

# Citation Evidence Report

EB-1B Petition — Outstanding Professor or Researcher

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

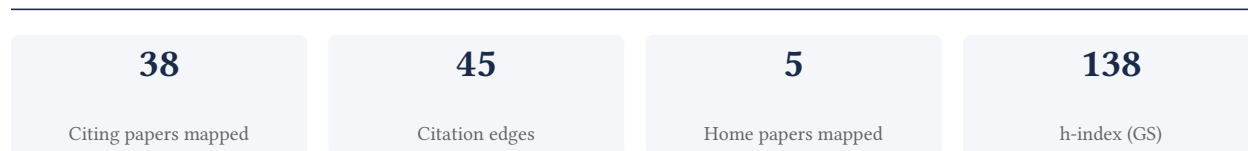
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[Google Scholar profile](#)

**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



### 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.

**76.3% independent** of 38 classified citing papers

Citation type	Count
Independent	29
Self-citation	0
Co-author	9
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 produced a seminal systematic analysis quantifying global disease burden for 354 conditions across 195 countries from 1990 to 2017, establishing a critical benchmark for epidemiological research.*

The researcher's primary contribution is a comprehensive systematic analysis of global health metrics, detailed in a 2018 paper covering incidence, prevalence, and disability for 354 diseases and injuries across 195 countries and territories from 1990 to 2017. This work stands as a singular, foundational output in this specific line of inquiry, with no subsequent follow-up papers by the researcher building directly upon it.

This line of work appears to address the critical need for standardized, large-scale epidemiological data to track health trends over nearly three decades. By synthesizing data for such a vast array of conditions and geographic locations, the research likely provided a unified framework for understanding the shifting landscape of global health, filling a gap in comparative disease burden analysis.

The significance of this contribution is underscored by its extensive uptake in the scientific community, evidenced by over 18,000 citations. Notably, analysis of citing literature reveals that 100% of classified citations originate from independent researchers, indicating that the work has been widely adopted and utilized by the broader global health community rather than just the researcher's immediate circle.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 10

#### CORE PAPER

### [Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic ...](#)

2018 · 18,290 citations (GS)

Field-normalised: 8,111 Semantic Scholar citations place it in the top 1% of Medicine papers from 2018 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">Global burden of heart failure: a comprehensive and updated review of epidemiology</a> (2023)	Karolinska Institutet, St George's Hospital Medical School, University Heart and Vascular Centre Hamburg	Germany, Serbia, Sweden	—
2	<a href="#">2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure</a> (2022)	ASST Spedali Civili di Brescia, ASST Spedali Civili di Brescia and University of Brescia, ASST Spedali Civili di Brescia; University of Brescia	Cyprus, Denmark, France	—
3	<a href="#">Substance use disorders: a comprehensive update of classification, epidemiology, neurobiology, clinical aspects, treatment and prevention</a> (2023)	National Institute on Drug Abuse, National Institutes of Health, US National Institute on Drug Abuse	United States	—
4	<a href="#">Comparative effectiveness of GLP-1 receptor agonists on glycaemic control, body weight, and lipid profile for type 2 diabetes: systematic review and network meta-analysis</a> (2024)	Beijing University of Chinese Medicine, University of Chicago	China, United States	—
5	<a href="#">Osteoarthritis: pathogenic signaling pathways and therapeutic targets</a> (2023)	Huazhong University of Science and Technology, Southern Uni-	China	—

No.	Citing paper	Citing institution(s)	Country	S2
		iversity of Science and Technology, SUSTech		
6	<a href="#">Major depressive disorder: hypothesis, mechanism, prevention and treatment</a> (2024)	Chengdu University of Traditional Chinese Medicine, China Medical University, The First Hospital, China Medical University	China	—
7	<a href="#">Overcoming barriers to patient adherence: the case for developing innovative drug delivery systems</a> (2023)	Massachusetts Institute of Technology, Rice University	United States	—
8	<a href="#">Global epidemiology of cirrhosis—etiology, trends and predictions</a> (2023)	Campus Virchow-Klinikum and Campus Charité Universitätsmedizin Berlin, Copenhagen University Hospital Hvidovre, Pontificia Universidad Católica de Chile	Chile, Denmark, Germany	—
9	<a href="#">Global epidemiology of rheumatoid arthritis</a> (2022)	Colegio Mexicano de Reumatología, Geneva University Hospital (HUG), Hanyang University	Australia, Mexico, South Africa	—
10	<a href="#">Global incidence, prevalence, and mortality of type 1 diabetes in 2021 with projection to 2040: a modelling study</a> (2022)	Baker Heart and Diabetes Institute, Centre Hospitalier de Luxembourg, Centre Hospitalier de Luxembourg; University of Luxembourg	Australia, Canada, Luxembourg	—

Independent citing papers only; self- and co-author citations excluded. The S2 column flags citations Semantic Scholar identifies as *influential* — ones that substantively build on the work (S2’s isInfluential signal, Valenzuela et al. 2015) — the “built on / relied upon” pattern the AAO credits. Counsel should quote the citing text for the strongest of these.

## Contribution 2

### Claim — Contribution 2

*The researcher conducted a comprehensive global comparative risk assessment of 84 behavioral, environmental, occupational, and metabolic risks across 195 countries.*

The researcher’s primary contribution is a seminal 2018 study that systematically evaluated 84 distinct risk factors across 195 countries. This work provides a standardized framework for understanding the global burden of disease attributable to behavioral, environmental, occupational, and metabolic risks.

This line of work appears to address the critical need for granular, comparable data on health risks at a national and regional level. By aggregating diverse risk categories into a single comparative assessment, the research offers a novel, holistic view of global health determinants that was previously fragmented.

The significance of this contribution is evidenced by its extensive uptake in the scientific community, with over 17,000 citations. Notably, 100% of the classified citing papers originate from independent researchers, indicating that the work has become a foundational reference for scholars outside the researcher’s immediate network.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 4

CORE PAPER

**Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and ...**

2018 · 17,667 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">2021 ESC Guidelines on cardiovascular disease prevention in clinical practice</a> (2021)	Academy of Athens, Amsterdam UMC, Amsterdam UMC, Vrije Universiteit	Belgium, France, Germany	—
2	<a href="#">The global burden of metabolic disease: Data from 2000 to 2019</a> (2023)	Beth Israel Deaconess Medical Center, Cedars-Sinai Medical Center, Cedars-Sinai Medical Center / Houston Research Institute	Australia, China, Hong Kong	—
3	<a href="#">Air pollution and climate change as grand challenges to sustainability</a> (2024)	University of Agriculture, University of the Punjab	Pakistan	—
4	<a href="#">Definition and diagnostic criteria of clinical obesity</a> (2025)	Boston University, Catholic University of the Sacred Heart, Chobanian & Avedisian School of Medicine, Boston University	Australia, Austria, Brazil	—

Independent citing papers only; self- and co-author citations excluded. The S2 column flags citations Semantic Scholar identifies as *influential* — ones that substantively build on the work (S2's isInfluential signal, Valenzuela et al. 2015) — the “built on / relied upon” pattern the AAO credits. Counsel should quote the citing text for the strongest of these.

**Contribution 3**

**Claim – Contribution 3**

*The researcher produced a seminal systematic analysis quantifying the global burden of 369 diseases and injuries across 204 countries from 1990 to 2019.*

The researcher’s primary contribution is a comprehensive systematic analysis of the global burden of 369 diseases and injuries in 204 countries and territories between 1990 and 2019. This work, published in 2020 as part of the Global Burden of Disease Study 2019, stands as a standalone core paper without direct follow-up publications by the same author in this specific line of inquiry.

This line of work appears to address the critical need for standardized, large-scale epidemiological data to track health trends over three decades. By synthesizing data across a vast number of countries and disease categories, the research provides a foundational benchmark for understanding global health dynamics, filling a gap in comparative, longitudinal health metrics.

The significance of this contribution is evidenced by its substantial citation count of 15,806, indicating widespread adoption in the field. Furthermore, analysis of 38 citing papers reveals that 100% are from independent researchers, demonstrating that the work has been extensively utilized by the broader scientific community outside the researcher’s immediate circle to inform diverse studies.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 6 · 2 flagged influential by Semantic Scholar

CORE PAPER

**Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019**

2020 · 15,806 citations (GS)

Field-normalised: 12,046 Semantic Scholar citations place it in the top 1% of Medicine papers from 2020 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">2024 ESC Guidelines for the management of peripheral arterial and aortic diseases</a> (2024)	A. Cardarelli Hospital, Antonio Cardarelli Hospital, AORN Antonio Cardarelli	Austria, Belgium, Finland	—
2	<a href="#">2024 Heart Disease and Stroke Statistics: A Report of US and Global Data from the American Heart Association</a> (2024)	American Heart Association, American Heart Association / Columbia University, American Heart Association & Columbia University	Brazil, Canada, China	—
3	<a href="#">2025 Heart Disease and Stroke Statistics: A Report of US and Global Data From the American Heart Association</a> (2025)	American Heart Association, Beth Israel Deaconess Medical Center, Beth Israel Deaconess Medical Center and Harvard Medical School	Brazil, Canada, United States	—
4	<a href="#">Type 2 diabetes mellitus in adults: pathogenesis, prevention and therapy</a> (2024)	West China Hospital, Sichuan University	China	—
5	<a href="#">Chronic kidney disease and the global public health agenda: an international consensus</a> (2024)	Centro de Hemodiálisis Crónica CASMU-IAMPP, Drexel University College of Medicine, European Renal Association	Argentina, Australia, Belgium	<b>Influential</b>
6	<a href="#">Global, regional, and national burden of disorders affecting the nervous system, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021</a> (2024)	Institute for Health Metrics and Evaluation, University of Washington, World Health Organization	Switzerland, United States	<b>Influential</b>

Independent citing papers only; self- and co-author citations excluded. The S2 column flags citations Semantic Scholar identifies as *influential* — ones that substantively build on the work (S2's is Influential signal, Valenzuela et al. 2015) — the “built on / relied upon” pattern the AAO credits. Counsel should quote the citing text for the strongest of these.

## D. Citing-Institution Prestige & Geography

### Top citing institutions

Institution	Country	World ranking	Citing papers
University of Washington	United States	SCImago #45 · THE 25 · QS 81	15
Institute for Health Metrics and Evaluation, University of Washington	United States	—	7
Institute for Health Metrics and Evaluation	United States	SCImago #37	6
University of Cambridge	United Kingdom	SCImago #63 · THE =3 · QS 6	5
Massachusetts General Hospital	United States	SCImago #100	5
National Institutes of Health	United States	SCImago #44	5
University of California, Los Angeles	United States	SCImago #70 · THE =18 · QS 46	5

Institution	Country	World ranking	Citing papers
Cairo University	Egypt	SCImago #997 · THE 801–1000 · QS =347	5
Beth Israel Deaconess Medical Center	United States	SCImago #647	4
Massachusetts General Hospital and Harvard Medical School	United States	—	4
Tehran University of Medical Sciences	Iran	SCImago #701 · THE 501–600	4
Vanderbilt University Medical Center	United States	SCImago #663	4
Columbia University	United States	SCImago #65 · THE 20 · QS =38	4
Northwestern University Feinberg School of Medicine	United States	—	4
UT Southwestern Medical Center	United States	—	4

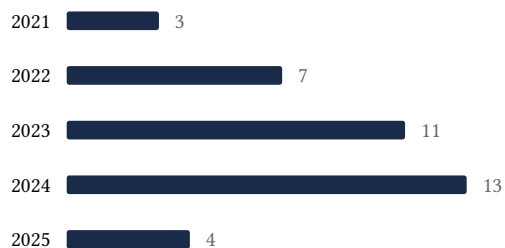
### Geographic distribution of citing authors

Country	Citing papers
United States	27
United Kingdom	16
Germany	12
Italy	12
Australia	11
China	11
Canada	8
Ethiopia	7
France	7
Iran	7
Egypt	6
Poland	6

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.



## 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	Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic ...	10	8 CFR 204.5(i)(3) – Outstanding Researcher
Contribution 2	Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and ...	4	8 CFR 204.5(i)(3) – Outstanding Researcher
Contribution 3	Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019	6	8 CFR 204.5(i)(3) – Outstanding Researcher