

Mao-xiang Chu

List of Publications by Year in descending order

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docs citations

33
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304
citing authors

#	ARTICLE	IF	CITATIONS
1	L2-Loss nonparallel bounded support vector machine for robust classification and its DCD-type solver. Applied Soft Computing Journal, 2022, , 109125.	4.1	1
2	An Improved Nonparallel Support Vector Machine. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5129-5143.	7.2	20
3	Multi-class classification method for steel surface defects with feature noise. Journal of Iron and Steel Research International, 2021, 28, 303-315.	1.4	6
4	Stochastic gradient support vector machine with local structural information for pattern recognition. International Journal of Machine Learning and Cybernetics, 2021, 12, 2237-2254.	2.3	4
5	End-point Static Prediction of Basic Oxygen Furnace (BOF) Steelmaking Based on INPSVR and WOA. , 2021, , .		0
6	End-point dynamic control of basic oxygen furnace steelmaking based on improved unconstrained twin support vector regression. Journal of Iron and Steel Research International, 2020, 27, 42-54.	1.4	8
7	Unbalanced classification method using least squares support vector machine with sparse strategy for steel surface defects with label noise. Journal of Iron and Steel Research International, 2020, 27, 1407-1419.	1.4	5
8	A nonparallel support vector machine with pinball loss for pattern classification. Journal of Intelligent and Fuzzy Systems, 2020, 39, 911-923.	0.8	0
9	Nonparallel support vector machine with large margin distribution for pattern classification. Pattern Recognition, 2020, 106, 107374.	5.1	20
10	Twin support vector machine based on adjustable large margin distribution for pattern classification. International Journal of Machine Learning and Cybernetics, 2020, 11, 2371-2389.	2.3	12
11	A multi-class classifier based on support vector hyper-spheres for steel plate surface defects. Chemometrics and Intelligent Laboratory Systems, 2019, 188, 70-78.	1.8	21
12	Support vector machine with quantile hyper-spheres for pattern classification. PLoS ONE, 2019, 14, e0212361.	1.1	7
13	End-Point Static Control of Basic Oxygen Furnace (BOF) Steelmaking Based on Wavelet Transform Weighted Twin Support Vector Regression. Complexity, 2019, 2019, 1-16.	0.9	18
14	Multi-class classification method using twin support vector machines with multi-information for steel surface defects. Chemometrics and Intelligent Laboratory Systems, 2018, 176, 108-118.	1.8	31
15	Steel surface defect classification using multiple hyper-spheres support vector machine with additional information. Chemometrics and Intelligent Laboratory Systems, 2018, 172, 109-117.	1.8	31
16	Twin Support Vector Machine With Local Structural Information for Pattern Classification. IEEE Access, 2018, 6, 64237-64249.	2.6	3
17	Multi-class Classification Method Based on Support Vector Machine with Hyper-sphere for Steel surface Defects. , 2018, , .		3
18	Classification method based on global and local support vector machine. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Multi-class classification method for strip steel surface defects based on support vector machine with adjustable hyper-sphere. Journal of Iron and Steel Research International, 2018, 25, 706-716.	1.4	12
20	Multi-class classification for steel surface defects based on machine learning with quantile hyper-spheres. Chemometrics and Intelligent Laboratory Systems, 2017, 168, 15-27.	1.8	30
21	Steel surface defects recognition based on multi-label classifier with hyper-sphere support vector machine. , 2017, , .		6
22	Steel surface defects recognition based on multi-type statistical features and enhanced twin support vector machine. Chemometrics and Intelligent Laboratory Systems, 2017, 171, 140-150.	1.8	64
23	The Strip Steel Surface Defect Recognition Based on Multiple Support Vector Hyper-Sphere with Feature and Sample Weights. Steel Research International, 2016, 87, 1678-1685.	1.0	6
24	Twin pinball loss support vector hyper-sphere classifier for pattern recognition. , 2016, , .		7
25	Design of energy-saving control system on escalator based on LOGO! And frequency converter. , 2016, , .		0
26	A New Process Industry Fault Diagnosis Algorithm Based on Ensemble Improved Binary Tree SVM. Chinese Journal of Electronics, 2015, 24, 258-262.	0.7	10
27	A Fast Detection Method for Region of Defect on Strip Steel Surface. ISIJ International, 2015, 55, 207-212.	0.6	15
28	Invariant Feature Extraction Method Based on Smoothed Local Binary Pattern for Strip Steel Surface Defect. ISIJ International, 2015, 55, 1956-1962.	0.6	22
29	Strip Steel Surface Defect Recognition Based on Novel Feature Extraction and Enhanced Least Squares Twin Support Vector Machine. ISIJ International, 2014, 54, 1638-1645.	0.6	23
30	Multi-class Classification Methods of Enhanced LS-TWSVM for Strip Steel Surface Defects. Journal of Iron and Steel Research International, 2014, 21, 174-180.	1.4	17
31	Strip Steel Surface Defect Classification Method Based on Enhanced Twin Support Vector Machine. ISIJ International, 2014, 54, 119-124.	0.6	23
32	Palmpoint Feature Extraction Based on Improved Gabor Wavelet Combing LBP Operator. Lecture Notes in Computer Science, 2012, , 136-142.	1.0	0
33	Progresses of color image watermark methods. , 2011, , .		1