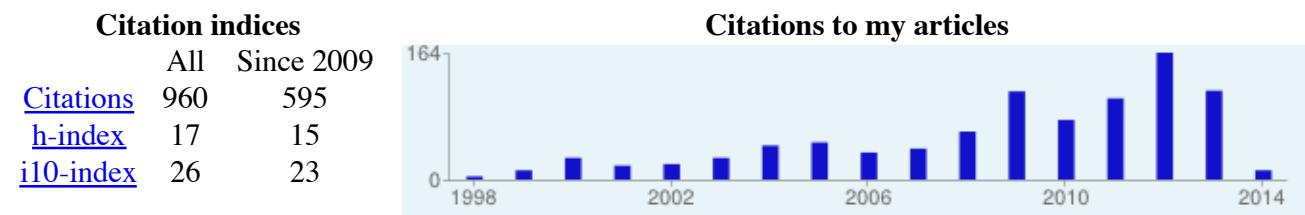


[Web](#) [Images](#) [More...](#)rz.rios@utexas.edu[Search Authors](#)[My Citations](#) - [Help](#)**Follow this author**[Follow new articles](#)

Following new citations

[List my alerts](#)**Co-authors**[elena fernandez](#)[José Luis González Vel...](#)[L. Ridgway Scott](#)[Satu Elisa Schaeffer](#)[ELIAS OLIVARES BENI...](#)[Mauricio Cabrera-Rios](#)[Joaquín Bautista](#)[Yasmin a. Rios-Solis](#)[Dagoberto R. Quevedo...](#)[Rubén Ruiz](#)[Hugo Jair Escalante](#)[Marco Aurelio Gonzále...](#)[View all co-authors](#) Name Email Inviting co-author Send invitation[Change photo](#)Roger Z. Ríos [Edit](#)Professor of Operations Research, Graduate Program in Systems Engineering, UANL [Edit](#)[Operations research](#) - [discrete optimization](#) - [heuristics/metaheuristics](#) - [location science](#) - [districting](#) [Edit](#)

Verified email at utexas.edu [Edit](#)My profile is public [Edit](#) [Link](#) [Homepage](#) [Edit](#)Select: [All](#) [None](#) ActionsShow: 20 [1-20](#) [Next >](#)

Title / Author	Cited by	Year
Model relaxations for the fuel cost minimization of steady-state gas pipeline networks	84	2000
S Wu, RZ Ríos-Mercado, EA Boyd, LR Scott Mathematical and Computer Modelling 31 (2), 197-220		
A reactive GRASP for a commercial territory design problem with multiple balancing requirements	72	2009
RZ Ríos-Mercado, E Fernández Computers & Operations Research 36 (3), 755-776		
Heuristics for the flow line problem with setup costs	71	1998
RZ Ríos-Mercado, JF Bard European Journal of Operational Research 110 (1), 76-98		
An enhanced TSP-based heuristic for makespan minimization in a flow shop with setup times	63	* 1999
RZ Ríos-Mercado, JF Bard Journal of Heuristics 5 (1), 53-70		
Computational experience with a branch-and-cut algorithm for flowshop scheduling with setups	60	1998
RZ Ríos-Mercado, JF Bard Computers & Operations Research 25 (5), 351-366		
A reduction technique for natural gas transmission network optimization problems	49	2002
RZ Ríos-Mercado, S Wu, LR Scott, EA Boyd Annals of Operations Research 117 (1-4), 217-234		
Efficient operation of natural gas transmission systems: A network-based heuristic for cyclic structures	47	2006
RZ Ríos-Mercado, S Kim, EA Boyd Computers & Operations Research 33 (8), 2323-2351		
A branch-and-bound algorithm for permutation flow shops with sequence-dependent setup times	41	1999
RZ Ríos-Mercado, JF Bard IIE transactions 31 (8), 721-731		

Natural gas pipeline optimization

- | | | | |
|---|---|-----------|------|
| <input type="checkbox"/> RZ Ríos-Mercado | Handbook of applied optimization, 3 | <u>36</u> | 2002 |
| Discrete bilevel programming: Application to a natural gas cash-out problem | | | |
| <input type="checkbox"/> S Dempe, V Kalashnikov, RZ Ríos-Mercado | | <u>33</u> | 2005 |
| European Journal of Operational Research 166 (2), 469-488 | | | |
| The flow shop scheduling polyhedron with setup times | | | |
| <input type="checkbox"/> RZ Ríos-Mercado, JF Bard | | <u>26</u> | 2003 |
| Journal of combinatorial optimization 7 (3), 291-318 | | | |
| Empirical evaluation of a metaheuristic for commercial territory design with joint assignment constraints | | | |
| <input type="checkbox"/> SI Caballero-Hernández, RZ Ríos-Mercado, F López, SE Schaeffer | | <u>23</u> | 2007 |
| Proceedings of the 12th Annual International Conference on Industrial ... | | | |
| Optimal design of gating systems by gradient search methods | | | |
| <input type="checkbox"/> CE Esparza, MP Guerrero-Mata, RZ Ríos-Mercado | | <u>22</u> | 2006 |
| Computational materials science 36 (4), 457-467 | | | |
| New models for commercial territory design | | | |
| <input type="checkbox"/> MA Salazar-Aguilar, RZ Ríos-Mercado, M Cabrera-Ríos | | <u>21</u> | 2011 |
| Networks and Spatial Economics 11 (3), 487-507 | | | |
| A MINLP model for minimizing fuel consumption on natural gas pipeline networks | | | |
| <input type="checkbox"/> D Cobos-Zaleta, RZ Ríos-Mercado | | <u>21</u> | 2002 |
| Proceedings of the XI Latin-Ibero-American conference on operations research ... | | | |
| A location-allocation heuristic for a territory design problem in a beverage distribution firm | | | |
| <input type="checkbox"/> JA Segura-Ramiro, RZ Ríos-Mercado, AM Álvarez-Socarrás, K de Alba Romenus | | <u>20</u> | 2007 |
| Proceedings of the 12th Annual International Conference on Industrial ... | | | |
| A hybrid meta-heuristic approach for natural gas pipeline network optimization | | | |
| <input type="checkbox"/> C Borraz-Sánchez, RZ Ríos-Mercado | | <u>19</u> | 2005 |
| Hybrid Metaheuristics, 54-65 | | | |
| Usando GRASP para resolver un problema de definición de territorios de atención comercial | | | |
| <input type="checkbox"/> LV Suárez, RZR Mercado, F López | | <u>16</u> | 2005 |
| Proceedings of the IV Spanish Conference on Metaheuristics, in: Evolutionary ... | | | |
| A scatter search based hyper-heuristic for sequencing a mixed-model assembly line | | | |
| <input type="checkbox"/> J Cano-Belmán, RZ Ríos-Mercado, J Bautista | | <u>15</u> | 2010 |
| Journal of Heuristics 16 (6), 749-770 | | | |
| A non-sequential dynamic programming approach for natural gas network optimization. | | | |
| <input type="checkbox"/> C Borraz-Sánchez, RZ Ríos-Mercado | | <u>15</u> | 2004 |
| WSEAS Transactions on Systems 3 (4), 1384-1389 | | | |

Select: [All](#) [None](#) Actions ▾

Show: [20](#) ▾ **1-20** [Next >](#)

Dates and citation counts are estimated and are determined automatically by a computer program.

©2013 Google - [About Google Scholar](#) - [All About Google](#) - [Provide feedback](#) - [My Citations](#)