

# Dong Xiao

## List of Publications by Year in descending order

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62  
papers

499  
citations

623734

14  
h-index

752698

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g-index

63  
all docs

63  
docs citations

63  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Target Detection Model Based on Improved Tiny-Yolov3 Under the Environment of Mining Truck. IEEE Access, 2019, 7, 123757-123764.	4.2	42
2	Coal analysis based on visible-infrared spectroscopy and a deep neural network. Infrared Physics and Technology, 2018, 93, 34-40.	2.9	38
3	A Multiple Hidden Layers Extreme Learning Machine Method and Its Application. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	33
4	Coal classification method based on visible-infrared spectroscopy and an improved multilayer extreme learning machine. Optics and Laser Technology, 2019, 114, 10-15.	4.6	24
5	Coal mine area monitoring method by machine learning and multispectral remote sensing images. Infrared Physics and Technology, 2019, 103, 103070.	2.9	23
6	An Ore Image Segmentation Method Based on RDU-Net Model. Sensors, 2020, 20, 4979.	3.8	22
7	Detection method of TFe content of iron ore based on visible-infrared spectroscopy and IPSO-TELM neural network. Infrared Physics and Technology, 2019, 97, 341-348.	2.9	20
8	Robust stability analysis and stabilisation of uncertain neutral singular systems. International Journal of Systems Science, 2016, 47, 3762-3771.	5.5	19
9	Iron ore identification method using reflectance spectrometer and a deep neural network framework. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119168.	3.9	19
10	Coal Quality Exploration Technology Based on an Incremental Multilayer Extreme Learning Machine and Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4192-4201.	6.3	18
11	An online sequential multiple hidden layers extreme learning machine method with forgetting mechanism. Chemometrics and Intelligent Laboratory Systems, 2018, 176, 126-133.	3.5	17
12	Rapid analysis of coal characteristics based on deep learning and visible-infrared spectroscopy. Microchemical Journal, 2020, 157, 104880.	4.5	17
13	Coal exploration technology based on visible-infrared spectra and remote sensing data. Spectroscopy Letters, 2017, 50, 440-450.	1.0	16
14	Salt content in saline-alkali soil detection using visible-near infrared spectroscopy and a 2D deep learning. Microchemical Journal, 2021, 165, 106182.	4.5	16
15	Coal Exploration Based on a Multilayer Extreme Learning Machine and Satellite Images. IEEE Access, 2018, 6, 44328-44339.	4.2	14
16	A Method of Mining Truck Loading Volume Detection Based on Deep Learning and Image Recognition. Sensors, 2021, 21, 635.	3.8	12
17	Remote Sensing Inversion of Saline and Alkaline Land Based on an Improved Seagull Optimization Algorithm and the Two-Hidden-Layer Extreme Learning Machine. Natural Resources Research, 2021, 30, 3795-3818.	4.7	11
18	Coal identification based on a deep network and reflectance spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120859.	3.9	10

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19	Random Search Enhancement of Incremental Regularized Multiple Hidden Layers ELM. IEEE Access, 2019, 7, 36866-36878.	4.2	8
20	Coal Classification Method Based on Improved Local Receptive Field-Based Extreme Learning Machine Algorithm and Visibleâ€“Infrared Spectroscopy. ACS Omega, 2020, 5, 25772-25783.	3.5	8
21	The research on the modeling method of batch process based on OS-ELM-RMPLS. Chemometrics and Intelligent Laboratory Systems, 2014, 134, 118-122.	3.5	7
22	Study of the Magnetic Properties of Haematite Based on Spectroscopy and the IPSO-ELM Neural Network. Journal of Sensors, 2018, 2018, 1-9.	1.1	7
23	Open-Pit Mine Road Extraction From High-Resolution Remote Sensing Images Using RATT-UNet. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
24	Remote sensing retrieval of saline and alkaline land based on reflectance spectroscopy and RV-MELM in Zhenlai County. Optics and Laser Technology, 2021, 139, 106909.	4.6	7
25	Remote sensing inversion of saline and alkaline land based on reflectance spectroscopy and D-TELM algorithm in Wuyuan areas. Infrared Physics and Technology, 2020, 109, 103367.	2.9	6
26	Multigrades Classification Model of Magnesite Ore Based on SAE and ELM. Journal of Sensors, 2017, 2017, 1-9.	1.1	5
27	Copper Content Inversion of Copper Ore Based on Reflectance Spectra and the VTELM Algorithm. Sensors, 2020, 20, 6780.	3.8	5
28	Mine reclamation based on remote sensing information and error compensation extreme learning machine. Spectroscopy Letters, 2021, 54, 151-164.	1.0	5
29	Actuator Fault Compensation for Nonlinear Systems Using Adaptive Tracking Control. Circuits, Systems, and Signal Processing, 2010, 29, 419-430.	2.0	4
30	Output Strictly Passive Control of Uncertain Singular Neutral Systems. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	4
31	Modeling, Prediction, and Control of Heating Temperature for Tube Billet. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	4
32	Research on a method for predicting the underflow concentration of a thickener based on the hybrid model. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 13-26.	3.1	4
33	Flatness Prediction of Cold Rolled Strip Based on EM-TELM. IEEE Access, 2021, 9, 51484-51493.	4.2	4
34	Research on belt foreign body detection method based on deep learning. Transactions of the Institute of Measurement and Control, 2022, 44, 2919-2927.	1.7	4
35	Modeling and optimization for piercing energy consumption. Journal of Iron and Steel Research International, 2009, 16, 40-44.	2.8	3
36	Research on Coal Exploration Technology Based on Satellite Remote Sensing. Journal of Sensors, 2016, 2016, 1-9.	1.1	3

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37	Large-Truck Safety Warning System Based on Lightweight SSD Model. Computational Intelligence and Neuroscience, 2019, 2019, 1-10.	1.7	3
38	Uncovering the effect of ion exchange membrane on capacity decay and efficiency for all-vanadium redox flow battery by modeling analysis. International Journal of Green Energy, 2022, 19, 1367-1374.	3.8	3
39	A Modeling Method for Time Series in Complex Industrial System. , 2006, , .		2
40	Modeling and control for the tube blank heating quality of seamless tube. , 2013, , .		2
41	A Deformation Forecasting Model of High and Steep Slope Based on Fuzzy Time Series and Entire Distribution Optimization. IEEE Access, 2020, 8, 176112-176121.	4.2	2
42	Output-Related and -Unrelated Fault Monitoring with an Improvement Prototype Knockoff Filter and Feature Selection Based on Laplacian Eigen Maps and Sparse Regression. ACS Omega, 2021, 6, 10828-10839.	3.5	2
43	A football training method based on improved tiny-yolov3 and virtual reality. Multimedia Tools and Applications, 2022, 81, 14283-14301.	3.9	2
44	Detection of total iron content based on improved extreme learning machine. Spectroscopy Letters, 2022, 55, 284-289.	1.0	2
45	Coal Identification Based on Reflection Spectroscopy and Deep Learning: Paving the Way for Efficient Coal Combustion and Pyrolysis. ACS Omega, 2022, 7, 23919-23928.	3.5	2
46	Nonlinear Fault Diagnosis based on RBF with Sliding Window Error Feedback. , 2006, , .		1
47	Quality prediction and control of tube hollow. Journal of Central South University, 2011, 18, 767-772.	3.0	1
48	Modeling and Optimization for Piercing Efficiency and Energy Consumption Based on Mean Value Substaged KELM-PLS and GA Method. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	1
49	Process Monitoring and Fault Diagnosis for Shell Rolling Production of Seamless Tube. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	1
50	A gross error detection method based on 3MADâ€“GRWâ€“MMMD. Chemometrics and Intelligent Laboratory Systems, 2015, 146, 24-33.	3.5	1
51	Process Monitoring and Fault Diagnosis for Piercing Production of Seamless Tube. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	1
52	A Method of Fault Monitoring and Diagnosis for the Thickener in Hydrometallurgy. IEEE Access, 2019, 7, 142317-142324.	4.2	1
53	Research on a Method of Gross Error Elimination for Slope Monitoring Data Based on Machine Learning. IEEE Access, 2019, 7, 164682-164695.	4.2	1
54	Real-Time Monitoring of Mine Landslide based on Gaussian Mixture Model. , 2019, , .		1

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55	Research on TFe Content of Hematite Based on LU-TELM-SOA and Selection of Band. Journal of Sensors, 2021, 2021, 1-11.	1.1	1
56	Dust Removal from 3D Point Cloud Data in Mine Plane Areas Based on Orthogonal Total Least Squares Fitting and GA-TELM. Computational Intelligence and Neuroscience, 2021, 2021, 1-8.	1.7	1
57	A Multi-Table Image Recognition System Based on Deep Learning and Edge Detection. , 2019, , .		1
58	Modeling of guide disk speed of rotary piercer based on PCA-ELM. , 2013, , .		0
59	Modeling of Piercing Based on DEFORM-3D and the Ensemble OSC-PLS-ELM Method. IEEE Access, 2018, 6, 63537-63545.	4.2	0
60	Spectral and BP Neural Network Research on Classification of Iron Ore. , 2019, , .		0
61	Pruning Multilayered ELM Using Cholesky Factorization and Givens Rotation Transformation. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	0
62	An Advanced Broydenâ€™Fletcherâ€™Goldfarbâ€™Shanno Algorithm for Prediction and Output-Related Fault Monitoring in Case of Outliers. Journal of Chemistry, 2022, 2022, 1-12.	1.9	0