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first author: Tuy, Hoang

Cutting-stock problem
first author: Prékopa, András
... author #2: Fábián, Csaba I.

Cyclic coordinate method
first author: Vassiliadis, Vassilios S.
... author #2: Conejeros, Raúl

D.C. Programming
first author: Tuy, Hoang

Data envelopment analysis
first author: De Leone, R.

Data mining
first author: Olson, David L.

De Novo protein design using flexible templates
first author: Fung, Ho Ki
... author #2: Floudas, Christodoulos A.

De Novo protein design using rigid templates
first author: Fung, Ho Ki
... author #2: Floudas, Christodoulos A.

Decision support systems with multiple criteria
first author: Zopounidis, Constantin
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author #4: Izbirak, Gökhan K.
Encyclopedia of Optimization
Floudas, C.A.; Pardalos, P.M. (Eds.)
2009, CCXXXI, 4622 p. Print + eReference., Hardcover