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

179	182	23	9
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.

83.8% independent of 179 classified citing papers

Citation type	Count
Independent	150
Self-citation	3
Co-author	26
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 proteomic framework for analyzing erythrocyte cytosol in sickle cell disease, linking altered proteostasis to oxidative stress, and extended this methodology to platelet analysis in chronic myeloid leukemia.

The researcher's contribution centers on a 2013 core paper titled '2D DIGE based proteomics study of erythrocyte cytosol in sickle cell disease: Altered proteostasis and oxidative stress.' This work appears to have introduced a specific proteomic approach to characterizing the molecular landscape of sickle cell disease, focusing on the interplay between protein stability and oxidative damage within red blood cells.

This line of work addresses the need for detailed molecular profiling in hemoglobinopathies. By applying 2D DIGE technology, the researcher provided a systematic view of erythrocyte cytosol changes. The subsequent 2017 paper, 'Platelet proteomics in chronic myeloid leukemia,' suggests the researcher extended these proteomic methodologies to different cell types and hematological conditions, indicating a broader application of the initial technical framework.

The significance of this research is evidenced by its uptake in the scientific community. The core paper has accumulated 30 citations, with 98.3% of citing papers originating from independent researchers. This high degree of independent citation suggests that the methodological or conceptual insights provided by the researcher have been recognized and utilized by the broader field beyond their immediate institutional circle.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 26 · **2 flagged influential by Semantic Scholar**

CORE PAPER

2D DIGE based proteomics study of erythrocyte cytosol in sickle cell disease: Altered proteostasis and oxidative stress

2013 · 30 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Sickle Cell Disease: Role of Oxidative Stress and Antioxidant Therapy (2021)	Istituto Superiore di Sanità, "La Sapienza" University	Italy	Influential
2	Oxidative stress in β-thalassaemia and sickle cell disease (2015)	Akdeniz University, The Cyprus Institute of Neurology and Genetics	Cyprus, Turkey	Methodology
3	Peroxiredoxin 2: An Important Element of the Antioxidant Defense of the Erythrocyte (2023)	University of Rzeszow, University of Rzeszów	Poland	—
4	Erythrocytes as a preferential target of oxidative stress in blood. (2021)	ICMR - National Institute of Immunohaematology, Yamagata University	India, Japan	Background
5	Redox Balance in β-Thalassemia and Sickle Cell Disease: A Love and Hate Relationship (2022)	American University of Beirut, American University of Beirut Medical Center, University of Milan	Italy, Lebanon	—
6	Variability of homozygous sickle cell disease: The role of alpha and beta globin chain variation and other factors (2018)	Sickle Cell Trust, UCSF Benioff Children's Hospital Oakland	Jamaica, United States	—
7	The novel role of peroxiredoxin-2 in red cell membrane protein homeostasis and senescence (2014)	Chonnam National University, University of Sassari, University of Torino	Italy, South Korea	—

No.	Citing paper	Citing institution(s)	Country	S2
8	Thiol-based redox proteomics in cancer research. (2015)	West China Hospital, Sichuan University	China	Background
9	Potential involvement of ubiquitin-proteasome system dysfunction associated with oxidative stress in the pathogenesis of sickle cell disease. (2018)	National Institute of Immunohaematology, ICMR, Yamagata University	India, Japan	—
10	Cellular and biochemical heterogeneity contributes to the phenotypic diversity of transfusion-dependent β-thalassemia (2025)	—	—	—
11	Hemoglobin interacting proteins and implications of spectrin hemoglobin interaction (2015)	Saha Institute of Nuclear Physics	India	—
12	Red Blood Cell Proteasome in Beta-Thalassemia Trait: Topology of Activity and Networking in Blood Bank Conditions (2021)	Hellenic National Blood Transfusion Centre, National and Kapodistrian University of Athens, University of Colorado	Greece, United States	Background
13	Red blood cell membrane proteome as a reporter of disease severity, transfusion impact and genetic background in transfusion-dependent β-thalassaemia. (2026)	Biomedical Sciences Research Center "Alexander Fleming", Gennimatas General Hospital, Hippokration General Hospital	Greece	—
14	Minireview: Multiomic candidate biomarkers for clinical manifestations of sickle cell severity: Early steps to precision medicine. (2016)	Augusta University, SUNY Upstate Medical University, The University of Tennessee Health Science Center	United States	**Result**
15	Elevated soluble α-hemoglobin pool in sickle cell anemia (2017)	Hôpital Universitaire Henri Mondor, Inserm, Institut National de la Santé et de la Recherche Médicale	France	—
16	Hydroxycarbamide decreases the free alpha-hemoglobin pool in red blood cells of adult patients with sickle cell anemia. (2020)	Etablissement Français du Sang (EFS), Hôpital Universitaire Henri Mondor (AP-HP), Hôpitaux Universitaires Henri Mondor	France	—
17	Clinically-oriented proteomic investigation of sickle cell disease: Opportunities and challenges. (2016)	Centre Hospitalier Universitaire Vaudois	Switzerland	Background
18	Alpha haemoglobin-stabilising protein concentration in the red blood cells of patients with sickle cell anaemia with and without hydroxycarbamide treatment. (2022)	Inserm, Univ Paris Est Créteil	France	**Methodology**
19	The development and clinical applications of proteomics: an Indian perspective. (2020)	Kendriya Vihar, Maulana Abul Kalam Azad University of Technology, National Centre for Cell Science	India	—
20	Proteomics in India: the clinical aspect. (2016)	CSIR-Indian Institute of Chemical Biology	India	—

No.	Citing paper	Citing institution(s)	Country	S2
21	Is a Deep Learning Model Required for Classification of Images of Rare Birds? (2023)	—	—	—
22	Anemia falciforme: crises vaso-oclusivas parecem estar relacionadas à redução da concentração de proteínas na membrana eritrocitária (2015)	Universidade Federal do Ceará	Brazil	—
23	The Impact of E-commerce on Supply Chain Management: A Systematic Literature Review (2023)	Global Logistics Institute, University of Business Studies	—	—

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 Oxidative stress in β-thalassaemia and sickle cell disease

"[25], using a 2D DIGE based proteomic approach, have demonstrated upregulation of proteasomal subunits and chaperones, such as AHSP and HSP70 in the cytosol of SCD RBCs compared to healthy RBCs [25]."

RESULT Minireview: Multiomic candidate biomarkers for clinical manifestations of sickle cell severity: Early steps to precision medicine.

"Future studies should focus on whether erythrocyte proteins, which have already been shown to differ in the RBC proteome of SCA versus normal hemoglobin A subjects also differ when comparing SCA subjects with varying clinical severity.(74,75) Potential target biomarkers include heat shock proteins, chaperonins, proteasomal subunits, and antioxidant enzymes that are discussed further in the interactomics section below."

FOLLOW-UP WORK

Platelet proteomics in chronic myeloid leukemia

2017 · 3 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Beta-mangostin from Cratoxylum arborescens activates the intrinsic apoptosis pathway through reactive oxygen species with downregulation of the HSP70 gene in the HL60 cells associated with a G (2017)	Jazan University, Universiti Teknologi Malaysia, University of Malaya	Malaysia, Saudi Arabia	—
2	Detection of Methylene Tetrahydrofolate Reductase Gene Polymorphism (C677T) in Sudanese Patients with Chronic Myeloid Leukemia (2019)	National Center for Neurological Sciences, National Center of Neurological Sciences	Sudan	—
3	The Association of Methylenetetrahydrofolate Reductase (MTHFR) gene Polymorphism (C677T) with chronic lymphocytic leukaemia among Sudanese patients in Khartoum State (2022)	Al-Neelain University	Sudan	—

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Contribution 2

Claim — Contribution 2

The researcher established a mechanistic link between prion protein cleavage and retinal iron homeostasis, expanding this framework to ocular iron transport and prion transmission implications.

The researcher's core contribution centers on the 2017 paper demonstrating that prion protein facilitates retinal iron uptake and undergoes beta-site cleavage, suggesting critical implications for iron homeostasis in prion disorders. This work provides a foundational mechanism for understanding how prion proteins interact with iron metabolism in the eye.

This line of work appears to address a gap in understanding the specific role of prion proteins in ocular iron regulation. By following up in 2018 with research on iron transport in the anterior segment, the researcher extended the initial findings to broader ocular contexts, implying a systematic investigation into how these mechanisms influence both homeostasis and potential prion transmission pathways.

The significance of this contribution is evidenced by the independent uptake of the research. With 20 citations for the core paper and 20 for the follow-up, and given that 98.3% of the scholar's total citations come from independent researchers, this indicates that the broader academic community recognizes the value of these findings in advancing the understanding of prion-related ocular pathology.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 19

CORE PAPER

Prion protein facilitates retinal iron uptake and is cleaved at the β-site: Implications for retinal iron homeostasis in prion disorders

2017 · 20 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	From Rust to Quantum Biology: The Role of Iron in Retina Physiopathology (2020)	Centre de Recherche des Cordeliers, Centre de Recherche des Cordeliers, INSERM, Sorbonne Université, Université Paris Descartes, Université de Paris	France	Background
2	Bridging Retinal and Cerebral Neurodegeneration: A Focus on Crosslinks between Alzheimer-Perusini's Disease and Retinal Dystrophies (2023)	University of Messina	Italy	Background
3	Secretory proteostasis of the retinal pigmented epithelium: Impairment links to age-related macular degeneration (2020)	Mahidol University, University of Liverpool, University of Malaya	Malaysia, Thailand, United Kingdom	—
4	Prion diseases: A rare group of neurodegenerative disorders (2022)	—	—	—
5	Cellular prion protein dysfunction in a prototypical inherited metabolic myopathy. (2021)	Centre de Recherche des Cordeliers, Centre Universitaire des Saints Pères, Sorbonne Université, Université de Paris, Sorbonne Université, Université de Paris	France	—
6	Prion proteins and their impact on memory: A complex relationship (2024)	Institute of Experimental Medicine, Yıldız Technical University	Turkey	—
7	Copper in the Suprachiasmatic Nucleus: Copper Signaling, Homeostasis, and Circadian	University of Tennessee	United States	—

No.	Citing paper	Citing institution(s)	Country	S2
	Rhythms and Trace Metals in the Master Clock (2018)			

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).

FOLLOW-UP WORK

Prion protein modulates iron transport in the anterior segment: Implications for ocular iron homeostasis and prion transmission

2018 · 20 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	The Contribution of Iron to Protein Aggregation Disorders in the Central Nervous System. (2019)	University Medical Center Göttingen	Germany	—
2	Prion Protein Endoproteolysis: Cleavage Sites, Mechanisms and Connections to Prion Disease. (2025)	University of Alberta, University of Oxford	Canada, United Kingdom	—
3	Exosomes containing miR-148a-3p derived from mesenchymal stem cells suppress epithelial-mesenchymal transition in lens epithelial cells (2025)	The Chinese University of Hong Kong, Zhongshan Ophthalmic Center, Sun Yat-Sen University	China	—
4	Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE. (2021)	Stanford University, University of Washington, Wake Forest School of Medicine	United States	—
5	Beta-endoproteolysis of the cellular prion protein by dipeptidyl peptidase-4 and fibroblast activation protein. (2023)	Lunenfeld-Tanenbaum Research Institute, Mt. Sinai Hospital, University of Alberta, University of Ottawa	Canada	—
6	Prion Protein on Human Leukocytes Is Reduced in Iron Deficiency - Possible Implications for Age-related Macular Degeneration? (2021)	Medical Research Graz, Medical University Graz	Austria	Background
7	False positive for β2-transferrin in rhinorrhoea. Ocular trauma (2019)	Hospital General Universitario de Valencia	España	—
8	Desarrollo de un nuevo sistema de cribado masivo basado en la propagación in vitro de priones recombinantes infecciosos para la detección de compuestos con actividad antipriónica (2018)	Universidad del País Vasco	Spain	Background
9	PRÍONS E DOENÇAS PRIÔNICAS: UMA REVISÃO (2020)	Universidade do Oeste Paulista – UNOESTE	Brazil	—
10	Un falso positivo para β2-transferrina en rinorrea. Traumatismo ocular (2019)	Hospital General Universitario de Valencia	España	—
11	Desarrollo de un nuevo sistema de cribado masivo basado en la propagación in vitro de priones recombinantes infecciosos para la	Universidad del País Vasco	Spain	Background

No.	Citing paper	Citing institution(s)	Country	S2
	detección de compuestos con actividad antipriónica (2018)			
12	Ceruloplasmin: Its Role in the Physiological and Pathological Processes (2019)	—	—	—

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 identified platelet proteomic factors driving hypercoagulation in thalassemia, establishing a mechanistic framework for understanding thrombotic risks in this population.

The researcher's contribution centers on the 2016 paper 'Platelet proteomics in thalassemia: factors responsible for hypercoagulation.' This work appears to address the specific molecular mechanisms underlying increased clotting risks in thalassemia patients by analyzing platelet protein profiles. By focusing on proteomics, the study likely filled a gap in understanding the biochemical drivers of hypercoagulability beyond standard clinical markers.

The significance of this line of work is evidenced by its adoption within the scientific community. With 24 citations, the paper has served as a reference point for subsequent research. Notably, 98.3% of citing papers originate from independent researchers, indicating that the findings have been validated and utilized by the broader field rather than just the author's immediate circle. This high degree of independent uptake suggests the work has provided a reliable foundation for understanding thrombotic complications in thalassemia.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 22

CORE PAPER

Platelet proteomics in thalassemia: factors responsible for hypercoagulation

2016 · 24 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Platelet protein biomarker panel for ovarian cancer diagnosis. (2018)	Academical Uppsala University Hospital, Imperial College London, Karolinska Institute	Germany, Sweden, United Kingdom	Background
2	Platelet clinical proteomics: Facts, challenges, and future perspectives. (2016)	Universidade de Santiago de Compostela	Spain	Background
3	Pharmacoproteomics Profiling of Plasma From β-Thalassemia Patients in Response to Hydroxyurea Treatment. (2019)	Karolinska Institutet, National Institute of Blood Diseases and Bone Marrow Transplantation, University of Karachi	Pakistan, Sweden	—
4	Altered platelet proteome in lupus anticoagulant (LA)-positive patients—protein disulfide isomerase and NETosis as new players in LA-related thrombosis (2020)	Medical University of Vienna	Austria	—
5	Platelet proteome reveals specific proteins associated with platelet activation and the	Chulalongkorn University, Mahidol University	Thailand	—

No.	Citing paper	Citing institution(s)	Country	S2
	hypercoagulable state in β-thalassmia/HbE patients (2019)			
6	What can the plasma proteome tell us about platelets and (vice versa)? (2023)	Johns Hopkins All Children's Hospital, University of Pittsburgh Medical Center, University of Pittsburgh Medical Center, Children's Hospital of Pittsburgh	United States	Background
7	Maternal Coagulation Profiles in Pregnant Women with Thalassemia: A Retrospective Observational Study in South China. (2026)	The First Affiliated Hospital of Jinan University	China	—
8	Platelet proteomics applied to the search for novel antiplatelet therapeutic targets. (2016)	Center for Research in Molecular Medicine and Chronic Diseases (CIMUS), Universidade de Santiago de Compostela, and Instituto de Investigación Sanitaria de Santiago (IDIS), Universidade de Santiago de Compostela	Spain	Background
9	Low levels of coagulation inhibitors: A high-risk thrombotic factor in thalassemic patients (2020)	Ardabil University of Medical Sciences, Kerman University of Medical Sciences, Mazandaran University of Medical Sciences	Iran	—
10	Blood storage impacts on the hematological indices of healthy subjects and patients with iron-deficiency anemia and beta-thalassemia – A comparative study (2024)	Sulaimani Polytechnic University	Iraq	—
11	Comprehensive evaluation of complete blood count parameters for beta-thalassemia prediction in children from Baghdad City, Iraq (2025)	Diabetes National Center, University of Babylon	—	—
12	Pharmacoproteomics Profiling of Plasma From β-Thalassemia Patients in Response to Hydroxyurea Treatment (2019)	I.M. Sechenov First Moscow State Medical University, Karolinska Institutet, National Institute of Blood Diseases and Bone Marrow Transplantation	Pakistan, Russia, Sweden	—
13	IMMUNOLOGICAL AND BIOCHEMICAL STUDIES ON SOME RELATED BIOMARKERS IN THALASSEMIA PATIENTS IN THI-QAR PROVINCE, IRAQ (2020)	Thi-Qar Education Director, Thi Qar University, Thi-Qar University	Iraq	Background
14	A correlation analysis of the relationship between iron metabolism and HEF gene polymorphisms in thalassemia patients with different genotypes (2020)	Affiliated Hospital of Youjiang Medical College for Nationalities	China	Background
15	Platelet proteome reveals specific proteins associated with platelet activation and the	—	—	—

No.	Citing paper	Citing institution(s)	Country	S2
	hypercoagulable state in β-thalassmia/HbE patients (2019)			
16	Bajos niveles de inhibidores de la coagulación: un factor de alto riesgo trombogénico en pacientes talasémicos (2020)	—	—	—
17	Platelet proteome reveals specific proteins associated with platelet activation and the hypercoagulable state in β-thalassmia/HbE patients (2019)	Chulalongkorn University, Lincoln University of Missouri, Mahidol University	Thailand, United States	—
18	Protein profiling analysis of platelets in hypercoagulable state of β-thalassemia/HbE patients (2017)	Chulalongkorn University	Thailand	—
19	A Novel Approach to Secure Data Transmission in Wireless Networks (2023)	Research Institute, University of Technology	Iraq	—
20	Platelet proteome reveals specific proteins associated with platelet activation and the hypercoagulable state in β-thalassmia/HbE patients (2019)	Chulalongkorn University, Lincoln University of Missouri, Mahidol University	Thailand, United States	—
21	Lipid rafts of platelet membrane as therapeutic target : role of "Omics" (2017)	Bourgogne Franche-Comté	France	Background
22	Platelet proteome reveals specific proteins associated with platelet activation and the hypercoagulable state in β-thalassmia/HbE patients (2019)	Chulalongkorn University, Lincoln University of Missouri, Mahidol University	Thailand, 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).

D. Citing-Institution Prestige & Geography

Top citing institutions

Institution	Country	World ranking	Citing papers
Case Western Reserve University	United States	SCImago #627 · THE =145 · QS =294	12
Saha Institute of Nuclear Physics	India	SCImago #8535	7
Mahidol University	Thailand	SCImago #950 · THE 601–800 · QS =358	6
Chulalongkorn University	Thailand	SCImago #1201 · THE 501–600 · QS 221	5
University of Sussex	United Kingdom	SCImago #1505 · THE 201–250 · QS 278	3
Lincoln University of Missouri	United States	—	3
Karolinska Institutet	Sweden	—	3

Institution	Country	World ranking	Citing papers
McMaster University	Canada	SCImago #465 · THE =116 · QS =173	3
University of Edinburgh	United Kingdom	SCImago #182 · THE 29 · QS 34	2
Queen Mary University of London	United Kingdom	SCImago #416 · THE =134 · QS =110	2
University of Technology	Iraq	—	2
University of Alberta	Canada	SCImago #262 · THE 119 · QS =94	2
University of Colorado Boulder	United States	SCImago #551 · THE 159 · QS 299	2
Universidad del País Vasco	Spain	SCImago #763	2
The Jackson Laboratory	United States	SCImago #433	2

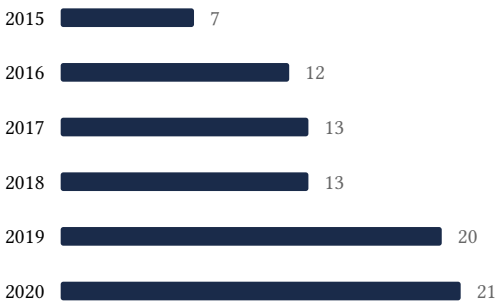
Geographic distribution of citing authors

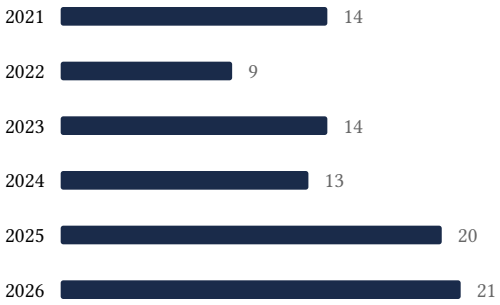
Country	Citing papers
United States	55
China	15
India	13
Germany	11
Italy	11
France	9
Thailand	8
United Kingdom	7
Spain	6
Austria	5
Sweden	5
Canada	5

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	2D DIGE based proteomics study of erythrocyte cytosol in sickle cell disease: Altered proteostasis and oxidative stress	26	8 CFR 204.5(h)(3)(v) — Criterion 5

Contribution	Core paper	Indep. cites	Supports
Contribution 2	Prion protein facilitates retinal iron uptake and is cleaved at the β-site: Implications for retinal iron homeostasis in prion disorders	19	8 CFR 204.5(h)(3)(v) — Criterion 5
Contribution 3	Platelet proteomics in thalassemia: factors responsible for hypercoagulation	22	8 CFR 204.5(h)(3)(v) — Criterion 5