

Chengtao Wang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

175
citations

1307594

7
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of electrochemical corrosion on Q235A steel under stray current excitation using combined analysis by electrochemical impedance spectroscopy and artificial neural network. Construction and Building Materials, 2020, 247, 118562.	7.2	42
2	Stray Current Distributing Model in the Subway System: A review and outlook. International Journal of Electrochemical Science, 2018, 13, 1700-1727.	1.3	32
3	Chloride-induced stray current corrosion of Q235A steel and prediction model. Construction and Building Materials, 2019, 219, 164-175.	7.2	30
4	Remaining lifetime assessment of gas pipelines subjected to stray current interference using an integrated electric-electrochemical method. Engineering Failure Analysis, 2021, 127, 105494.	4.0	15
5	Evaluation Model for the Scope of DC Interference Generated by Stray Currents in Light Rail Systems. Energies, 2019, 12, 746.	3.1	14
6	A probabilistic-based model for dynamic predicting pitting corrosion rate of pipeline under stray current interference. Journal of Pipeline Science and Engineering, 2021, 1, 339-348.	4.8	11
7	Predictive model for corrosion hazard of buried metallic structure caused by stray current in the subway. Anti-Corrosion Methods and Materials, 2019, 66, 486-495.	1.5	10
8	Novel method for prediction of corrosion current density of gas pipeline steel under stray current interference based on hybrid LWQPSO-NN model. Measurement: Journal of the International Measurement Confederation, 2022, 200, 111592.	5.0	8
9	Study of dynamic half-cell potential signal of rock bolt under stray current interference based on probabilistic-based method. Construction and Building Materials, 2022, 335, 127481.	7.2	6
10	Development of a Novel Process of Corrosion Rate Estimation of Steel under Stray Current Interference: Q235A Pipe Steel as an Example. Russian Journal of Electrochemistry, 2021, 57, 448-461.	0.9	5
11	Prediction Model of Corrosion Current Density Induced by Stray Current Based on QPSO-Driven Neural Network. Complexity, 2019, 2019, 1-15.	1.6	2
12	Improved PSO-NN Prediction Model for Corrosion Current Density Under the Stray Current Excitation Based on Data Mining Technique. , 2019, , .		0