The researcher's primary contribution is the conceptualization of frailty as a specific biological phenotype in older adults, as detailed in the seminal 2001 paper published in *The Journals of Gerontology, Series A*. This work stands as a singular, high-impact contribution without direct follow-up publications by the same author in the provided dataset.

This line of work appears to address the need for a standardized, operational definition of frailty, moving beyond vague clinical descriptions to a measurable phenotype. By proposing a specific framework, the researcher provided a novel methodological approach that distinguished frailty from general aging or disability, filling a critical gap in geriatric assessment.

The significance of this contribution is evidenced by its extensive uptake, with over 31,000 citations indicating widespread adoption across the field. Furthermore, analysis of citing literature reveals that 100% of classified citations originate from independent researchers, underscoring the work's broad influence and validation by the wider scientific community rather than self-citation or institutional bias.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 10

### CORE PAPER

#### [Frailty in older adults: evidence for a phenotype](#)

2001 · *The Journals of Gerontology, Series A, Biological Sciences and Medical Sciences* · 31,460 citations (GS)

Field-normalised: 21,783 Semantic Scholar citations place it in the top 1% of Medicine papers from 2001 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">World guidelines for falls prevention and management for older adults: a global initiative</a> (2022)	Albert Einstein College of Medicine, Amsterdam UMC, Boston University	Argentina, Australia, Belgium	—
2	<a href="#">2022 ESC Guidelines on cardiovascular assessment and management of patients undergoing non-cardiac surgery: Developed by the task force for cardiovascular assessment and management of patients undergoing non-cardiac surgery of the European Society of Cardiology (ESC). Endorsed by the European Society of Anaesthesiology and Intensive Care (ESAIC).</a> (2022)	Akershus University Hospital and University of Oslo, Austria, Cairo University	Austria, Belgium, Denmark	—

No.	Citing paper	Citing institution(s)	Country	S2
3	<a href="#">2024 ESC Guidelines for the Management of Elevated Blood Pressure and Hypertension (2024)</a>	Belgian Cardiology Federation, Canada, Charité – Universitätsmedizin Berlin	Belgium, Canada, France	—
4	<a href="#">The global prevalence of myocardial infarction: a systematic review and meta-analysis. (2023)</a>	Gerash University of Medical Sciences, Hamadan University of Medical Sciences, Kermanshah University of Medical Sciences	Iran, Malaysia	Background
5	<a href="#">2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines (2022)</a>	American College of Cardiology, American College of Cardiology/American Heart Association, American Heart Association	United States	—
6	<a href="#">Frailty in Older Adults (2024)</a>	Dalhousie University, Hebrew SeniorLife	Canada, United States	—
7	<a href="#">Hand grip strength as a proposed new vital sign of health: a narrative review of evidences (2024)</a>	C-DOC Fortis Hospital, Indraprastha Apollo Hospitals, IRCCS Ospedale Galeazzi - Sant'Ambrogio	India, Italy	—
8	<a href="#">The path to healthy ageing in China: a Peking University–Lancet Commission (2022)</a>	China Center for Health Development Studies, Peking University, Peking University, The World Bank	China, United States	—
9	<a href="#">Sarcopenia: revised European consensus on definition and diagnosis (2019)</a>	Centre Hospitalier Universitaire de Clermont-Ferrand, Centre Hospitalier Universitaire de Nice, Université Côte d'Azur, First Faculty of Medicine, Charles University and General Faculty Hospital	Belgium, Czech Republic, France	Background
10	<a href="#">Frailty: implications for clinical practice and public health (2019)</a>	Columbia University Medical Center, Fondazione Policlinico Universitario A Gemelli IRCCS and Università Cattolica del Sacro Cuore, Jewish General Hospital	Canada, Italy, Netherlands	—

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 California, Los Angeles	United States	SCImago #70 · THE =18 · QS 46	4

Institution	Country	World ranking	Citing papers
McGill University	Canada	SCImago #168 · THE =41 · QS 27	2
Oslo University Hospital	Norway	SCImago #781	2
Hebrew SeniorLife	United States	SCImago #3166	2
University Hospital Basel	Switzerland	—	2
University of Oxford	United Kingdom	SCImago #26 · THE 1 · QS 4	2
KU Leuven	Belgium	SCImago #180 · THE 46 · QS 60	2
University College London	United Kingdom	SCImago #30	2
Norway	Norway	—	2
Poland	Poland	—	2
Ghent University Hospital	Belgium	SCImago #1824	2
King's College London	United Kingdom	THE 38 · QS 31	2
Trinity College Dublin	Ireland	SCImago #926 · THE 173	2
University of Michigan	United States	SCImago #43 · THE 23 · QS 45	2
Patient Representative	United Kingdom	—	2




### Geographic distribution of citing authors

Country	Citing papers
United States	13
United Kingdom	6
Italy	5
Germany	5
Belgium	4
Canada	4
Netherlands	4
Switzerland	3
France	3
Ireland	3
Denmark	2
China	2

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.

## E. Citation Growth Over Time

Distinct citing papers by publication year. Sustained or rising citation activity supports continuing relevance; note that only citations **as of the filing date** are weighed by USCIS.

2017		3
2019		2
2022		4

## F. AAO Precedent Considerations

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### 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

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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	From social integration to health: Durkheim in the new millennium	9	8 CFR 204.5(h)(3)(v) – Criterion 5
Contribution 2	Frailty in older adults: evidence for a phenotype	10	8 CFR 204.5(h)(3)(v) – Criterion 5