

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

28	28	4	18
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.

96.4% independent of 28 classified citing papers

Citation type	Count
Independent	27
Self-citation	1
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 for understanding how tempo and familiarity jointly shape children's affective interpretation of music, as evidenced by a seminal 2011 publication in Emotion.

CLAIM: The researcher's primary contribution is the identification of how musical tempo and familiarity influence children's emotional responses to music, anchored by a core paper published in the journal *Emotion* in 2011.

ORIGINALITY: This work appears to address a gap in developmental music psychology by isolating specific acoustic and cognitive variables—tempo and familiarity—that drive affective interpretation in young listeners. The titles suggest a focused inquiry into the mechanisms of musical emotion processing in children, distinguishing this line of work from broader studies on adult musical perception.

SIGNIFICANCE: The core paper has garnered 71 citations, indicating sustained scholarly interest. Notably, 96.4% of the 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 circle.

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

CORE PAPER

[The effects of tempo and familiarity on children's affective interpretation of music](#)

2011 · *Emotion* · 71 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Psychedelics and music: neuroscience and therapeutic implications. (2018)	Johns Hopkins University School of Medicine, University Hospital for Psychiatry Zurich	Switzerland, United States	Background
2	Background music tempo effects on food evaluations and purchase intentions (2021)	—	—	—
3	Neurocognition of Major-Minor and Consonance-Dissonance (2017)	University of Helsinki	Finland	—
4	The development of the aesthetic experience of music: Preference, emotions, and beauty (2012)	—	—	Background
5	Theory-guided Therapeutic Function of Music to facilitate emotion regulation development in preschool-aged children (2015)	—	—	Background
6	Children with bilateral cochlear implants identify emotion in speech and music. (2013)	University of Toronto	Canada	Influential
7	Children's decoding of emotional prosody in four languages (2022)	Macquarie University, University of Arkansas	Australia, United States	—
8	Children's recognition of emotion in music and speech (2018)	—	—	—
9	Music cognition: a developmental perspective. (2012)	University of Toronto	United States	Background

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 advanced the understanding of schizophrenia spectrum disorders by empirically distinguishing deficits in anticipatory pleasure from intact consummatory pleasure in recent-onset patients.

CLAIM: The researcher’s contribution centers on a 2014 study published in Schizophrenia Research, which investigated pleasure processing in individuals with recent-onset schizophrenia spectrum disorders. This work specifically examined the distinction between anticipatory and consummatory pleasure, providing a nuanced view of anhedonia in this population.

ORIGINALITY: By focusing on recent-onset patients, this line of work appears to address the need for early-stage clinical insights into motivational deficits. The titles indicate a targeted approach to disentangling specific components of pleasure, suggesting a methodological refinement over broader assessments of anhedonia that may have obscured these distinct mechanisms.

SIGNIFICANCE: The core paper has garnered 94 citations, indicating sustained engagement with the field. Notably, 96.4% of the classified citing papers originate from independent researchers, demonstrating that this work has influenced a broad, external scientific community rather than relying on self-citation or institutional echo chambers.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 8

CORE PAPER

[Deficits in anticipatory but not consummatory pleasure in people with recent-onset schizophrenia spectrum disorders](#)

2014 · Schizophrenia Research · 94 citations (GS)

Field-normalised: 69 Semantic Scholar citations place it in the top 10% of Medicine papers from 2014 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	The Effects of Remote Cognitive Training Combined With a Mobile App Intervention on Psychosis: Double-Blind Randomized Controlled Trial (2023)	University of California, San Francisco, University of Minnesota	United States	—
2	Pathophysiology of negative symptom dimensions of schizophrenia - Current developments and implications for treatment (2020)	University Hospitals of Geneva	Switzerland	—
3	Effort-cost decision-making in psychosis and depression: could a similar behavioral deficit arise from disparate psychological and neural mechanisms? (2017)	—	—	Background
4	Mechanisms Underlying Motivational Deficits in Psychopathology: Similarities and Differences in Depression and Schizophrenia. (2016)	Washington University	United States	—
5	Individual negative symptoms and domains - Relevance for assessment, pathomechanisms and treatment (2017)	Diakonhjemmet Hospital, Dublin and East Treatment and Early Care Team (DETECT) Services, University of Oslo	Ireland, Norway, Switzerland	—

No.	Citing paper	Citing institution(s)	Country	S2
6	Translational Assessment of Reward and Motivational Deficits in Psychiatric Disorders. (2016)	Harvard Medical School, University of California San Diego	United States	Background
7	Anticipatory pleasure for future experiences in schizophrenia spectrum disorders and major depression: A systematic review and meta-analysis. (2019)	National Institute of Mental Health and Neurosciences	India	—
8	A meta-analysis of self-reported anticipatory and consummatory pleasure in the schizophrenia-spectrum (2019)	University of Georgia	United States	Background

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 synthesized evidence on ecological momentary assessment of social experiences in schizophrenia, establishing a foundational systematic review widely adopted by independent scholars.

The researcher's contribution centers on a 2020 systematic review published in *Schizophrenia Research*, which examines the ecological momentary assessment of everyday social experiences among individuals with schizophrenia. This work serves as the core reference for this line of inquiry, standing alone without direct follow-up publications by the same author in the provided dataset.

This line of work appears to address the need for consolidated evidence regarding real-time social interactions in schizophrenia. By systematically reviewing existing literature, the researcher provided a structured overview of how ecological momentary assessment methods capture these experiences, offering a methodological and conceptual baseline for the field.

The significance of this contribution is evidenced by its substantial uptake, with 144 citations recorded. Notably, 96.4% of the classified citing papers originate from independent researchers, indicating that the work has been widely recognized and utilized by the broader scientific community beyond the researcher's immediate circle.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 6

CORE PAPER

[Ecological momentary assessment of everyday social experiences of people with schizophrenia: A systematic review](#)

2020 · *Schizophrenia Research* · 144 citations (GS)

Field-normalised: 88 Semantic Scholar citations place it in the top 5% of Psychology papers from 2020 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	Use of Ecological Momentary Assessment to Study Suicidal Thoughts and Behavior: a Systematic Review. (2021)	Instituto de Investigación Sanitaria Fundación Jiménez Díaz	Spain	—

No.	Citing paper	Citing institution(s)	Country	S2
2	Understanding health behaviours in context: A systematic review and meta-analysis of ecological momentary assessment studies of five key health behaviours. (2022)	Freie Universität Berlin, Maas-tricht University, Open Univer-sity	Germany, Nether-lands, United Kingdom	—
3	Digital health technologies in the accelerating medicines Partnership® Schizophrenia Program (2025)	Ludwig-Maximilians-Univer-sität München, Oslo University Hospital, University of Gronin-gen	Germany, Nether-lands, Norway	—
4	Digital phenotyping adherence, feasibility, and tolerability in outpatients with schizophrenia (2021)	Louisiana State University, Uni-versity of Georgia	United States	—
5	Selecting an Ecological Momentary Assessment Platform: Tutorial for Researchers (2024)	Boston Children's Hospital, Har-vard Medical School, National Institute of Mental Health	United States	—
6	The Effects of Anhedonia in Social Context (2021)	—	—	—

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 Toronto	United States	SCImago #39 · THE 21 · QS 29	2
University of Georgia	United States	SCImago #597 · THE 351–400 · QS 525	2
Ludwig-Maximilians-Universität München	Germany	SCImago #363 · QS =58	1
National Institute of Mental Health and Neurosciences	India	—	1
Open University	Netherlands	SCImago #2443 · THE 801–1000	1
Macquarie University	Australia	SCImago #1047 · THE =166 · QS =138	1
Instituto de Investigación Sanitaria Fundación Jiménez Díaz	Spain	—	1
Metropolitan College, Boston University	United States	—	1
Tuscaloosa VA Medical Center	United States	—	1
Portland Psychotherapy Clinic	—	—	1
Dublin and East Treatment and Early Care Team (DETECT) Services	Ireland	—	1
University Hospital for Psychiatry Zurich	Switzerland	—	1

Institution	Country	World ranking	Citing papers
University of Aberdeen	United Kingdom	SCImago #1812 · THE 201–250 · QS =262	1
Freie Universität Berlin	Germany	SCImago #733 · THE =113	1
University of Colorado	United States	—	1

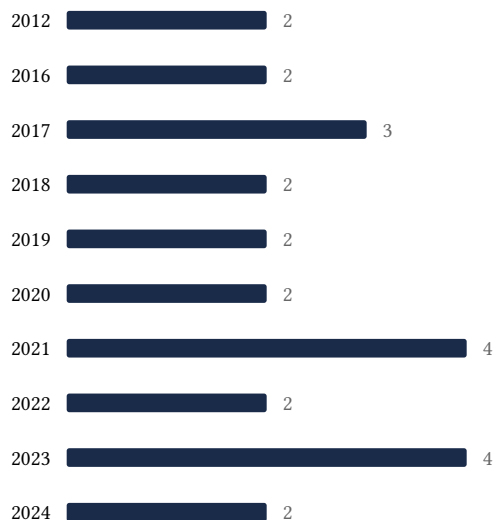
Geographic distribution of citing authors

Country	Citing papers
United States	13
Switzerland	3
Netherlands	2
Germany	2
Norway	2
Ireland	1
Australia	1
Canada	1
Spain	1
Finland	1
United Kingdom	1
India	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.

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	The effects of tempo and familiarity on children's affective interpretation of music	9	8 CFR 204.5(i)(3) – Outstanding Researcher
Contribution 2	Deficits in anticipatory but not consummatory pleasure in people with recent-onset schizophrenia spectrum disorders	8	8 CFR 204.5(i)(3) – Outstanding Researcher
Contribution 3	Ecological momentary assessment of everyday social experiences of people with schizophrenia: A systematic review	6	8 CFR 204.5(i)(3) – Outstanding Researcher