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教育背景	大连理工大学工学博士（2007） 大连海事大学理学硕士（2002） 辽宁师范大学理学学士（1999）
研究领域	图论及其应用、优化算法及其应用等

论文类：

(1) **Hong Gao**, Xing Liu, Yuanyuan Guo, Yuansheng Yang. On two outer independent Roman domination related parameters in torus graphs. *Mathematics*. 2022. (SCI 检索)

(2) **Hong Gao**, Tingting Feng, Yuansheng Yang. Italian domination in the Cartesian product of paths. *Journal of Combinatorial Optimization*. 2021, 41(2):526-543. (SCI 检索)

(3) **Hong Gao**, Jiahuan Huang, Yuansheng Yang. Double Roman domination in generalized Petersen graphs. *Bulletin of the Iranian Mathematical Society*. 2021. (SCI 检索)

(4) **Hong Gao**, Penghui Wang, Enmao Liu, Yuansheng Yang. More results on Italian domination in $C_n \square C_m$. *Mathematics*. 2020, 8: 465. (SCI 检索)

(5) **Hong Gao**, Changqing Xi, Yuansheng Yang. The 3-rainbow domination number of the Cartesian product of cycles. *Mathematics*. 2020, 8(1): 65. (SCI 检索)

(6) **Hong Gao**, Kun Li, Yuansheng Yang. The k-rainbow domination number of $C_n \square C_m$. *Mathematics*. 2019, 7(12), 1153. (SCI 检索)

(7) **Hong Gao**, Changqing Xi, Kun Li, Qingfang Zhang, Yuansheng Yang. The Italian domination Numbers of generalized Petersen

graphs P(n,3). *Mathematics*. 2019, 7(8): 714. (SCI 检索)

(8) **Hong Gao**, Ting ting Xu, Yuansheng Yang. Bagging approach for Italian domination in $C_n \square P_m$. *IEEE Access*. 2019, 7: 105224-105234. (SCI 检索)

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(10)**Hong Gao**, Huiping Cao, Yuansheng Yang. On the total signed domination number of $P_m \square C_n$. *Ars Combinatoria*. 2018, 136: 3-19. (SCI 检索)

(11)**Hong Gao**, Enmao Liu, Yuansheng Yang, Wei Liu. BBM algorithm for signed mixed domination in Cartesian product of cycles. *International Journal of Innovative Computing, Information and Control*. 2019, 15(4): 1507-1520. (EI 检索)

(12)**Hong Gao**, Wei Duan, Tingting Feng, Yuansheng Yang. Signed mixed domination number of circulant graphs. *Proceedings of International Conference on Electronic Engineering and Informatics*. 2019, 11: 495-498. (EI 检索)

(13)**Hong Gao**, Yanan Yin, Yuansheng Yang. Bounds on the total signed domination number of generalized Petersen graphs P(n,3). *Journal of Physics: Conference Series*. 2018, 1187: 032098. (EI 检索)

(14)高红，黄佳欢，栗坤，杨元生. 路径直积图的意大利控制数. 同济大学学报. 2022. (EI 检索)

(15)高红，黄佳欢，刘仁邦，杨元生. 圈与圈克罗内克乘积图的罗马{3}-控制. 大连理工大学学报. 2021, 61(6): 652-655. (中文核心)

(16)高红，黄佳欢，尹亚男，杨元生. 广义彼得森图的意大利控制数. 大连理工大学学报. 2021, 61(6): 652-655. (中文核心)

(17)高红，黄佳欢，尹亚男，杨元生. 广义 Petersen 图 P(n,1), P(n,2) 的意大利控制数. 同济大学学报. 2021, 49(5): 751-758. (EI 检索)

(18)高红，刘仁邦，冯婷婷，刘巍. 图论教学中的可拓变换. 数学的实践与认识. 2021, 51(16): 262-270 . (中文核心)

(19)高红，郗常清，刘巍. 可拓分析与决策的应用研究：以高校招生体系为例. 广东工业大学学报. 2021, 38 (1): 13-20.

(20)高红，徐晓明，刘巍，可拓分类在港口与后方物流园区发展关系中的应用. 数学的实践与认识. 2018, 48(8): 1-10. (中文核心)

(21)**Hong Gao**, Liang Lv, Wei Liu. Efficiency measurement of Shenzhen port using data envelopment analysis. *International Conference on Emergency Management and Management Sciences*. 2010, 8: 206-209. (EI 检索)

(22)**Hong Gao**, Wei Liu. An improved SVM classifier. *ICIC Express*

Letters. 2009, 3(4A): 1001-1005. (EI 检索)

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(25)杨劼，**高红**，刘涛，刘巍. 基于改进遗传算法的泊位岸桥协调调度优化. 计算机应用. 2016, 36(11): 3136-3140.

(26)Jie Yang, **Hong Gao**, Wei Liu. Extension-based recommendation system about classification algorithm and its application. *Proceedings of the 3rd International Symposium on Computer, Consumer and Control*. 2016, 8: 417-422. (EI 检索)

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(28)朱弘扬，**高红**，刘巍，丁怡. 可拓 Adaboost 算法对预测结果的改进. 辽宁工程技术大学学报. 2016, 35(9): 993-997.

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(31)杨劼，**高红**，刘巍，李依楠. 基于可拓理论的公共项目融资模式选择研究. 武汉金融. 2014, 174(6): 11-15.

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Symposium on Extenics and Innovation Methods. 2013, 8: 101-107. (EI 检索)

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(46) 李珊珊，刘巍，**高红**. 基于可拓学的复杂社会网络分析研究初探. 科技导报. 2014，32(36)：21-25.

代表性项目	(1) 辽宁省自然科学基金，图的控制理论及其在社会网络分析中的应用研究，2015020033，项目负责人. (2) 辽宁省博士启动基金，可拓数学模型及其在计算语言学中的应用研究，20091005，项目负责人. (3) 大连市科技基金，基于模糊变换的数据分析及其在汉语分析中的应用研究，2009J22DW010，项目负责人. (4) 大连海事大学青年骨干教师基金，产品评价信息的自动抽取研究，2009QN072，项目负责人. (5) 深圳旭洋投资有限公司项目，船舶融资项目投资风险分析，2009H116，项目负责人.

(6) 深圳引航站项目，大型 LNG 船舶深圳港靠泊操纵及通航安全保障评价研究，2010Z218，项目负责人.

(7) 深圳引航站项目，深圳港引航助航拖轮配置研究，2010Z586，项目负责人.

(8) 大连海事大学青年骨干教师基金,若干图类的全符号控制数研究，3132015158，项目负责人.

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荣誉奖励	(1)2021 年被评为大连海事大学优秀硕士研究生导师
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社会兼职	(1) 中国人工智能学会可拓学专业委员会常务委员
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