

Citation Evidence Report

EB-1A Petition — Original Contributions of Major Significance

8 CFR § 204.5(h)(3)(v) · Criterion 5

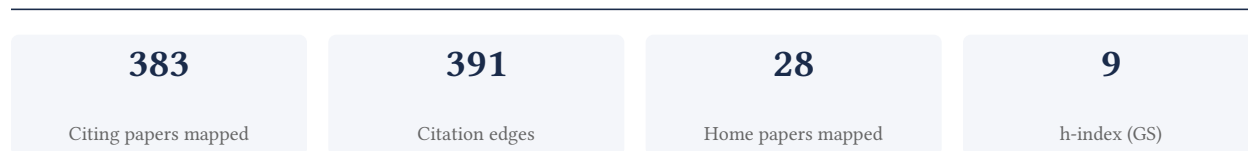
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[Google Scholar profile](#)

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



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.

90.8% independent of 174 classified citing papers

Citation type	Count
Independent	158
Self-citation	7
Co-author	9
Same-institution	0

209 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 genomic framework linking centralized industrial pork production to the global dissemination of Salmonella enterica, subsequently extending this analytical approach to characterize emerging multidrug-resistant pathogens in clinical settings.

CLAIM: The researcher's core contribution centers on the 2024 paper titled 'Centralized industrialization of pork in Europe and America contributes to the global spread of Salmonella enterica,' which posits a direct link between industrial agricultural practices and the worldwide distribution of this pathogen. This work serves as the foundational pillar for a broader investigation into the evolutionary dynamics of foodborne and clinical bacteria.

ORIGINALITY: This line of work appears to address the critical gap in understanding how large-scale industrial systems drive the evolution and spread of resistant bacterial strains. By following the core study with 2025 publications on carbapenem-resistant Salmonella in pediatric patients and the evolution of hypervirulent Klebsiella pneumoniae, the researcher demonstrates a methodological progression from identifying industrial drivers of spread to analyzing specific genomic trade-offs and containment mechanisms in emerging clinical threats.

SIGNIFICANCE: The impact of this research is evidenced by 34 citations for the core paper, with 92.5% of the 174 classified citations originating from independent researchers. This high degree of independent uptake suggests that the framework connecting industrial practices to pathogen evolution has been widely recognized and utilized by the broader scientific community to inform studies on antimicrobial resistance and bacterial virulence.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 19 · 1 flagged influential by Semantic Scholar

CORE PAPER

[Centralized industrialization of pork in Europe and America contributes to the global spread of Salmonella enterica](#)

2024 · Nature Food 5 (5), 413-422, 2024 · 34 citations (GS)

Field-normalised: 32 Semantic Scholar citations place it in the top 5% of Environmental Science papers from 2024 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	A global atlas and drivers of antimicrobial resistance in Salmonella during 1900-2023	Henan Agricultural University	China	—
2	Integrating whole-genome sequencing into antimicrobial resistance surveillance: methodologies, challenges, and perspectives	Kyoto University	Japan	—
3	Genomic census of invasive nontyphoidal Salmonella infections reveals global and local human-to-human transmission	Zhejiang University	China	—
4	ZnO-Cu/Mn nanozyme for rescuing the intestinal homeostasis in Salmonella-induced colitis	Sichuan Agricultural University, Sichuan Chelota Biotechnology Group Co., Ltd	China	Influential
5	Genomic insights into antibiotic-resistant non-typhoidal Salmonella isolates from outpatients in Minhang District in Shanghai	Fudan University	China	—
6	Comparative genomic and antimicrobial resistance profiles of Salmonella strains isolated from pork and human sources in Sichuan, China	Chengdu Centre for Disease Control and Prevention, Sichuan Entry-Exit Inspection and Quarantine Bureau,	China	—

No.	Citing paper	Citing institution(s)	Country	S2
		Sichuan Provincial Centre for Disease Control and Prevention		
7	Genomic surveillance of Salmonella enterica serotype Minnesota strains from poultry products imported into South Africa	Umeå University, University of Johannesburg, University of South Africa	South Africa, Sweden	—
8	Roles of SPI-2 T3SS effectors in virulence of Salmonella Choleraesuis and Construction of a triple-gene mutant vaccine strain	Hulunbuir Agricultural and Livestock Product Quality and Safety Center, Sichuan Agricultural University	China	—
9	Genomic surveillance of Salmonella enterica serotype Minnesota strains from Brazilian poultry products imported into South Africa	Umeå University, University of Johannesburg	South Africa, Sweden	—
10	Rethinking the fight against pig-related human salmonellosis in the European union	Centro de Investigación y Tecnología Agroalimentaria de Aragón, Teagasc, Universidad Católica de Córdoba	Argentina, Ireland, Spain	—
11	Identification and Antimicrobial Susceptibility of Serovar Choleraesuis in a Salmonella Outbreak in Central-Western Albania.	Agriculture University of Tirana, BIO-V Ltd, Regional Veterinary Service	Albania	—

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 is Influential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

FOLLOW-UP WORK

[Emergence of carbapenem-resistant XDR Salmonella enterica in pediatric patients in South China: a genomic perspective study](#)

2025 · International Journal of Antimicrobial Agents, 107589, 2025 · 3 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Carbapenem-resistant Salmonella Derby harboring a plasmid carrying blaNDM-1 from a clinical case in China	Children's Hospital Affiliated to Shandong University, Shandong Provincial Qianfoshan Hospital, The Affiliated Hospital of Qingdao University	China	—
2	First report on the biological characteristics of carbapenem-resistant Salmonella Thompson with blaCMY-2 production combined with OmpC and OmpF outer ...	Shandong Provincial Hospital Affiliated to Shandong First Medical University	China	—

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 is Influential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

FOLLOW-UP WORK

[Geographic containment and virulence-resistance trade-offs drive the evolution of hypervirulent Klebsiella pneumoniae](#)

No.	Citing paper	Citing institution(s)	Country	S2
1	Risk factors for invasive <i>Klebsiella pneumoniae</i> liver abscess syndrome: a meta-analysis	The First Hospital of Putian City	China	—
2	Aerobactin is a key driver of hypervirulent <i>Klebsiella pneumoniae</i> translocation and virulence	Emory University School of Medicine, University of North Carolina Chapel Hill, Wake Forest School of Medicine	United States	—
3	Global emergence, evolution and international dissemination of the ST145 <i>Klebsiella oxytoca</i> lineage	Zhengzhou University	China	—
4	Embracing the Dragon-Horse Spirit: Gratitude and forward momentum	ANGENOVO, Beijing Forestry University, China Academy of Chinese Medical Sciences	China, Netherlands, Norway	—
5	Genomic Insights Into Carbapenem-Resistant <i>Klebsiella pneumoniae</i> in Pediatric Bloodstream Infections in Zhejiang, China (2019–2024)	Children's Hospital, Zhejiang University School of Medicine, Zhejiang University School of Medicine	China	—
6	Molecular epidemiology of carbapenemase-carrying <i>Klebsiella pneumoniae</i> in China: Distribution of carbapenemase types, capsular serotypes, and virulence factors	The First Affiliated Hospital of Soochow University	China	—

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 identified a dominant multidrug-resistant *Acinetobacter baumannii* clade and analyzed how healthcare infrastructure shapes its evolutionary trade-offs and global dissemination.*

The researcher's core contribution centers on the 2025 paper 'Emergence and global spread of a dominant multidrug-resistant clade within *Acinetobacter baumannii*,' which established the identification of a specific, widespread resistant bacterial lineage. This foundational work was extended in 2026 by the follow-up study 'Healthcare Infrastructure Shapes Evolutionary Trade-offs and Geographic Dissemination of Multidrug-Resistant *Acinetobacter baumannii*,' suggesting a deeper investigation into the environmental and systemic drivers of this clade's spread.

This line of work appears to address the critical gap in understanding not just the existence of resistant strains, but the complex interplay between bacterial evolution and healthcare settings. By moving from identifying the clade to analyzing how infrastructure influences its geographic dissemination and evolutionary trade-offs, the researcher provides a nuanced framework for tracking and potentially mitigating the spread of multidrug-resistant pathogens.

The significance of this research is evidenced by the 40 citations of the core paper, with 92.5% of citing works originating from independent researchers. This high degree of independent uptake indicates that the findings have resonated broadly within the scientific community, validating the work's relevance to global efforts in combating antimicrobial resistance.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 15 · 1 flagged influential by Semantic Scholar

CORE PAPER

Emergence and global spread of a dominant multidrug-resistant clade within *Acinetobacter baumannii*

2025 · Nature Communications 16 (1), 2787, 2025 · 40 citations (GS)

Field-normalised: 34 Semantic Scholar citations place it in the top 1% of Medicine papers from 2025 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	Iron/Cobalt Dual-Atom Catalyst Orchestrate Photothermal-Chemodynamic Immunotherapy Against MRSA: Multi-Omics Dissection in Murine and Porcine Models	Peking University First Hospital, The First Affiliated Hospital of Wenzhou Medical University, Wenzhou Medical University	China	—
2	Comparative genomics of <i>Acinetobacter baumannii</i> from Egyptian healthcare settings reveals high-risk clones and resistance gene mobilization	Zewail City of Science and Technology	Egypt	—
3	Grid partitioning image analysis of highly aggregative bacterium <i>Acinetobacter</i> sp. Tol 5	Friend Microbe Inc., Nagoya University	Japan	—
4	Molten salt-assisted one-pot synthesis of Ag nanoparticles supported on clay minerals for enhanced antibacterial performance	Guangxi University of Science and Technology, the First Affiliated Hospital of Guangxi Medical University	China, People's Republic of China	—
5	Multidrug resistant <i>Acinetobacter baumannii</i> shows epidemiology and transmission patterns in a China tertiary hospital ICU	Shandong Agricultural University, The Affiliated People's Hospital of Shandong First Medical University, The Affiliated Tai'an City Central Hospital of Qingdao University	China	—
6	Development of LpxC Inhibitors Based on the Mechanism of Action of Colistin in <i>Acinetobacter baumannii</i>	Sungkyunkwan University, University of Southern California	South Korea, United States	—
7	Phage vB_AbaM_MU1 for biocontrol of carbapenem-resistant <i>Acinetobacter baumannii</i> (CRAB) isolated from wound infection	Ahram Canadian University, Mansoura University	Egypt	—
8	The therapeutic potential of phage pT2784 against ST40-KL47 type <i>Acinetobacter baumannii</i> and bacterial fitness trade-offs	Beijing University of Chemical Technology, Peking University Third Hospital	China	—
9	Emergence and regional evolution of <i>Klebsiella pneumoniae</i> carbapenemase (KPC)-producing <i>Klebsiella pneumoniae</i> ST11 in China	Shenzhen Hospital (Futian) of Guangzhou University of Chinese Medicine, Shenzhen Third People's Hospital, The University of Hong Kong	China	—
10	The evolution of the multidrug-resistant and globally distributed ST2 <i>Acinetobacter baumannii</i> in China	Chengdu Medical College, Sun Yat-sen University	China	Influential
11	Characterization of phage AbpL with a terminally redundant genome and its therapeutic potential against drug-resistant <i>Acinetobacter baumannii</i> infections	Army Medical University, Southwest University, The Second Affiliated Hospital of	China	—

No.	Citing paper	Citing institution(s)	Country	S2
		Chongqing Medical University		
12	Investigation and control of a suspected outbreak of carbapenem-resistant <i>Acinetobacter baumannii</i> nosocomial infections in the cardiovascular surgical ICU based ...	Huashan Hospital, Fudan University, Suzhou Center for Disease Control and Prevention, The First Affiliated Hospital of Soochow University	China	—
13	One Health genomics of <i>Acinetobacter baumannii</i> reveals sector-specific lineages and permeable ecological barriers	Université Claude Bernard Lyon 1	France	—
14	PREDOMINANCE OF COAGULASE-NEGATIVE STAPHYLOCOCCI AND ESCALATION OF GRAM-NEGATIVE RESISTANCE IN CEREBROSPINAL FLUID ...	AĞRI İBRAHİM ÇEÇEN ÜNİVERSİTESİ, Artuklu University, Mardin State Hospital	Turkey	—
15	Епидемиологично типизиране на нозокомиални карбапенем-резистентни изолати <i>Acinetobacter baumannii</i> чрез молекулярногенетични методи и техники ...	Медицински университет – София, Медицински университет – София; Софийски университет „Св. Климент Охридски“; София Тех Парк, Софийски университет "Св. Климент Охридски"	България	—

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 is Influential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

FOLLOW-UP WORK

[Healthcare Infrastructure Shapes Evolutionary Trade-offs and Geographic Dissemination of Multidrug-Resistant *Acinetobacter baumannii*](#)

2026 · bioRxiv, 2026.01. 06.697983, 2026 · 0 citations (GS)

No independent citing papers resolved for this paper in the current crawl.

Contribution 3

Claim – Contribution 3

*The researcher identified the resurgence of macrolide-resistant *Mycoplasma pneumoniae* epidemic clones in China and investigated post-pandemic microbiome interactions, establishing a critical framework for understanding evolving respiratory pathogen dynamics.*

The researcher's core contribution centers on documenting the resurgence of *Mycoplasma pneumoniae* driven by macrolide-resistant epidemic clones in China, as detailed in their 2024 publication. This work establishes a foundational understanding of how resistant strains are reshaping the epidemiological landscape of respiratory infections in the region.

This line of work appears to address the critical gap in understanding the drivers behind the re-emergence of specific pathogen clones. By subsequently examining how post-COVID-19 disruptions to the respiratory microbiome modulate *Mycoplasma pneumoniae* in a 2025 multi-center study, the researcher extends this inquiry to explore complex host-pathogen-environment interactions, suggesting a comprehensive approach to tracking evolving respiratory threats.

The significance of this research is evidenced by its substantial uptake within the scientific community. With 114 citations for the core paper and a high degree of independence among citing researchers, the work has clearly influenced independent investigations into respiratory microbiology and antimicrobial resistance, demonstrating broad relevance beyond the researcher's immediate circle.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 59 · 5 flagged influential by Semantic Scholar

CORE PAPER

Resurgence of *Mycoplasma pneumoniae* by macrolide-resistant epidemic clones in China

2024 · The Lancet Microbe 5 (6), e515, 2024 · 114 citations (GS)

Field-normalised: 87 Semantic Scholar citations place it in the top 1% of Medicine papers from 2024 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	Mycoplasma pneumoniae: not a typical respiratory pathogen	Cardiff Metropolitan University, University Children's Hospital Zurich	Switzerland, United Kingdom	—
2	Epidemic features and megagenomic analysis of childhood <i>Mycoplasma pneumoniae</i> post COVID-19 pandemic: a 6-year study in southern China	Guangzhou Children's Hospital, Guangzhou Women and Children's Medical Center, Guangzhou Medical University, Naval Medical University	China, Singapore	Background
3	Characterizing the epidemiology of <i>Mycoplasma pneumoniae</i> infections in China in 2022–2024: a nationwide cross-sectional study of over 1.6 million cases	Beijing Ditan Hospital, Capital Medical University, Chinese Center for Disease Control and Prevention, KingMed Diagnostics Group Co., Ltd	China	—
4	Large-scale outbreak of <i>Mycoplasma pneumoniae</i> infection, Marseille, France, 2023–2024	IHU–Méditerranée Infection	France	—
5	Epidemiological characteristics of <i>mycoplasma pneumoniae</i> in hospitalized children before, during, and after COVID-19 pandemic restrictions in Chongqing, China	Children's Hospital of Chongqing Medical University	China	Background
6	Childhood <i>Mycoplasma pneumoniae</i>: epidemiology and manifestation in Northeast and Inner Mongolia, China	Dalian Women and Children's Medical Center Group, Shengjing Hospital of China Medical University, The 2nd Affiliated Hospital of Harbin Medical University	China	Influential
7	Development and validation of an early diagnosis model for severe <i>mycoplasma pneumoniae</i> in children based on interpretable machine learning	Wuhan Children's Hospital (Wuhan Maternal and Child Healthcare Hospital), Tongji Medical College, Huazhong University of Science and Technology, Wuhan Children's Hospital (Wuhan Maternal and Child Healthcare Hospital), Tongji Medical	China	—

No.	Citing paper	Citing institution(s)	Country	S2
		College, Huazhong University of Science & Technology		
8	Immunological landscape of children with Mycoplasma pneumoniae pneumonia in the post-COVID-19 era reveals distinctive severity indicators	Children's Hospital of Fudan University	China	Influential
9	Epidemiological and clinical characteristics of hospitalized pediatric patients with Mycoplasma pneumoniae pneumonia before and after the COVID-19 pandemic in ...	Affiliated Hospital of Jiangsu University, Affiliated Hospital of Xuzhou Medical University, Fengxian County People's Hospital	China	—
10	An Outbreak of Human Adenovirus Infection Among Children Post COVID-19 Pandemic in Southern China	Guangzhou Medical University, Guangzhou Women and Children's Medical Center, Guangzhou Medical University	China	—
11	Epidemiological characteristics of acute respiratory infectious diseases in the first year after COVID-19 pandemic in Guangdong Province, China	Guangdong Provincial Center for Disease Control and Prevention	China	—
12	A randomized controlled non-inferiority trial of placebo versus macrolide antibiotics for Mycoplasma pneumoniae infection in children with community-acquired ...	Cantonal Hospital Graubünden, Cantonal Hospital Winterthur, Children's Hospital Aarau	Switzerland	Background
13	Application of peripheral blood routine parameters in the diagnosis of influenza and Mycoplasma pneumoniae	Guangdong Province Prevention and Treatment Center for Occupational Diseases, The First Affiliated Hospital, Sun Yat-sen University	China	Background
14	Re-emergence of Mycoplasma pneumoniae before and after COVID-19 pandemic in Germany	LADR GmbH MVZ Nordwest, University Hospital Schleswig-Holstein	Germany	—
15	Advances in adhesion-related pathogenesis in Mycoplasma pneumoniae infection	Children's Medical Center, The First Hospital of Jilin University, Jilin University, The First Hospital of Jilin University	China	—
16	Comparison of the epidemiological characteristics of mycoplasma pneumoniae infections among children during two epidemics in Wuhan from 2018 to 2024	Renmin Hospital of Wuhan University	China	—
17	Two-step wastewater surveillance reveals co-circulation of respiratory pathogens during the 2023–2024 influenza season in a low-resource setting	Nanchang Center for Disease Control and Prevention	China	—
18	Epidemiology and mortality risk of severe viral pneumonia during the pre-pandemic,	Shenzhen Children's Hospital Affiliated to China Medical University, The First Hospital	China	—

No.	Citing paper	Citing institution(s)	Country	S2
	COVID-19 pandemic and post-pandemic era: A retrospective study of hospitalized ...	Affiliated to Lanzhou University, The Seventh Affiliated Hospital of Sun Yat-sen University		
19	Proteomic characteristics of bronchoalveolar lavage fluid in children with mild and severe Mycoplasma pneumoniae pneumonia	Maternal and Child Health Hospital of Hubei Province, SpecAlly Life Technology Co., Ltd.	China	—
20	Comparative genomic analysis of Mycoplasma pneumoniae isolated in the United Kingdom, between 2016 and 2024	Cardiff Metropolitan University, Imperial College London, NHS England	United Kingdom	—
21	Synergistic impact of macrolide resistance and H3N2 infection on M. pneumoniae outbreak in children	Fudan University, Shanghai Children's Medical Center, Shanghai Jiao Tong University School of Medicine Affiliated Renji Hospital	China	—
22	Use peripheral blood leukocyte parameters combined with inflammatory indicators in diagnosis and severity assessment of mycoplasma pneumoniae pneumonia in ...	Gansu Provincial Maternity and Child-care Hospital, Gansu University of Chinese Medicine, Sysmex Shanghai Ltd	China	—
23	An association of Mycoplasma pneumonia with lung function and laboratory parameters	Children's Hospital of Nanjing Medical University	China	—
24	Epidemiological Changes in Mycoplasma pneumoniae Infections in Children and Adolescents Before and After COVID-19: A Systematic Review and Meta-Analysis	Chengdu University of Traditional Chinese Medicine, Hospital of Chengdu University of Traditional Chinese Medicine, West China Second University Hospital, Sichuan University	China	—
25	Serum vitamins and Mycoplasma pneumoniae pneumonia in children: a case-control study	Children's Hospital Affiliated to Zhengzhou University, Henan Children's Hospital	China	—
26	Whole-genome probe capture sequencing reveals genomic diversity and characteristics of Mycoplasma pneumoniae in Nanjing, China	Nanjing Center for Disease Control and Prevention	China	—
27	Population pharmacokinetics and exposure-response analysis of levofloxacin in Chinese pediatric patients with severe refractory Mycoplasma pneumoniae ...	Central South University, Children's Hospital Affiliated to Zhengzhou University	China	—
28	Clonal replacement by a P1-1/ST3 lineage in pediatric Mycoplasma pneumoniae, Jinan, China, 2021–2024	Chinese Center for Disease Control and Prevention, Neijiang Second People's Hospital, Shandong Center for Disease Control and Prevention	China	—
29	Efficacy and safety of doxycycline for severe Mycoplasma pneumoniae pneumonia in pediatric patients	Second Affiliated Hospital of Bengbu Medical University,	China	—

No.	Citing paper	Citing institution(s)	Country	S2
		The First Affiliated Hospital of Bengbu Medical University		
30	Surgical treatment intracardiac thrombosis and pulmonary embolism complication of Mycoplasma pneumoniae pneumonia: a case report	Children's Hospital of Nanjing Medical University	China	—

Showing the 30 most-cited of 58 independent citing papers.

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

[Post-COVID-19 disruption of the respiratory microbiome modulates Mycoplasma pneumoniae: a multi-center retrospective investigation study](#)

2025 · Emerging Microbes & Infections 14 (1), 2562053, 2025 · 4 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Clinical utility of the targeted next-generation sequencing for detection of Mycoplasma pneumoniae and antimicrobial resistance genes for adults	Guangzhou College of Commerce, Shenzhen Qianhai Shekou Free Trade Zone Hospital	China	—

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
Wenzhou Medical University	China	SCImago #1013	8
Children's Hospital, Zhejiang University School of Medicine	China	—	6
Soochow University	China	QS 801-850	6
Chinese Center for Disease Control and Prevention	China	—	4
Children's Hospital Affiliated to Zhengzhou University	China	—	4
Zhejiang University	China	SCImago #6 · THE 39 · QS 49	3
Beijing Children's Hospital, Capital Medical University	China	—	3
Shanghai Children's Medical Center	China	—	3
Johns Hopkins University	United States	SCImago #33 · THE 16 · QS 24	3
Meizhou People's Hospital	China	—	3

Institution	Country	World ranking	Citing papers
Shanghai Jiao Tong University School of Medicine	China	—	3
Henan Children's Hospital	China	—	3
Fudan University	China	SCImago #46 · THE 36 · QS 30	3
Hebei North University	China	SCImago #6724	2
University of Johannesburg	South Africa	SCImago #1635 · THE 351–400 · QS =308	2

Geographic distribution of citing authors

Country	Citing papers
China	126
United States	11
India	6
South Africa	4
Pakistan	4
France	3
Germany	3
Iran	3
Italy	3
South Korea	3
Japan	3
Egypt	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.

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	Centralized industrialization of pork in Europe and America contributes to the global spread of <i>Salmonella enterica</i>	19	8 CFR 204.5(h)(3)(v) – Criterion 5
Contribution 2	Emergence and global spread of a dominant multidrug-resistant clade within <i>Acinetobacter baumannii</i>	15	8 CFR 204.5(h)(3)(v) – Criterion 5
Contribution 3	Resurgence of <i>Mycoplasma pneumonia</i> by macrolide-resistant epidemic clones in China	59	8 CFR 204.5(h)(3)(v) – Criterion 5