Latifi et al, Health Promotion Perspectives 2026;16(3): 396-S1
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Supplementary file S1. Detailed search strategy

(((TI=(artificial intelligence)) OR TI=(Computational Intelligence)) OR TI=(Machine Intelligence)) OR TI=(Deep learning)) OR TI=(deep learn)) OR TI=(Convolutional Neural Network)) OR TI=(DL)) OR TI=(CNN)) OR TI=(artificial neural network)) OR TI=(machine learn)) OR TI=(machine learning)) OR TI=(thinking computer system)) OR TI=(fuzzy expert system)) OR TI=(evolutionary computation)) OR TI=(hybrid intelligent system)) OR TI=(adversarial generative)) OR TI=(active learning)) OR TI=(Bayes network)) OR TI=(Cellular Neural Network)) OR TI=(continual learning)) OR TI=(contrastive learning)) OR TI=(deep network)) OR TI=(deep neural network)) OR TI=(data mine)) OR TI=(data mining)) OR TI=(domain adaptation)) OR TI=(expert system)) OR TI=(feature extraction)) OR TI=(feature mining)) OR TI=(feature embedding)) OR TI=(few-shot learning)) OR TI=(feature selection)) OR TI=(graph learning)) OR TI=(graph mining)) OR TI=(intelligent learning)) OR TI=(instance segmentation)) OR TI=(image segmentation)) OR TI=(knowledge graph)) OR TI=(meta learning)) OR TI=(metric learning)) OR TI=(neural nets model)) OR TI=(neural network)) OR TI=(neural learning)) OR TI=(reinforcement learning)) OR TI=(Semantic segmentation)) OR TI=(supervised learning)) OR TI=(semi-supervised)) OR TI=(transfer learning)) OR TI=(unsupervised clustering)) OR TI=(convolution neural network)) OR TI=(random forest)) OR TI=(support vector machine)) OR TI=(fuzzy logic)) OR TI=(computer vision)) OR TI=(automatic programming)) OR TI=(speech understanding)) OR TI=(autonomous robots)) OR TI=(intelligent tutoring)) OR TI=(intelligent agents)) OR TI=(voice recognition)) OR TI=(text mining)) OR TI=(data science)) OR TI=(Big data)) OR TI=(Natural Language Processing)) OR TI=(Unsupervised Learning) AND ((((((((((((((((((((((TI=(breast tumor)) OR TI=(breast cancer)) OR TI=(breast carcinoma)) OR TI=(benign breast neoplasms)) OR TI=(breast malignancy)) OR TI=(malignant breast neoplasms)) OR TI=(breast neoplasia neoplasm)) OR TI=(breast neoplasms)) OR TI=(breast benign)) OR TI=(breast tumors)) OR TI=(breast neoplasm)) OR TI=(breast cancer detect)) OR TI=(breast cancer diagnosis)) OR TI=(breast tumour)) OR TI=(breast adenocarcinoma)) OR TI=(breast sarcoma)) OR TI=(breast

lymphoma)) OR TI=(breast malignant)) OR TI=(breast oncology)) OR TI=(breast metastasis)) OR TI=(breast oncogene)) OR TI=(breast chemotherapy)) OR TI=(breast metastatic)

Supplementary Table S1. Top 10 Prestigious Publishers in the field of **AI in Breast Cancer**

Publisher	NP	% Pub
Springer Nature	506	17.24
Elsevier	505	17.20
Mdpi	355	12.09
Wiley	176	5.99
Frontiers Media Sa	153	5.21
IEEE	137	4.66
Nature Portfolio	131	4.46
Hindawi Publishing Group	78	2.65
Taylor & Francis	64	2.18
Public Library Science	49	1.67

NP: Number of Publication; Pub: Publication

Supplementary Table S2. Top 10 Journals in the field of **AI in Breast Cancer**

Title	TNP	JIF (2023)	Region	JCR Category
Scientific Reports	103	3.8	England	Multidisciplinary Sciences
IEEE Access	86	3.4	USA	Telecommunications Computer Science, Information Systems Engineering, Electrical & Electronic
Cancers	78	4.5	Switzerland	Oncology
Diagnostics	78	3	Switzerland	Medicine, General & Internal
Frontiers in Oncology	76	3	Switzerland	Oncology

Biomedical Signal Processing And Control	68	4.9	England	Engineering, Biomedical
Multimedia Tools and Applications	50	3	Netherlands	Computer Science, Theory & Methods Computer Science, Software Engineering Computer Science, Information Systems Engineering, Electrical & Electronic
PLOS ONE	48	2.9	USA	Multidisciplinary Sciences
Computers in Biology and Medicine	42	7	USA	Computer Science, Interdisciplinary Applications Biology Mathematical & Computational Biology Engineering, Biomedical
Applied Sciences Basel	37	2.5	Switzerland	Engineering, Multidisciplinary Chemistry, Multidisciplinary Physics, Applied Materials Science, Multidisciplinary

TNP: Top Number Publication; JIF: Top Journal Impact Factor; JCR: Journal Citation Reports

Supplementary Table S3. Number of open-access journals in the field of AI in Breast Cancer, 2014-2024

Open Access	**Count**	**% of 2,935**
All Open Access	1827	62.24
Gold	1360	46.33
Gold-Hybrid	218	7.42
Free to Read	87	2.96

Green Published	1106	37.68
Green Accepted	95	3.23

Supplementary Table S4. Top 10 Authors'institutions (Affiliation), and Web of Science categories AI in Breast Cancer

Institutions (*n* =10)	**% of 2945**	**(%)**
Egyptian Knowledge Bank EKB	93	3.16
Chinese Academy Of Sciences	62	2.11
National Institute Of Technology Nit System	58	1.97
Fudan University	45	1.53
Harvard University	43	1.46
Sun Yat Sen University	43	1.46
University Of California System	43	1.46
Vellore Institute Of Technology Vit	40	1.36
University Of Texas System	38	1.29
Princess Nourah Bint Abdulrahman University	37	1.26
Web of science categories (n = …..)		
Oncology	507	17.27
Radiology Nuclear Medicine Medical Imaging	386	13.15
Engineering Electrical Electronic	351	11.95
Computer Science Artificial Intelligence	299	10.18
Engineering Biomedical	294	10.01
Computer Science Information Systems	281	9.57
Multidisciplinary Sciences	210	7.15
Computer Science Interdisciplinary Applications	208	7.08
Computer Science Theory Methods	177	6.03
Mathematical Computational Biology	174	5.92