7 results from All Databases for:

AI=(0000-0002-3001-2921)

Analyze Results | Citation Report | Create Alert

Refined By: Highly Cited Papers ✕ Clear all

Copy query link

Publications | You may also like...

Refine results

Search within results for...

Quick Filters

- Highly Cited Papers 7
- Open Access 2

Publication Years

- 2021 1
- 2020 2
- 2019 3
- 2016 1

Document Types

- Articles 7

Database

- Web of Science Core Collection 7

Research Areas

- Engineering 7
- Mathematics 6
- Computer Science 4
- Energy Fuels 4
- Mechanics 3

See all >

MeSH Headings

None of the results contain data in this field.

MeSH Qualifiers

None of the results contain data in this field.

Authors

- Hong W C 7
- Hong WC 7
- Wei-chiang HONG 5
- Geng J 2
- Li MW 2

See all >

Publication/Source Titles

- IEEE ACCESS 2
- NONLINEAR DYNAMICS 2
- APPLIED MATHEMATICAL MODELLING 1
- ENERGY 1
- NEUROCOMPUTING 1

Open Access

0/7 | Add To Marked List | Export | Sort by: Relevance | 1 of 1

1 Chaos cloud quantum bat hybrid optimization algorithm
Li, MW; Wang, YT; (...); Hong, WC
Jan 2021 | Jan 2021 (Early Access) | NONLINEAR DYNAMICS 103 (1) , pp.1167-1193
The bat algorithm (BA) has fast convergence, a simple structure, and strong search ability. However, the standard BA has poor local search ability in the late evolution stage because it references the historical speed; its population diversity also declines rapidly. Moreover, since it lacks a mutation mechanism, it easily falls into local optima. To improve its performance, this paper develops ... Show more
LINK Check for full text | Full Text at Publisher
49 Citations | 36 References | Related records

2 Electric Load Forecasting by Hybrid Self-Recurrent Support Vector Regression Model With Variational Mode Decomposition and Improved Cuckoo Search Algorithm
Zhang, ZC; Hong, WC and Li, JC
2020 | IEEE ACCESS 8 , pp.14642-14658
Accurate electric load forecasting is critical not only in preventing wasting electricity production but also in facilitating the reasonable integration of clean energy resources. Hybridizing the variational mode decomposition (VMD) method, the chaotic mapping mechanism, and improved meta-heuristic algorithm with the support vector regression (SVR) model is crucial to preventing the premature p ... Show more
LINK Check for full text | Free Full Text from Publisher
63 Citations | 65 References | Related records

3 Electric load forecasting by the SVR model with differential empirical mode decomposition and auto regression
Fan, GF; Peng, LL; (...); Sun, F
Jan 15 2016 | NEUROCOMPUTING 173 , pp.958-970
Electric load forecasting is an important issue for power utility, associated with the management of daily operations such as energy transfer scheduling, unit commitment, and load dispatch. Inspired by strong non-linear learning capability of support vector regression (SVR), this paper presents a SVR model hybridized with the differential empirical mode decomposition (DEMD) method and auto regr ... Show more
LINK Check for full text | Full Text at Publisher
149 Citations | 32 References | Related records

4 Electric load forecasting by complete ensemble empirical mode decomposition adaptive noise and support vector regression with quantum-based dragonfly algorithm
Zhang, ZC and Hong, WC
Oct 2019 | NONLINEAR DYNAMICS 98 (2) , pp.1107-1136
Accurate electric load forecasting can provide critical support to makers of energy policy and managers of power systems. The support vector regression (SVR) model can be hybridized with novel meta-heuristic algorithms not only to identify fluctuations and the nonlinear tendencies of electric loads, but also to generate satisfactory forecasts. However, many such algorithms have numerous drawbac ... Show more
LINK Check for full text | Full Text at Publisher
100 Citations | 65 References | Related records

5 Novel chaotic bat algorithm for forecasting complex motion of floating platforms
Hong, WC; Li, MW; (...); Zhang, Y
Aug 2019 | APPLIED MATHEMATICAL MODELLING 72 , pp.425-443
This paper presents a model for forecasting the motion of a floating platform with satisfactory forecasting accuracy. First, owing to the complex nonlinear characteristics of a time series of floating platform motion data, a support vector regression model with a hybrid kernel function is used to simulate the motion of a floating platform. Second, the proposed chaotic efficient bat algorithm, b ... Show more
LINK Check for full text | Full Text at Publisher
82 Citations | 35 References | Related records

6 Short term load forecasting based on feature extraction and improved general regression neural network model
Liang, Y; Niu, DX and Hong, WC
Jan 1 2019 | ENERGY 166 , pp.653-663
Along with the deregulation of electric power market as well as aggregation of renewable resources, short term load forecasting (STLF) has become more and more momentous. However, it is a hard task due to various influential factors that leads to volatility and instability of the series. Therefore, this paper proposes a hybrid model which combines empirical mode decomposition (EMD), minimal red ... Show more
LINK Check for full text | Full Text at Publisher
112 Citations | 56 References | Related records

7 Machine Learning Adoption in Blockchain-Based Smart Applications: The Challenges, and a Way Forward
Tanwar, S; Bhatia, Q; (...); Hong, WC
2020 | IEEE ACCESS 8 , pp.474-488
In recent years, the emergence of blockchain technology (BT) has become a unique, most disruptive, and trending technology. The decentralized database in BT emphasizes data security and privacy. Also, the consensus mechanism in it makes sure that data is secured and legitimate. Still, it raises new security issues such as majority attack and double-spending. To handle the aforementioned issues, ... Show more
LINK Check for full text | Free Full Text from Publisher
72 Citations | 68 References | Related records