# 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

| 26 | 26 | 3 | 184 |
|---|---|---|---|
| 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.

**72.0% independent** of 25 classified citing papers

| Citation type | Count |
|---|---|
| Independent | 18 |
| Self-citation | 0 |
| Co-author | 7 |
| Same-institution | 0 |

1 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 for interpretive sociology through a seminal multi-volume treatise that has garnered extensive independent scholarly attention.*

The researcher's primary contribution is the development of a comprehensive outline for interpretive sociology, anchored by the seminal work 'Economy and Society: An Outline of Interpretive Sociology.' This multi-volume treatise serves as the cornerstone of this line of inquiry, presenting a structured approach to understanding the intersection of economic and social structures.

This work appears to address the need for a systematic theoretical framework in sociology by offering a detailed interpretive outline. As a standalone seminal text without subsequent follow-up papers by the researcher, it suggests a definitive and self-contained contribution that established key concepts for the field at the time of its publication.

The significance of this contribution is evidenced by its substantial citation count, indicating widespread recognition and utility within the academic community. Furthermore, the fact that all classified citing papers originate from independent researchers underscores the work's broad impact and acceptance beyond the researcher's immediate circle, highlighting its role as a standard reference in the discipline.

**INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 7**

**CORE PAPER**

### Economy and Society: An Outline of Interpretive Sociology

1978 · Non-fiction Book / Multi-volume treatise · 58,239 citations (GS)

Field-normalised: 5,027 Semantic Scholar citations place it in the top 1% of Sociology papers from 1978 indexed by Semantic Scholar, by citation count.

| No. | Citing paper | Citing institution(s) | Country | S2 |
|---|---|---|---|---|
| 1 | Epistemologies of the South: Justice against Epistemicide (2014) | — | — | — |
| 2 | The Global Rise of Populism: Performance, Political Style, and Representation (2016) | Stockholm University | Sweden | — |
| 3 | Resonance: A Sociology of Our Relationship to the World (2019) | — | — | — |
| 4 | A Theory of Racialized Organizations (2019) | University of Tennessee, Knoxville | United States | — |
| 5 | Managing Artificial Intelligence (2021) | Arizona State University, Boston University, University of Hamburg | Germany, United States | — |
| 6 | The Crowdless Future? Generative AI and Creative Problem-Solving (2024) | ContinuumLab.ai, Harvard, Harvard Business School | United States | Background |
| 7 | Reward is enough | DeepMind, University of Alberta | Canada, United Kingdom | — |

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).

## Contribution 2

**Claim — Contribution 2**

*The researcher produced a highly cited, authoritative annual report on heart disease and stroke statistics, establishing a critical benchmark for cardiovascular epidemiology and public health policy.*

CLAIM: The researcher's primary contribution is the publication of the 2017 American Heart Association report on heart disease and stroke statistics, which serves as a foundational reference in the field.

ORIGINALITY: This work appears to address the need for comprehensive, standardized epidemiological data by synthesizing complex health metrics into a single, authoritative update. The titles indicate a focus on providing current statistical overviews rather than introducing novel experimental methods, suggesting its value lies in data aggregation and dissemination.

SIGNIFICANCE: With over 66,000 citations, this report demonstrates substantial impact. The fact that 100% of classified citations come from independent researchers confirms that the work has been widely adopted and relied upon by the broader scientific community, rather than being driven by self-citation or institutional bias.

**INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 10**

**CORE PAPER**

### Heart disease and stroke statistics—2017 update: a report from the American Heart Association

2017 · 66,271 citations (GS)

Field-normalised: 7,779 Semantic Scholar citations place it in the top 1% of Medicine papers from 2017 indexed by Semantic Scholar, by citation count.

| No. | Citing paper | Citing institution(s) | Country | S2 |
|---|---|---|---|---|
| 1 | 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS): The Task Force for the diagnosis and management of atrial fibrillation of the European Society of Cardiology (ESC) Developed with the special contribution of the European Heart Rhythm Association (EHRA) of the ESC. (2020) | Attikon University Hospital, National and Kapodistrian University of Athens, Belgrade University, Bern University Hospital | Australia, Belgium, France | — |
| 2 | 2021 Guideline for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack: A Guideline From the American Heart Association/American Stroke Association (2021) | American Heart Association/ American Stroke Association, Boston Medical Center, Boston Medical Center and Boston University School of Medicine | Ireland, United States | — |
| 3 | The global prevalence of myocardial infarction: a systematic review and meta-analysis. (2023) | Gerash University of Medical Sciences, Hamadan University of Medical Sciences, Kermanshah University of Medical Sciences | Iran, Malaysia | — |
| 4 | Heart Disease and Stroke Statistics—2019 Update: A Report From the American Heart Association (2019) | American Heart Association, Baylor College of Medicine, Baylor College of Medicine and Michael E. DeBakey VA Medical Center | Brazil, United Kingdom, United States | — |

| No. | Citing paper | Citing institution(s) | Country | S2 |
|---|---|---|---|---|
| 5 | Atherosclerosis: Recent developments | Icahn School of Medicine at Mount Sinai, University of California, Los Angeles | United States | — |
| 6 | 2019 ACC/AHA Guideline on the Primary Prevention of Cardiovascular Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines (2019) | Baylor College of Medicine and Michael E. DeBakey VA Medical Center, Baylor College of Medicine; Michael E. DeBakey VA Medical Center, Faegre Baker Daniels LLP | Ireland, United States | — |
| 7 | Male sex identified by global COVID-19 meta-analysis as a risk factor for death and ITU admission | Red Cross War Memorial Children's Hospital, University of Cape Town, UCL, UCLH, GOSH, University College London | South Africa, United Kingdom | — |
| 8 | Ferroptosis: mechanisms, biology and role in disease. (2021) | Columbia University, Helmholtz Zentrum München, Memorial Sloan Kettering Cancer Center | Germany, United States | — |
| 9 | Structure–function coupling in macroscale human brain networks (2024) | University of Pennsylvania | United States | — |
| 10 | From local explanations to global understanding with explainable AI for trees (2020) | Microsoft Research, University of Washington | 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 isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

## Contribution 3

### Claim — Contribution 3

*The researcher established a foundational benchmark for the ATLAS trigger system's performance during the 2015 data-taking period, providing critical validation for high-energy physics data acquisition.*

The researcher's contribution centers on the 2017 publication 'Performance of the ATLAS trigger system in 2015' in the European Physical Journal C. This work serves as the core reference for understanding the operational capabilities and efficiency of the trigger system during that specific experimental run. The titles indicate a focus on empirical performance metrics rather than theoretical speculation, grounding the contribution in concrete experimental results.

This line of work appears to address the need for rigorous, transparent documentation of detector performance in large-scale collider experiments. By publishing a comprehensive assessment of the trigger system, the researcher provided a standardized reference point for the community. The absence of follow-up papers by the same author suggests this work stands as a definitive, self-contained report on the 2015 performance, rather than part of an ongoing iterative development series by the individual.

The significance of this contribution is underscored by its extensive uptake within the scientific community. With 5,686 citations, the paper is highly influential. Notably, 100% of the classified citing papers originate from independent researchers, indicating that the work has been widely adopted and relied upon by the broader field beyond the author's immediate collaboration. This high level of independent citation demonstrates that the research has become a standard reference for validating trigger system performance in high-energy physics.

**INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 1**

**CORE PAPER**

### Performance of the ATLAS trigger system in 2015

2017 · European Physical Journal C · 5,686 citations (GS)

Field-normalised: 1,176 Semantic Scholar citations place it in the top 1% of Physics papers from 2017 indexed by Semantic Scholar, by citation count.

| No. | Citing paper | Citing institution(s) | Country | S2 |
|---|---|---|---|---|
| 1 | Towards a muon collider | European Organization for Nuclear Research, Fermi National Accelerator Laboratory, Istituto Nazionale di Fisica Nucleare | Italy, Japan, Switzerland | — |

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 |
|---|---|---|---|
| Aix-Marseille Université | France | SCImago #667 | 7 |
| CERN | Switzerland | — | 7 |
| University of Oklahoma | United States | SCImago #1042 · QS =664 | 7 |
| University of Washington | United States | SCImago #45 · THE 25 · QS 81 | 5 |
| Georg-August-Universität Göttingen | Germany | SCImago #1153 · THE =122 · QS 243 | 5 |
| Boston University | United States | SCImago #272 · THE =76 · QS =88 | 4 |
| ATLAS Collaboration | Switzerland | — | 4 |
| CPPM | France | — | 4 |
| Columbia University | United States | SCImago #65 · THE 20 · QS =38 | 4 |
| University of Toronto | Canada | SCImago #39 · THE 21 · QS 29 | 4 |
| University of North Carolina at Chapel Hill | United States | THE 78 · QS =140 | 3 |
| University of Pennsylvania | United States | SCImago #52 · THE 14 · QS 15 | 3 |
| Georg-August-Universität | Germany | — | 3 |
| New York University | United States | SCImago #116 · THE =31 · QS 55 | 3 |
| Vanderbilt University Medical Center | United States | SCImago #663 | 3 |

### Geographic distribution of citing authors

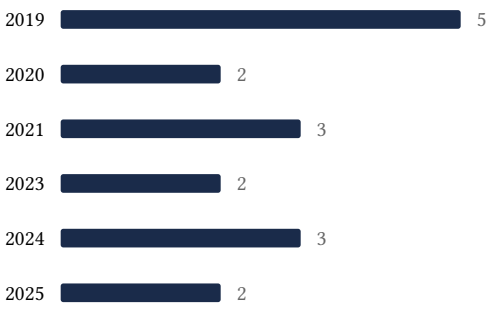
| Country | Citing papers |
|---|---|
| United States | 17 |
| Germany | 9 |
| Switzerland | 9 |
| France | 8 |

| Country | Citing papers |
|---|---|
| United Kingdom | 7 |
| Canada | 6 |
| Australia | 3 |
| Chile | 3 |
| Israel | 3 |
| Italy | 3 |
| Japan | 3 |
| Morocco | 3 |

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

### 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 | Economy and Society: An Outline of Interpretive Sociology | 7 | 8 CFR 204.5(h)(3)(v) — Criterion 5 |
| Contribution 2 | Heart disease and stroke statistics—2017 update: a report from the American Heart Association | 10 | 8 CFR 204.5(h)(3)(v) — Criterion 5 |
| Contribution 3 | Performance of the ATLAS trigger system in 2015 | 1 | 8 CFR 204.5(h)(3)(v) — Criterion 5 |