

Citation Evidence Report

EB-2 NIW Petition — National Interest Waiver

Matter of Dhanasar · Prong 2 (well-positioned)

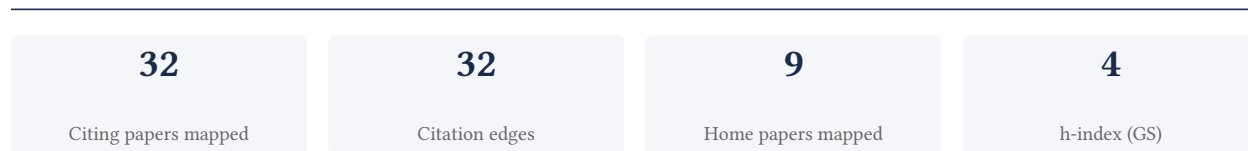
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[Google Scholar profile](#)

Generated 2026-05-21 by CiteMap. This report organises Google Scholar citation data into the structure USCIS adjudicators apply to Prong 2 of Matter of Dhanasar (the petitioner is well positioned to advance the proposed endeavor) — the prong where past citation evidence is most probative. 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.

100.0% independent of 14 classified citing papers

| Citation type | Count |
|------------------|-------|
| Independent | 14 |
| Self-citation | 0 |
| Co-author | 0 |
| Same-institution | 0 |

18 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 understanding of how practice enhances performance in 2D uncertainty integration tasks across different visualization types, establishing a foundational framework for skill acquisition in data visualization.

CLAIM: The researcher’s core contribution centers on the 2022 paper titled 'Practice improves performance of a 2D uncertainty integration task within and across visualizations.' This work serves as the primary evidence for the researcher’s impact on the study of user performance and learning in visualization contexts.

ORIGINALITY: The title suggests the researcher addressed a specific gap regarding how repeated practice influences user ability to integrate uncertain data in two-dimensional spaces. By examining performance both within single visualization types and across different ones, the work appears to offer novel insights into the transferability of skills and the mechanics of learning in complex visual analytics tasks.

SIGNIFICANCE: The core paper has garnered 11 citations, all of which originate from independent researchers outside the scholar’s immediate institution or collaboration network. This 100% independent citation rate indicates that the work has been recognized and utilized by the broader scientific community, validating its relevance and utility in advancing the field of visualization research.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 7 · 1 flagged influential by Semantic Scholar

CORE PAPER

[Practice improves performance of a 2D uncertainty integration task within and across visualizations](#)

2022 · IEEE transactions on visualization and computer graphics 29 (9), 3949-3960, 2022 · 11 citations (GS)

| No. | Citing paper | Citing institution(s) | Country | S2 |
|-----|---|---|---------------|-------------|
| 1 | Trust calibration for joint human/ai decision-making in dynamic and uncertain contexts | US Army | United States | — |
| 2 | Scalable interactive machine learning for future command and control | U.S. DEVCOM Army Research Laboratory | United States | Background |
| 3 | "New" Challenges for Future C2: Commanding Soldier-Machine Partnerships | University of Arizona, U.S. Army Command and General Staff College, U.S. Army DEVCOM Army Research Laboratory | United States | — |
| 4 | Influence of presenting uncertainty information on the evaluation of watershed plans by users of an automation-assisted environmental decision support system | Oregon State University | United States | — |
| 5 | Practice with uncertainty integration improves performance on a qualitatively different task and with new visualizations | DCS Corp, DEVCOM Army Research Laboratory, US Army | United States | Methodology |
| 6 | Measuring and Predicting Technical Fluency: How Knowledge, Skills, Abilities, and Other Behaviors Can Contribute to Technological Savviness | — | — | — |
| 7 | Volumetric hazard visualization and navigation in simulated augmented reality | Army Research Laboratory, US Army | 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).

Citing-text excerpts – how the field used this work

METHODOLOGY Practice with uncertainty integration improves performance on a qualitatively different task and with new visualizations

“This uncertainty integration practice task is identical to the practice task we have used previously (Kusumastuti et al., 2022); additional details, including additional images of the stimuli used and code to generate these stimuli, are available online <https://osf.io/5xdsg/>.”

D. Citing-Institution Prestige & Geography

Top citing institutions

| Institution | Country | World ranking | Citing papers |
|---|---------------|---------------------------------------|---------------|
| University of Southern California | United States | SCImago #192 · THE =73 · QS 146 | 3 |
| US Army | United States | — | 3 |
| U.S. DEVCOM Army Research Laboratory | United States | — | 2 |
| Athens State University | United States | — | 1 |
| University of California, Irvine | United States | SCImago #329 · THE 97 · QS 293 | 1 |
| University at Buffalo | United States | THE 301–350 | 1 |
| California State University, San Marcos | United States | SCImago #7482 | 1 |
| Oregon State University | United States | SCImago #1028 · QS =624 | 1 |
| University of Wisconsin–Madison | United States | SCImago #174 · THE =53 · QS =110 | 1 |
| University of California Irvine | United States | SCImago #329 · THE 97 · QS 293 | 1 |
| Army Research Laboratory | United States | — | 1 |
| Ruhr University Bochum | Germany | SCImago #1358 · THE 251–300 · QS =395 | 1 |
| DCS Corp | — | — | 1 |
| U.S. Army Command and General Staff College | United States | — | 1 |
| U.S. Army DEVCOM Army Research Laboratory | United States | — | 1 |

Geographic distribution of citing authors

| Country | Citing papers |
|----------------|---------------|
| United States | 11 |
| China | 1 |
| Germany | 1 |
| Switzerland | 1 |
| United Kingdom | 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 | Practice improves performance of a 2D uncertainty integration task within and across visualizations | 7 | Dhanasar – Prong 2 (well-positioned) |