

# Analysis Report: Artificial Intelligence for Automotive Fault Diagnosis:

Generated on Thursday, February 12, 2026

## RefScore Index

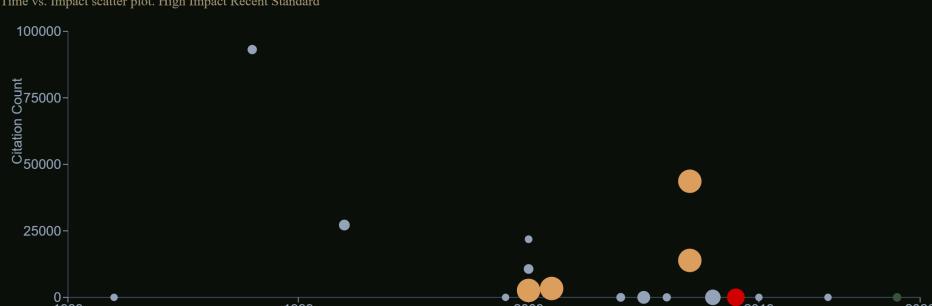


17 Total Citations

Avg Age  
15y  
Average Reference Age

## Reference Impact Analysis

Time vs. Impact scatter plot. High Impact Recent Standard



## Dimension Breakdown

### Alignment

3.95/100

Measures how well the reference supports the specific claim it is citing.

### Numbers

60.98/100

Evaluates the presence and precision of quantitative data in the reference.

### Entities

34.43/100

Checks for named entity recognition and relevance to the domain.

### Methods

52.62/100

Assesses the clarity and robustness of the methodology described.

### Recency

57.54/100

Scores the reference based on its publication date relative to the current year.

### Authority

71.80/100

Indicators of the venue's or author's impact and reputation.

## Reference Analysis

17 References

ID	Title / Author	Year	Score	Status
Bosch1991	CAN Specification Version 2.0 (Robert Bosch GmbH)	1991	33.50	OK
Chandola2009	Anomaly Detection: A Survey Chandola, Varun, Banerjee, Arindam, Kumar, Vipin	2009	48.55	Good
Devlin2019	{BERT Devlin, Jacob, Chang, Ming-Wei, Lee, Kenton, Toutanova, Kristina	2019	35.50	OK
Friedman2001	Greedy Function Approximation: A Gradient Boosting Machine Friedman, Jerome H.	2001	38.73	OK
Guo2017	On Calibration of Modern Neural Networks Guo, Chuan, Pleiss, Geoff, Sun, Yu, Weinberger, Kilian Q.	2017	45.13	Good
Hastie2009	The Elements of Statistical Learning: Data Mining, Inference, and Prediction Hastie, Trevor, Tibshirani, Robert, Friedman, Jerome	2009	39.09	OK
Hochreiter1997	Long Short-Term Memory Hochreiter, Sepp, Schmidhuber, J{"u}	1997	45.20	Good
ISO14229	ISO 14229-1:2013 Road vehicles --- Unified diagnostic services (UDS) --- Part 1: Specification and requirements Unknown	2013	38.80	OK
ISO15031	ISO 15031-5:2015 Road vehicles --- Communication between vehicle and external equipment for emissions-related diagnostics --- Part 5: Emissions-related diagnostic services Unknown	2015	34.94	OK
Kingma2014	Auto-Encoding Variational Bayes Kingma, Diederik P., Welling, Max	2014	29.23	OK
Manning2008	Introduction to Information Retrieval Manning, Christopher D., Raghavan, Prabhakar, Schütze	2008	33.50	OK
Molnar2022	Interpretable Machine Learning Moln{\'a}r, Anna	2022	38.00	OK
Pearl2009	Causality: Models, Reasoning, and Inference Pearl, Judea	2009	35.38	OK
QuiñoneroCandela2009	Dataset Shift in Machine Learning Quiñonero-Candela, Joaqu{\'i}n, Lawrence, Neil, Grainger, James, Shawe-Taylor, John, Weston, Jason	2009	33.50	OK
Ruff2018	Deep One-Class Classification Ruff, Lukas, Vandermeulen, Robert, G{\'e}rard	2018	48.95	Good
SAEJ1979	SAE J1979: E/E Diagnostic Test Modes Unknown	2025	41.91	Good
Vaswani2017	Attention Is All You Need Vaswani, Ashish, Shazeer, Noam, Parmar, Niki, Uszkoreit, Jakob, Jones, Llion, Chen, Aidan, Durrett, Łukasz, Krikau, Łukasz, Edouard, Bryson, Łukasz, Ziegler, Łukasz, Ghazvininezhad, Łukasz, et al.	2017	25.50	OK

## Executive Summary

Analyzed 169 sentences against 32 references. Overall alignment score: 38.59/100.



## Detected Gaps

1

Gap detected via "limited" in: "Transformer encoders are widely used for text embe..."

2

Gap detected via "limited" in: "In practice, causal modelling is limited by the di..."



## Next Steps



- Review references flagged as "Weak" for potential replacement.
- Address the 2 detected argumentation gaps.

Ensure high-impact claims have recent citations (last 5 years).



## Smart Suggestions

"Transformer encoders are widely used for text embeddings \parencite{Devlin2019}, but retrieval often..."

Tran, Cao et al. 2022

Thomaz, Tavares et al. 2021

Chunhui Zhao et al. 2023

"In practice, causal modelling is limited by the difficulty of obtaining clean intervention data at s..."

Daniel Goldstein et al. 2021

et al. 2007

Baum, E., Denecke et al. 1996