

附录

英文缩写与全称对照表

缩写	全称	缩写	全称
A ² INET	Adaptive artificial immune network	IDRI	The infectious disease research institute
ACS	American cancer society	JSRT	Japanese society of radiological technology
AFE	Autofluorescence endoscopy	kNN	K-Nearest neighbor
ANN	Artificial neural network	LDA	Linear discriminant analysis
AUC	Area under curve	LI	Location index
bCT	Breast computed tomography	LIDC	Lung image database consortium
BFGS	Broyden-fletcher-goldfarb-shanno	LISS	Lung ct imaging signs
BPNN	Back propagation neural network	LVQ	Learning vector quantization
CADe	Computer-Aided detection	MFFNN	Multi-Layer feed forward neural network
CADx	Computer-Aided diagnosis	MIAS	The mammographic image analysis society
CBIR	Content-Based image retrieval	MLO	Medio lateral-oblique
CC	Craniocaudal	MLP	Multilayer preceptor
CFS	Correlation-Based feature subset selection for machine learning	MR	Magnetic resonance
CLAHE	Contrast limited adaptive histogram equalization	MRI	Magnetic resonance imaging
CNN	Convolutional neural network	MTANN	Massive-Training artificial neuralnetwork
CRC	Colorectal cancer	MTB	Mycobacterium tuberculosis
CT	Computerized tomography	NC	Nearest centroid
CTC	Ct colonography	NCIA	National cancer image archive
CV	Chan-Vese	NN	Neural network
CXR	Chest X radiograph	OC	Optical colonoscopy
DBN	Deep belief network	PACS	Picture archiving and communication systems
DDSM	The digital database for screening mammography	PCA	Principal component analysis
ELCAP	The end-use load and consumer assessment program	PNN	Probabilistic neural network
ELM	Extreme learning machine	PPV	Positive predictive value
ESN	Echo state network	RF	Random forest
FCM	Fuzzy c-means	RFNC	Relief-f non-correlated
FDR	Fisher linear discriminant ratio	RIF	Resistance to Rifampicin
FFNN	Feed-Forward neural network	ROC	Receiver operating characteristic
FFT	Fast fourier transform	ROI	Regions of interest
FLD	Fisher linear decriminant	RRF	Rocchio relevance feedback algorithm
FLDA	Fisher discriminant analysis	SCLGM	Square centroid lines gray level distribution method
FP	False positive	SDAE	Stacked denoising autoencoder
FPR	False positive rate	SFS	Sequential forward selection
FROC	Free-Response roc curve	SVM	Support vector machine
GA	Genetic algorithm	TCIA	The cancer imaging archive
GGO	Ground-glass opacity	TNR	True negative tate
GMM	Gaussian mixture model	TPR	True positive rate
GLCM	Gray-Level co-occurrence matrix	VOI	Volume of intrest
GLRLM	Gray level run length matrix	wkNN	Weighted knn



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