

List of selected papers

Tab. 1 lists all the papers included in this SLR, together with the year of publication, group they belong to, case study, and nature of the task (classification or forecasting).

Table 1: List of the selected papers, with year, group they belong to, case study, and nature of the task.

Ref.	Year	Group	Case study	Task
[454]	2020	Energy	Wind power	Forecasting
[250]	2021	Energy	Electric load	Forecasting
[129]	2022	Energy	Wind power	Forecasting
[343]	2022	Energy	Photovoltaic power	Forecasting
[344]	2022	Energy	Photovoltaic power	Forecasting
[499]	2022	Energy	Power system transient dynamics	Forecasting
[144]	2022	Energy	Urban energy consumption	Forecasting
[211]	2022	Energy	Wind power	Forecasting
[397]	2023	Energy	Heat load	Forecasting
[478]	2023	Energy	Electricity load	Forecasting
[390]	2023	Energy	Residential load	Forecasting
[90]	2023	Energy	Electricity load	Forecasting
[310]	2023	Energy	Solar power	Forecasting
[431]	2024	Energy	Wind power	Forecasting
[446]	2024	Energy	Wind power	Forecasting
[521]	2024	Energy	Air conditioning control	Forecasting
[145]	2024	Energy	Air conditioning control	Forecasting
[316]	2024	Energy	Electrical demand and prices	Forecasting
[101]	2024	Energy	Electric load	Forecasting
[472]	2024	Energy	Electric load	Forecasting
[259]	2024	Energy	Chiller energy consumption	Forecasting
[282]	2024	Energy	Electricity demand	Forecasting
[158]	2024	Energy	Electric power anomaly detection	Classification
[317]	2024	Energy	Electricity demand	Forecasting
[153]	2024	Energy	Electricity consumption	Forecasting
[17]	2024	Energy	District heating networks	Forecasting
[23]	2024	Energy	Power quality disturbances	Classification
[84]	2024	Energy	Residential load	Forecasting
[369]	2024	Energy	Photovoltaic energy	Forecasting
[491]	2024	Energy	Electric vehicle charging stations	Forecasting
[308]	2024	Energy	Natural gas consumption	Forecasting
[457]	2024	Energy	Networked microgrids	Forecasting
[312]	2024	Energy	Multivariate time series	Forecasting
[99]	2021	Environment	Wind speed	Forecasting
[354]	2021	Environment	Sea temperature	Forecasting
[39]	2022	Environment	Water temperature and stream flow	Forecasting
[303]	2022	Environment	PM 2.5 concentration	Forecasting
[251]	2022	Environment	Frost	Both
[384]	2022	Environment	Sea temperature	Forecasting
[4]	2023	Environment	Soil Moisture	Forecasting

[38]	2023	Environment	Air quality index	Forecasting
[261]	2023	Environment	PM 2.5 concentration	Forecasting
[350]	2023	Environment	PM 2.5 concentration	Forecasting
[218]	2023	Environment	PM 2.5 concentration	Forecasting
[69]	2023	Environment	Air quality index	Forecasting
[286]	2023	Environment	PM 2.5 concentration	Forecasting
[179]	2023	Environment	PM 2.5 concentration	Forecasting
[429]	2023	Environment	Sea temperature	Forecasting
[10]	2023	Environment	Wind speed	Forecasting
[205]	2023	Environment	Water quality	Forecasting
[319]	2023	Environment	Wind speed	Forecasting
[493]	2023	Environment	Significant wave height	Forecasting
[181]	2023	Environment	Sea temperature	Forecasting
[11]	2023	Environment	Wind speed	Forecasting
[297]	2023	Environment	Sea temperature	Forecasting
[95]	2023	Environment	Sea temperature	Forecasting
[9]	2023	Environment	Groundwater level	Forecasting
[94]	2023	Environment	Wind speed	Forecasting
[304]	2023	Environment	Rainfall	Forecasting
[70]	2023	Environment	Wind speed	Forecasting
[338]	2023	Environment	Sea temperature	Forecasting
[130]	2024	Environment	Weather	Forecasting
[242]	2024	Environment	PM2.5 prediction	Forecasting
[224]	2024	Environment	Sea clutter	Forecasting
[180]	2024	Environment	Plankton dynamics	Forecasting
[359]	2024	Environment	Groundwater data	Forecasting
[103]	2024	Environment	Carbon emission	Forecasting
[318]	2024	Environment	PM2.5 prediction	Forecasting
[408]	2024	Environment	Water demand	Forecasting
[409]	2024	Environment	Water quality and flow rate	Forecasting
[329]	2024	Environment	Weather	Forecasting
[263]	2024	Environment	Wind speed scenario	Forecasting
[42]	2024	Environment	Air quality	Forecasting
[395]	2024	Environment	Temperature	Forecasting
[418]	2024	Environment	Air quality	Forecasting
[16]	2024	Environment	Greenhouse gas concentrations	Forecasting
[336]	2022	Finance	Energy markets	Forecasting
[421]	2022	Finance	Stock prices	Classification
[148]	2022	Finance	Stock prediction	Classification
[220]	2022	Finance	Investment prediction	Forecasting
[50]	2022	Finance	Financial prediction	Classification
[300]	2023	Finance	Stock prediction	Classification
[363]	2023	Finance	Stock prediction	Classification
[383]	2023	Finance	Stock prediction	Classification
[355]	2023	Finance	Stock prediction	Classification
[155]	2023	Finance	Trading	Classification
[436]	2023	Finance	Sale prediction	Forecasting
[290]	2024	Finance	Supply chain demand	Forecasting

[201]	2024	Finance	Stock market volatility	Forecasting
[34]	2024	Finance	Stock trend	Classification
[65]	2020	Health	Epidemics	Forecasting
[327]	2021	Health	Covid 19 severity	Forecasting
[504]	2021	Health	Epidemics	Forecasting
[284]	2021	Health	Epidemic prediction	Forecasting
[35]	2022	Health	Epilepsy diagnosis	Classification
[157]	2022	Health	Epidemics	Forecasting
[276]	2022	Health	Epidemics	Forecasting
[230]	2022	Health	Epidemic prediction	Forecasting
[291]	2022	Health	Epidemic prediction	Forecasting
[22]	2023	Health	Epilepsy diagnosis	Classification
[376]	2023	Health	Sleep stage and emotion recognition	Classification
[375]	2023	Health	Epilepsy diagnosis	Classification
[475]	2023	Health	Epidemic prediction	Forecasting
[456]	2023	Health	Epidemic prediction	Forecasting
[489]	2023	Health	Disease diagnosis	Classification
[426]	2023	Health	Clinical risk classification	Classification
[264]	2024	Health	Infectious disease	Forecasting
[517]	2024	Health	EEG emotion recognition	Classification
[116]	2024	Health	EEG emotion recognition	Classification
[437]	2024	Health	Epidemic	Forecasting
[518]	2024	Health	Epidemic	Forecasting
[279]	2024	Health	Epidemic	Forecasting
[183]	2024	Health	Epidemic	Forecasting
[131]	2020	Mobility	E-Scooter distribution	Forecasting
[132]	2020	Mobility	Bike sharing	Forecasting
[385]	2020	Mobility	Urban traffic	Forecasting
[7]	2020	Mobility	Urban traffic	Forecasting
[30]	2020	Mobility	Urban traffic	Forecasting
[487]	2020	Mobility	Urban traffic	Forecasting
[269]	2020	Mobility	Urban traffic	Forecasting
[301]	2020	Mobility	Urban traffic	Forecasting
[294]	2020	Mobility	Metro flow	Forecasting
[423]	2020	Mobility	Urban traffic	Forecasting
[36]	2020	Mobility	Urban traffic	Forecasting
[124]	2021	Mobility	Urban traffic	Forecasting
[80]	2021	Mobility	Urban traffic	Forecasting
[217]	2021	Mobility	Urban traffic	Forecasting
[214]	2021	Mobility	Urban traffic	Forecasting
[420]	2021	Mobility	Crowd flow	Forecasting
[394]	2021	Mobility	Passenger demand	Forecasting
[296]	2021	Mobility	Urban traffic	Forecasting
[334]	2022	Mobility	Multivariate time series	Forecasting
[270]	2022	Mobility	Urban traffic	Forecasting
[335]	2022	Mobility	Urban traffic	Forecasting
[199]	2022	Mobility	Urban traffic	Forecasting
[253]	2022	Mobility	Multivariate time series	Forecasting

[82]	2022	Mobility	Urban traffic	Forecasting
[208]	2022	Mobility	Urban traffic	Forecasting
[362]	2022	Mobility	Urban traffic	Forecasting
[313]	2022	Mobility	Urban traffic	Forecasting
[268]	2022	Mobility	Urban traffic	Forecasting
[206]	2022	Mobility	Crowd flow	Forecasting
[215]	2022	Mobility	Urban traffic	Forecasting
[481]	2022	Mobility	Connected Internet of vehicles traffic	Forecasting
[245]	2022	Mobility	Taxi demand	Forecasting
[482]	2022	Mobility	Urban traffic	Forecasting
[497]	2022	Mobility	Metro passengers	Forecasting
[177]	2022	Mobility	Urban traffic	Forecasting
[272]	2022	Mobility	Urban traffic	Forecasting
[21]	2022	Mobility	Urban traffic	Forecasting
[24]	2022	Mobility	Flight delay	Forecasting
[109]	2022	Mobility	Urban traffic	Forecasting
[26]	2022	Mobility	Urban traffic	Forecasting
[68]	2022	Mobility	Bicycle demand	Forecasting
[165]	2022	Mobility	Urban traffic	Forecasting
[174]	2023	Mobility	Urban traffic	Forecasting
[77]	2023	Mobility	Urban traffic	Forecasting
[514]	2023	Mobility	Urban traffic	Forecasting
[119]	2023	Mobility	Urban traffic	Forecasting
[76]	2023	Mobility	Multivariate time series	Forecasting
[414]	2023	Mobility	Urban traffic	Forecasting
[379]	2023	Mobility	Urban traffic (congestion)	Forecasting
[120]	2023	Mobility	Visitation patterns	Forecasting
[209]	2023	Mobility	Urban traffic (congestion)	Classification
[275]	2023	Mobility	Urban traffic	Forecasting
[142]	2023	Mobility	Urban traffic	Forecasting
[403]	2023	Mobility	Urban traffic	Forecasting
[59]	2023	Mobility	Urban traffic	Forecasting
[213]	2023	Mobility	Urban traffic	Forecasting
[207]	2023	Mobility	Urban traffic	Forecasting
[257]	2023	Mobility	Urban traffic	Forecasting
[256]	2023	Mobility	Urban traffic	Forecasting
[169]	2023	Mobility	Urban traffic	Forecasting
[212]	2023	Mobility	Urban traffic	Forecasting
[196]	2023	Mobility	Urban traffic	Forecasting
[194]	2023	Mobility	Urban traffic	Forecasting
[240]	2023	Mobility	Bike sharing demand	Forecasting
[430]	2023	Mobility	Urban traffic	Forecasting
[117]	2023	Mobility	Urban traffic	Forecasting
[108]	2023	Mobility	Urban traffic	Forecasting
[501]	2023	Mobility	Urban traffic	Forecasting
[66]	2023	Mobility	Urban traffic	Forecasting
[167]	2024	Mobility	Multivariate time series	Forecasting
[485]	2024	Mobility	Urban traffic	Forecasting

[141]	2024	Mobility	Multivariate time series	Forecasting
[92]	2024	Mobility	Urban traffic	Forecasting
[520]	2024	Mobility	Urban traffic	Forecasting
[60]	2024	Mobility	Urban traffic	Forecasting
[513]	2024	Mobility	Urban traffic	Forecasting
[455]	2024	Mobility	Urban traffic	Forecasting
[222]	2024	Mobility	Multivariate time series	Forecasting
[29]	2024	Mobility	Multivariate time series	Forecasting
[160]	2024	Mobility	Urban traffic	Forecasting
[156]	2024	Mobility	Urban traffic	Forecasting
[377]	2024	Mobility	Metro flow traffic	Forecasting
[460]	2024	Mobility	Urban traffic	Forecasting
[399]	2024	Mobility	Urban traffic	Forecasting
[305]	2024	Mobility	Network traffic volume	Forecasting
[12]	2024	Mobility	Traffic speed	Forecasting
[195]	2024	Mobility	Traffic speed	Forecasting
[323]	2024	Mobility	Urban traffic	Forecasting
[345]	2024	Mobility	Urban traffic	Forecasting
[237]	2024	Mobility	Urban traffic	Forecasting
[412]	2024	Mobility	Airport performances	Forecasting
[500]	2024	Mobility	Urban traffic	Forecasting
[398]	2024	Mobility	Urban traffic	Forecasting
[341]	2024	Mobility	Urban traffic	Forecasting
[370]	2024	Mobility	Urban traffic	Forecasting
[411]	2024	Mobility	Flight delay prediction	Forecasting
[204]	2024	Mobility	Traffic speed	Forecasting
[244]	2024	Mobility	Urban traffic	Forecasting
[86]	2024	Mobility	Bike sharing demand	Forecasting
[123]	2024	Mobility	Urban traffic	Forecasting
[380]	2024	Mobility	Urban traffic	Forecasting
[78]	2024	Mobility	Urban traffic	Forecasting
[189]	2024	Mobility	Bus stop mobility pattern	Forecasting
[203]	2021	Predictive monitoring	Fault diagnosis	Classification
[285]	2021	Predictive monitoring	Remaining useful life	Forecasting
[125]	2022	Predictive monitoring	Multivariate time series	Forecasting
[216]	2022	Predictive monitoring	Anomaly detection (sensors)	Classification
[433]	2022	Predictive monitoring	Remaining useful life)	Forecasting
[191]	2022	Predictive monitoring	Remaining useful life	Forecasting
[200]	2023	Predictive monitoring	Anomaly detection	Classification
[81]	2023	Predictive monitoring	Anomaly detection	Classification
[136]	2023	Predictive monitoring	Anomaly detection	Classification
[221]	2023	Predictive monitoring	Anomaly detection	Forecasting
[366]	2023	Predictive monitoring	Fault diagnosis (PV systems)	Classification
[458]	2023	Predictive monitoring	Fault diagnosis	Classification
[470]	2023	Predictive monitoring	Fault diagnosis	Classification
[289]	2023	Predictive monitoring	Fault diagnosis	Classification
[488]	2023	Predictive monitoring	Fault prediction	Forecasting
[392]	2023	Predictive monitoring	Remaining useful life	Forecasting

[43]	2023	Predictive monitoring	Remaining useful life	Forecasting
[374]	2023	Predictive monitoring	Remaining useful life	Forecasting
[400]	2023	Predictive monitoring	Remaining useful life	Forecasting
[202]	2023	Predictive monitoring	Fault diagnosis	Classification
[75]	2024	Predictive monitoring	Photovoltaic Degradation Analysis	Forecasting
[266]	2024	Predictive monitoring	Anomaly detection	Classification
[277]	2024	Predictive monitoring	Anomaly detection	Classification
[234]	2024	Predictive monitoring	Anomaly detection	Classification
[28]	2024	Predictive monitoring	Motor temperature	Forecasting
[192]	2024	Predictive monitoring	Fault diagnosis and detection	Classification
[83]	2024	Predictive monitoring	Root cause localization	Forecasting
[381]	2024	Predictive monitoring	Fault diagnosis	Classification
[93]	2024	Predictive monitoring	Outlier detection	Classification
[505]	2024	Predictive monitoring	Anomaly detection	Classification
[480]	2024	Predictive monitoring	Remaining useful life	Forecasting
[243]	2024	Predictive monitoring	Anomaly detection	Classification
[219]	2024	Predictive monitoring	Sensor data	Forecasting
[111]	2024	Predictive monitoring	Anomaly detection	Classification
[356]	2024	Predictive monitoring	Process factors	Forecasting
[20]	2024	Predictive monitoring	Anomaly detection	Classification
[502]	2024	Predictive monitoring	Anomaly detection	Classification
[371]	2024	Predictive monitoring	Fault diagnosis	Classification
[471]	2024	Predictive monitoring	Fault diagnosis	Classification
[190]	2024	Predictive monitoring	Remaining useful life	Forecasting
[133]	2024	Predictive monitoring	Anomaly detection	Classification
[373]	2024	Predictive monitoring	Fault diagnosis	Classification
[246]	2021	Other	Cellular traffic	Forecasting
[89]	2021	Other	Product demand	Forecasting
[453]	2021	Other	Cellular Network Traffic	Forecasting
[118]	2022	Other	Talent demand and supply	Forecasting
[427]	2022	Other	Modulation classification	Classification
[171]	2022	Other	Spatial temporal event prediction	Forecasting
[492]	2022	Other	App popularity	Forecasting
[459]	2022	Other	Water demand	Forecasting
[469]	2023	Other	Encrypted Traffic	Classification
[105]	2023	Other	Cellular traffic	Forecasting
[372]	2023	Other	Modulation classification	Classification
[67]	2023	Other	Encrypted traffic classification	Classification
[484]	2023	Other	Quality indicators prediction	Forecasting
[396]	2023	Other	Cellular traffic prediction	Forecasting
[15]	2023	Other	Seismic data	Forecasting
[402]	2023	Other	Structural dynamics	Forecasting
[321]	2023	Other	Tailing dam monitoring	Forecasting
[260]	2023	Other	Subsurface production	Forecasting
[31]	2023	Other	Cellular Network Traffic	Forecasting
[337]	2023	Other	Data centers maintenance	Forecasting
[432]	2023	Other	Hydraulic runoff	Forecasting
[5]	2023	Other	Modulation classification	Classification

[147]	2024	Other	Anomaly in microservice system	Classification
[249]	2024	Other	Emergency supply	Forecasting
[127]	2024	Other	Polypropylene production	Forecasting
[2]	2024	Other	Botnet detection	Classification
[248]	2024	Other	Cellular KPI prediction	Forecasting
[391]	2024	Other	Tungsten floatation plant	Forecasting
[479]	2024	Other	Modulation recognition	Classification
[386]	2024	Other	Anomalous IoT intrusion detection	Classification
[448]	2024	Other	Modulation recognition	Classification
[509]	2024	Other	Crime prediction	Forecasting
[166]	2024	Other	Mobile traffic prediction	Forecasting
[443]	2020	Generic	Multivariate time series	Forecasting
[271]	2020	Generic	Multivariate time series	Forecasting
[416]	2020	Generic	Multivariate time series	Forecasting
[25]	2020	Generic	Multivariate time series	Forecasting
[331]	2021	Generic	Multivariate time series	Forecasting
[58]	2021	Generic	Multivariate time series	Forecasting
[47]	2021	Generic	Multivariate time series	Forecasting
[349]	2021	Generic	Multivariate time series	Forecasting
[320]	2021	Generic	Multivariate time series	Forecasting
[283]	2021	Generic	Multivariate time series	Classification
[152]	2021	Generic	Generic	Both
[490]	2022	Generic	Multivariate time series	Forecasting
[440]	2022	Generic	Multivariate time series	Forecasting
[48]	2022	Generic	Time series	Forecasting
[265]	2022	Generic	Multivariate time series	Forecasting
[45]	2022	Generic	Multivariate time series	Forecasting
[262]	2022	Generic	Multivariate time series	Forecasting
[466]	2022	Generic	Multivariate time series	Classification
[44]	2022	Generic	Multivariate time series	Forecasting
[49]	2022	Generic	Multivariate time series	Forecasting
[389]	2022	Generic	Multivariate time series	Forecasting
[135]	2022	Generic	Multivariate time series	Forecasting
[79]	2023	Generic	Multivariate time series	Both
[150]	2023	Generic	Multivariate time series	Forecasting
[445]	2023	Generic	Multivariate time series	Forecasting
[56]	2023	Generic	Multivariate time series	Forecasting
[401]	2023	Generic	Multivariate time series	Forecasting
[361]	2023	Generic	Multivariate time series	Forecasting
[46]	2023	Generic	Multivariate time series	Forecasting
[360]	2023	Generic	Multivariate time series	Forecasting
[293]	2023	Generic	Multivariate time series	Forecasting
[33]	2023	Generic	Batch workloads	Forecasting
[227]	2023	Generic	Node classification for websites	Classification
[126]	2023	Generic	Clinical risk classification	Classification
[57]	2023	Generic	Sensor network	Forecasting
[236]	2023	Generic	Multivariate time series	Forecasting
[96]	2023	Generic	Multivariate time series	Forecasting

[173]	2023	Generic	Multivariate time series	Forecasting
[495]	2023	Generic	Long term series forecasting	Forecasting
[72]	2023	Generic	Multivariate time series	Forecasting
[238]	2023	Generic	Multivariate time series	Forecasting
[115]	2023	Generic	Multivariate time series	Forecasting
[37]	2023	Generic	Multivariate time series	Forecasting
[281]	2023	Generic	Multivariate time series	Forecasting
[387]	2023	Generic	Multivariate time series	Forecasting
[348]	2023	Generic	Multivariate time series	Forecasting
[182]	2023	Generic	Multivariate time series	Forecasting
[467]	2023	Generic	Multivariate time series	Forecasting
[54]	2023	Generic	Multivariate time series	Forecasting
[14]	2023	Generic	Impact of graph construction	Forecasting
[424]	2024	Generic	Multivariate time series	Forecasting
[452]	2024	Generic	Multivariate time series	Forecasting
[428]	2024	Generic	Multivariate time series	Forecasting
[280]	2024	Generic	Multivariate time series	Forecasting
[483]	2024	Generic	Multivariate time series	Forecasting
[273]	2024	Generic	Multivariate time series	Forecasting
[450]	2024	Generic	Multivariate time series	Classification
[140]	2024	Generic	Multivariate time series	Forecasting
[496]	2024	Generic	Multivariate time series	Forecasting
[239]	2024	Generic	Multivariate time series	Forecasting
[71]	2024	Generic	Multivariate time series	Classification
[110]	2024	Generic	Multivariate time series	Classification
[388]	2024	Generic	Multivariate time series	Both
[122]	2024	Generic	Multivariate time series	Forecasting
[255]	2024	Generic	Multivariate time series	Classification
[226]	2024	Generic	Multivariate time series	Forecasting
[97]	2024	Generic	Multivariate time series	Classification
[134]	2024	Generic	Multivariate time series	Forecasting
[149]	2024	Generic	Multivariate time series	Forecasting
[447]	2024	Generic	Multivariate time series	Forecasting
[382]	2024	Generic	Multivariate time series	Forecasting
[353]	2024	Generic	Multivariate time series	Forecasting
[393]	2024	Generic	Multivariate time series	Both
[330]	2024	Generic	Multivariate time series	Forecasting
[235]	2024	Generic	Multivariate time series	Forecasting
[137]	2024	Generic	Multivariate time series	Classification
[435]	2024	Generic	Multivariate time series	Forecasting
