

Threats to Validity

deviation of stated primary sources and extracted ones

TABLE II
OVERVIEW OF LITERATURE STUDIES ON THE CONTINUOUS DEVELOPMENT OF AI (TYPE: *ArXiv, Conference, Journal, TechRxiv, Workshop*; METHOD: *Multivocal Literature Review, Systematic Literature Review, Gray Literature Review, Systematic Mapping Study*; EMPIRICAL STANDARDS: $\sim$ < 50% OR $\checkmark \geq 50\%$ fulfilled; TOPICS OTHERS: *Architecture, Definition, Maturity Model, Triggers, Roles/Team, Requirements*)

Paper	Publication			# Sources			End data collection	Empirical standards	Topics							
	Date	Type	Method	White	Gray	Total			Pipeline	Challenges	SE for AI	Tools	Setting	Demography	Others	
Faubel et al. [8]	10.2023	J	SLR	69	0	69	05.2022	$\checkmark$	•	•	•	•	•		D,M,T	
Diaz-de-Arcaya et al. [6]	10.2023	J	SLR	93	0	93	2023	$\checkmark$		•		•	•	•	A	
Lakha et al. [28]	08.2023	C	SLR	37	0	37	11.2021	$\checkmark$		•			•			
Heiland et al. [18]	07.2023	A	MLR	35	16	51	2022	$\checkmark$			•					
Alves et al. [1]	07.2023	J	MLR	37	93	130	12.2021	$\checkmark$			•					
Steidl et al. [53]	05.2023	J	MLR	79	72	151	06.2021	$\checkmark$	•	•	•	•			D,T	
Moreschini et al. [39]	04.2023	A	MLR	51	203	254	11.2022	$\checkmark$				•				
Kreuzberger et al. [26]	03.2023	J	SLR	27	0	27	05.2021	$\sim$	•		•	•			D,A,R	
Schlegel et al. [47]	01.2023	J	MLR	-	-	-	05.2022	$\sim$				•				
Kumara et al. [27]	11.2022	T	GLR	0	58	58	03.2022	$\sim$	•						R,A,Re	
Lu et al. [34]	09.2022	A	MLR	205	69	274	07.2022	$\checkmark$			•					
Recupito et al. [46]	09.2022	C	MLR	6	54	60	05.2020	$\checkmark$				•				
Shivashankar et al. [50]	09.2022	C	SLR	56	0	56	01.2022	$\checkmark$	•	•						
Barrak et al. [3]	09.2022	J	SMS	53	0	53	06.2022	$\checkmark$		•		•	•	•		
Mboweni et al. [38]	07.2022	C	SLR	60	0	60	2022	$\sim$							D	
Testi et al. [56]	06.2022	J	SLR	-	-	-	2022	$\sim$	•	•		•				
Kolltveit et al. [25]	05.2022	W	SLR	24	0	24	09.2021	$\checkmark$		•		•	•			
Lakshman et al. [29]	05.2022	W	MLR	-	-	33	2021	$\sim$	•		•		•			
Lima et al. [30]	04.2022	C	SLR	30	0	30	07.2021	$\checkmark$		•	•	•		•	M,R	
Martinez-F. et al. [37]	04.2022	J	SMS	-	-	248	03.2020	$\checkmark$		•	•	•		•		
Serban et al. [49]	03.2022	C	MLR	-	-	42	01.2022	$\checkmark$	•	•						
Warnett et al. [59]	03.2022	C	GLR	0	35	35	-	$\checkmark$			•				T	
Warnett et al. [60]	03.2022	J	GLR	0	29	29	-	$\sim$			•					
Lorenzoni et al. [33]	11.2021	A	MLR	23	10	33	06.2020	$\sim$	•		•					
Giray [13]	10.2021	J	SLR	141	0	141	12.2019	$\checkmark$		•	•			•		
John et al. [22]	09.2021	C	MLR	6	15	21	03.2021	$\checkmark$	•						M,R	
Lo et al. [32]	05.2021	J	MLR	-	-	231	12.2019	$\checkmark$	•							
Xie et al. [61]	05.2021	W	SMS	-	-	405	07.2020	$\checkmark$	•					•		
John et al. [21]	01.2021	C	MLR	13	6	19	08.2020	$\sim$	•	•	•		•			
Nascimento et al. [41]	11.2020	A	SLR	55	0	55	2019	$\checkmark$		•	•	•		•		
Figalist et al. [9]	11.2020	C	SLR	-	-	-	-	$\sim$	•				•			
Lwakatare et al. [35]	11.2020	C	MLR	3	6	9	-	$\sim$		•					M	
Lwakatare et al. [36]	07.2020	J	SLR	72	0	72	-	$\checkmark$		•	•		•			

Yellow indicates a deviation of stated primary sources and the extracted amount of primary sources and green identifies that the same amount of primary sources as stated in the literature reviews is extracted. For the extracted amount of primary sources please refer to the folder in Zenodo: SLRForSLR-data-includedSources - RQ3_all primary sources.csv where “x” marks that the literature review uses this primary source.

If you need further information on the reason for the deviation of stated primary sources, please contact one of the authors.