

# Hong-Jian Lai

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## EDUCATION

1. Ph.D. in Mathematics, Wayne State University, Detroit, Michigan (1988).
2. MS in Mathematics, Wayne State University, Detroit, Michigan (1985).
3. BS in Mathematics, S. China Institute of Technology, Guangzhou, P. R. CHINA (1982).

## HONORS AND AWARDS:

- West Virginia University Foundation Outstanding Teaching Award, West Virginia University (2005-2006).
- Eberly College of Arts and Sciences Outstanding Teaching Award, West Virginia University (2005-2006).
- Eberly College of Arts and Sciences Outstanding Research Award, West Virginia University (1995-1996).
- Post Doctoral Fellowship in University of Waterloo (1988 - 1989).
- Rumble Fellowship in Wayne State University (1984 - 1985, 1987-1988).
- The Bharucha-Reid Award for outstanding achievement in the Ph.D. program, Wayne State University (1988).
- The Hidegoro Nakano Award for outstanding achievement in the Masters program, Wayne State University (1985).

## PROFESSIONAL EXPERIENCE:

- Professor, West Virginia University (2000-present).
- Associate Professor, West Virginia University (1995-1999).
- Assistant Professor, West Virginia University (1989-1995).
- Post Doctoral Fellow and Adjunct Lecturer, University of Waterloo (1988-1989).

## PhD STUDENTS SUPERVISED

- Xiankun Zhang (graduation year: 1998)  
Position: Software Engineer, IMCI Technologies, Arlington, VA.
- Kamal Hennayake (graduation year: 1998)  
Position: Assistant Professor, Mountain State University, Beckly, WV.
- Bruce Montgomery (graduation year: 2001)
- Xiangwen Li (graduation year: 2002)  
Position: Post Doctoral Fellow, University of Regina, Canada.
- Mingquan Zhan (graduation year: 2003)  
Position: Assistant Professor, Millersville University, Millersville, PA.

- Yehong Shao (graduation year: 2005)  
Position: Assistant Professor, Ohio University Southern, Ironton, OH.
- Ju Zhou (graduation year: 2008)  
Position: Assistant Professor, Bridgewater State College, Bridgewater, MA.
- Huiya Yan (graduation year: 2009)  
Position: Assistant Professor, University of Wisconsin La Crosse, La Crosse, WI.
- Li, Hao (graduation year: 2011)  
Position: Assistant Professor, Renmin University, Beijing, PRC.
- Li, Ping (graduation year: 2012)  
Position: Assistant Professor, Beijing Jiaotong University, Beijing, PRC.
- Liang, Yanting (graduation year: 2012)  
Position: Assistant Professor, University of Wisconsin Fond du Lac, Fond du Lac, WI.
- Yao, Senmei (graduation year: 2012)  
Position: Assistant Professor, Marian University, Fond du Lac, WI.
- Gu, Xiaofeng (graduation year: 2013)  
Position: Assistant Professor, University of Wisconsin-Superior, Superior, WI.
- Chen, Ye (graduation year: 2014)  
Position: Post doctoral fellow, National Institute of Health (NIH).
- Wang, Keke (graduation year: 2015)  
Position: Assistant Professor, Embry-Riddle Aeronautical University, Prescott, AZ
- Meng Zhang (graduation year: 2015)  
Position: Assistant Professor, University of North Georgia, Watkinsville, GA.
- Mansour Algefari (graduation year: 2016)  
Position: Assistant Professor, Qassim University, Buraydah, KSA.
- Khalid Alsatami (graduation year: 2016)  
Position: Assistant Professor, Qassim University, Buraydah, KSA.
- Janet Anderson (graduation year: 2017)  
Position: Researcher, Noblis, Bridgeport, WV.
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## PHD STUDENTS CURRENTLY UNDER MY SUPERVISION

- Murong Xu (Expected graduation year: 2018)
- Miaomiao Han (Expected graduation year: 2018)
- Jiaao Li (Expected graduation year: 2019)
- Yang Wu (Expected graduation year: 2020)
- Jianbin Liu (Expected graduation year: 2021)
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## MASTER STUDENTS SUPERVISED

- Jong-Suk Hwang (graduation year: 1994)
- Robert Pierce (graduation year: 1995)
- Xiaodong Shi (graduation year: 1997)
- Nathan Sams (graduation year: 1998)
- Jessica Soloweigh (graduation year: 1999)
- Hoifung Poon (graduation year: 2000)
- Jingjing Chen (graduation year: 2003)
- Mia Chung (graduation year: 2004)
- Hehui Wu (graduation year: 2005)

- Mellisa Kay (graduation year: 2008)
- Senmei Yao (graduation year: 2009)
- Zuhe Zhang (graduation year: 2009)
- Nathan Newman (graduation year: 2011)
- Lu Zhang (graduation year: 2012)
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## PUBLICATION (Books):

1. *Matrices in Combinatorics and Graph Theory*, (with Bolian Liu), Kluwer Academic Publishers, Vol. 3 of Network Theory and Applications, (2000), (ISBN: 0-7923-6469-4).
2. *Matroid Theory* (in Chinese), Chinese Higher Education Press, (2002), (ISBN: 7-04-010563)
3. *Probability and Statistics*, (with Z. F. Hao et al.), Chinese Higher Education Press, (2008), (ISBN: 978-7-04-023605-7)

## Applications of Mathematics:

1	<a href="#">Energy Management System with Automatic Reconfiguration for Electric Shipboard Power Systems</a> , (with Shilpa B. Ganesh, Karl Schoder, Amer Al-Hinai, Ali Feliachi), Proceedings, Reconfiguration and Survivability Symposium 2005, Atlantic Beach, FL. Feb 16-18, 2005.
2	<a href="#">Distributed Control Agents Approach to Energy Management In Electric Shipboard Power Systems</a> , (with Ali Feliachi, Karl Schoder and Shilpa B. Ganesh), IEEE PES General Meeting, June 18-22, 2006, Montral, Canada.
3	<a href="#">Distributed Approaches for Determination of Reconfiguration Algorithm Termination</a> , (with Pinak Tulpule, Karl Schoder, Ali Feliachi), Proceedings of the Electric Ship Technologies Symposium (ESTS) 2007, Arlington, VA, May 21-23, 2007.
4	<a href="#">Age distribution and risk factors for the onset of severe disability among community-dwelling older adults with functional limitations</a> , (with Y. Wu, H. Huang, B Wu, and S. McCrone), The Journal of Applied Gerontology, 26 (2007) 258-273.
5	<a href="#">Health Behavior and Transition of Physical Disability Among Community Dwelling Older Adults</a> , (Part1, 2, 3, 4) (with Y. Wu and S. McCrone), Research on Aging, 30 (2008) 572-591.
6	<a href="#">Intelligent Reconfiguration of Smart Distribution Network using Multi-Agent Technology</a> , (Invited Panel Paper), (with Sridhar Chouhan, Hui Wan, Ali Feliachi and M. A. Choudhry), IEEE Power Engineering Society General Meeting, Calgary, Canada, July 2009.
7	<a href="#">Application of Multi-Agents to Fault Detection and Power Distribution Systems Reconfiguration</a> , (with K. Nareshkumar, M. A. Choudhry and A. Feliachi), IEEE Power Engineering Society General Meeting, Calgary, Canada, July 2009.
8	<a href="#">Emergency of Specialization in a Swarm or Robot</a> , (with Adam Halasz, Yanting Liang, M. Ani Hsieh), Distributed Autonomous Robot Systems, (Martinoli et al eds. ), Springer Tracts in Advanced Robots, 83 (2012) 403-416.

## PUBLICATIONS (Research Papers):

1987-1990	
1	<a href="#">Unique graph homomorphisms onto odd cycles</a> , Utilitas Mathematica 31(1987), 199-208. (88e:05041).
2	<a href="#">On the hamiltonian index</a> , Disc. Math. 69 (1988) 43-53. (89f:05113).
3	<a href="#">Contractions and hamiltonian line graphs</a> , J. Graph Theory 12 (1988) 11-15. (89f:05114).
4	<a href="#">Unique graph homomorphisms onto odd cycles. II</a> , J. of Combinatorial Theory,

	Series B, 46 (1989) 363-376. (90c:05088)
5	<a href="#">Reduced graphs of diameter two</a> , J. Graph Theory, 14 (1990) 77 - 87. (91b:05157).
6	<a href="#">The size of strength-maximal graphs</a> , J. Graph Theory, 14 (1990) 187 - 197. (91f:05075).
7	<a href="#">Eulerian subgraphs in graphs with short cycles</a> , (with Paul A. Catlin) Ars Combinatoria, 30 (1990), 177 - 191. (91j:05070).

<b>1991-1995</b>	
8	<a href="#">Eulerian subgraphs in a class of graphs</a> , Ars Combinatoria, 31 (1991) 302 - 311. (92d:05095).
9	<a href="#">Cycle covers in graphs without subdivisions of <math>K_4</math></a> , (with H. Y. Lai) J. of Comb. Math and Comb. Computing, 9 (1991), 201-207. (92d:05126).
10	<a href="#">A note on uniformly dense matroids</a> , (with H. Y. Lai) Utilitas Mathematica, 40 (1991) 251-256. (92h:05029).
11	<a href="#">Cycle covering of plane triangulations</a> , (with H. Y. Lai) J. of Comb. Math. and Comb. Computing, 10 (1991) 3-21. (92i:05160).
12	<a href="#">Graphs whose edges are in small cycles</a> , Disc. Math., 94 (1991) 11 - 22. (92j:05111).
13	<a href="#">Small cycle covers of planar graphs</a> , (with H. Y. Lai) Congressus Numerantium, 85 (1991) 203-209. (93c:05046).
14	<a href="#">Spanning trails joining two given edges</a> , (with Paul A. Catlin) in "Graph Theory, Combinatorics, and Applications" (vol. 1), eds by Y. Alavi, G. Chartrand, O. Oellermann and A. Schwenk, Kalamazoo, (1991), 207 - 222.
15	<a href="#">Graphs of diameter at most two</a> , Ars Combinatoria, (1992) 331-343. (93m:05100)
16	<a href="#">Nowhere-zero 3-flows of highly connected graphs</a> , (with C. Q. Zhang) Discrete Math, 110 (1992) 179-183. (93m:05105).
17	<a href="#">Uniformly dense generalized prisms over graphs</a> , (with Hobbs, H. Y. Lai and G. Weng) Congressus Numerantium 91 (1992) 99 - 105.
18	<a href="#">Duality of graph families</a> , (with H. Y. Lai) Discrete Math. 110 (1992) 165-177.
19	<a href="#">Supereulerian complementary graphs</a> , J. Graph Theory, 17 (1993) 263-273. (94a:05137).
20	<a href="#">Fractional arboricity, strength and principal partitions in graphs and matroids</a> , (with P. A. Catlin, J. W. Grossman, A. M. Hobbs) Discrete Appl. Math. 40 (1992) 285-302. (94g:05070).
21	<a href="#">Graph without <math>K_4</math>-minors</a> , (with H. Y. Lai) Ars Combinatoria, 36 (1993) 327-334. (94i:05078).
22	<a href="#">Edge-maximal <math>(k,l)</math>-graphs</a> , (with C. Q. Zhang) J. Graph Theory, 18 (1994) 227 - 240. (95g:05065)
23	<a href="#">Collapsible graphs and Matchings</a> , (with Z. H. Chen) J. Graph Theory, 17 (1993) 597-605.
24	<a href="#">Nowhere-zero flows in some regular graphs</a> , (with Z. H. Chen, H.Y. Lai, G. Weng) Congressus Numerantium, 97 (1993) 205-208.
25	<a href="#">Small circuit double covers of cubic multigraphs</a> , (with X. X. Yu and C. Q. Zhang) J. Combin. Theory (B), 60 (1994) 177 - 194. (95b:05122).
26	<a href="#">Jackson's conjecture on eulerian subgraphs</a> , (with Z. H. Chen, H. Y. Lai, G. Weng), Combinatorics, Graph Theory, Algorithms and Applications, (eds. by Y. Alavi et al), 53-58, World Scientific, River Edge, NJ (1994). (95k:05111).
27	<a href="#">Hamiltonian connected line graphs</a> , (with C. Q. Zhang) Ars Combinatoria, 38 (1994) 193 - 202. (96b:05099)
28	<a href="#">Cycles in line graphs</a> , (with Z. H. Chen) Congressus Numerantium, 105 (1994) 129 - 133, (97a:05130).
29	<a href="#">Every 4-connected line graph of a planar graph is hamiltonian</a> , Graphs and Combinatorics, 10 (1994) 249 - 253. (95i:05084).
30	<a href="#">Large survivable nets and the generalized prisms</a> , Discrete Appl. Math., 61 (1995) 181-185. (96e:05141).
31	<a href="#">The size of graphs with given inclusive connectivity</a> , Ars Combinatoria, 41 (1995) 225-239. (96e:05142).
32	<a href="#">Strength and fractional arboricity of complementary graphs</a> , (with G. Weng) Discrete Math., 143 (1995) 141-151. (96f:05104).
33	<a href="#">Vertex arboricity and maximum degree</a> , (with P. A. Catlin) Discrete Math., 141 (1995) 37-46. (96i:05045).
34	<a href="#">The size of graphs without nowhere-zero 4-flows</a> , J. Graph Theory, 19 (1995) 385-395. (96k:05119).
35	<a href="#">Supereulerian graphs and excluded induced minors</a> , Discrete Math., 146 (1995) 133-143. (96k:05124).

36	<a href="#">Every matroid is a submatroid of a uniformly dense matroid</a> , Discrete Appl. Math., 63 (1995) 151-160. (97a:05050).
37	<a href="#">Reduction techniques for super-Eulerian graphs and related topics-a survey</a> , (with Z. H. Chen), Combinatorics and graph theory' 95, Vol. 1 (Hefei), 53-69, World Sci. Publishing, River Edge, NJ, 1995. (98h:05126).

<b>1996-2000</b>	
38	<a href="#">A note on the strong 2-cover conjecture for graphs without <math>K_5</math>-minors</a> , (with H. Y. Lai), J. Combin. Math. and Combin. Computing, 20 (1996) 242-244.
39	<a href="#">Supereulerian graphs and the Petersen graph</a> , (with Catlin), J. Combinatorial Theory, Ser B, 66 (1996) 123-139. (97a:05144).
40	<a href="#">A property on Edge-disjoint spanning trees</a> (with H.Y. Lai and Payan), Europ. J. Combinatorics, 17 (1996) 447-450. (97d:05064).
41	<a href="#">Reduction towards collapsibility</a> , Graph Theory, Combinatorics, and Algorithms, eds. Y. Alavi and A. Schwenk, John Wiley and Sons, New York, (1995), 661-670 . (97f:05187).
42	<a href="#">A note on mod <math>(2p+1)</math>-orientatable graphs</a> , J. Combin. Math. Combin. Computing, 22 (1996) 223-224. (97i:05053).
43	<a href="#">Graphs without spanning eulerian subgraphs</a> , (with P. A. Catlin and Z. Han), Discrete Math., 160 (1996) 81-91. (97m:05166).
44	<a href="#">Cycle covers of planar graphs</a> , Congressus Numerantium, 122 (1996) 33-46. (97k:05126).
45	<a href="#">The higher-order edge toughness of a graph and truncated uniformly dense matroids</a> , (with Z. H. Chen), J. Combin. Math. Combin. Computing, 22 (1996) 157-160. (97i:05063).
46	<a href="#">Generalized matroid packing and covering</a> , (with Z.-H. Chen and Y. Kuang) Congressus Numerantium, 127 (1997) 155-160. (98j:05045).
47	<a href="#">Eulerian subgraphs containing given vertices and hamiltonian line graphs</a> , Discrete Math., 178 (1998) 93-107. (99d:05094).
48	<a href="#">Supereulerian graph and the Petersen graph, II</a> , (with Z.-H. Chen), Ars Combinatoria, 48 (1998) 271-282. (99c:05123).
49	<a href="#">Group coloring and group connectivity of graphs</a> , (with Chen, Lei and Zhang), Congressus Numerantium, 134 (1998), 123-130. (99j:05068).
50	<a href="#">The strength and the l-edge-conenctivity</a> , (with K. Hennayake and X. Lei), Bull. of ICA, 26 (1999), 58-70. (99m:05092).
51	<a href="#">Even subgraphs of a graph</a> , (with Z. H. Chen), Combinatorics, graph theory, and algorithms, Vol. I, II (Kalamazoo, MI, 1996), 221--226, New Issues Press, Kalamazoo, MI, 1999. MR1985055.
52	<a href="#">Extending a partial nowhere zero 4-flow</a> , J. Graph Theory, 30 (1999), 277-288. (2000c:05077)
53	<a href="#">Edge integrity maximal graphs</a> , (with X. K. Zhang), J. Combin. Math. Combin. Comput. 30 (1999) 237-250. (2000d:05063).
54	<a href="#">Connectivity in cycle matroid and bicircular matroids</a> , (with Chen and Kuang), Ars Combinatoria, 52 (1999), 239-290. (2001d:05032).
55	<a href="#">Graph homomorphisms into the odd cycle</a> , (with B. Liu), Bulletin of the Inst. of Combin. and Appl., 28 (2000), 19-24. (2000i:05106).
56	<a href="#">Group connectivity of 3-edge-connected chordal graphs</a> , Graphs and Combinatorics, 16 (2000), 165-176. (2001f:05074).

<b>2001</b>	
58	<a href="#">Eulerian subgraph containing given edges</a> , Discrete Math, 230 (2001), 61-69. (2001k:05135).
59	<a href="#">Nowhere zero flows in line graphs</a> , (with Chen and H. Y. Lai), Discrete Mathematics, 230 (2001), 133-141. (2001k:05193).
60	<a href="#">Extremal size of graphs without a nowhere zero 3 flow</a> , (with Lei Xu) Bulletin

	of the Inst. of Combin. and Appl., 32 (2001), 90-95. ((2002a:05146).
61	<a href="#">Graph families operations</a> , (with Catlin and Hobbs), Discrete Math, 230 (2001), 71-97. (2002b:05124).
62	<a href="#">Line graphs and forbidden induced subgraphs</a> (with Soltes) J. Combinatorial Theory, Ser. B, 82 (2001) 38-55. (2002d:05104).
63	<a href="#">Hamilton weights and Petersen minors</a> , (with C. Q. Zhang), J. Graph Theory, 38 (2001), 197-219. (2002g:05120).

<b>2002</b>	
64	<a href="#">Group colorability of graphs</a> , (with X. Zhang), Ars Combinatoria, 62 (2002), 299-317. MR1881968
65	<a href="#">Group chromatic number of graphs without <math>K_5</math>-minors</a> , (with X. Zhang) Graphs and Combinatorics, 18 (2002), 147-154. (2002m:05089). MR1892440
66	<a href="#">Cycle cover ratio of regular matroids</a> , (with H. Poon), Europ. J. Combinatorics, 23 (2002), 1007-1014. MR1938354

<b>2003</b>	
67	<a href="#">Nowhere zero 3-flows in locally connected graphs</a> , J. Graph Theory, 42 (2003), 211-219. MR1958145
68	<a href="#">Eulerian subgraph in 3-edge-connected graphs and hamiltonian line graphs</a> , (with Zhihong Chen, Xiangwen Li, Deying Li and Jingzhong Mao) J. Graph Theory, 42 (2003), 308-319. MR1963103
69	<a href="#">Small cycle cover of 2-connected cubic graphs</a> , (with X. Li), Discrete Math., 269 (2003), 295-302. MR1989470
70	<a href="#">Upper bound of dynamic chromatic number</a> , (with B. Montgomery and H. Poon), Ars Combinatoria, 68 (2003), 193--201. MR1991048(2004e:05077)
71	<a href="#">Minimally (k,k)-edge-connected graphs</a> , (with K. Hennayake, Deying Li and Jingzhong Mao), J. Graph Theory, 44 (2003), 116-131. MR2003516

<b>2004</b>	
72	<a href="#">Global asymptotic stability in a rational recursive sequence</a> , (with Yang, Xiaofan; Evans, David J.; Megson, Graham M.) Appl. Math. Comput. 158 (2004), no. 3, 703--716. MR2095697
73	<a href="#">Generalized honeycomb torus is Hamiltonian</a> , (with Yang, Xiaofan; Evans, David J.; Megson, Graham M.) Inform. Process. Lett. 92 (2004), no. 1, 31--37. MR2085619
74	<a href="#">On the maximal connected component of hypercube with faulty vertices</a> , (with Xiaofan Yang, David J. Evans, Bill Chen, Graham M. Megson), Int. J. Comput. Math. 81(5): 515-525 (2004). MR2170899

<b>2005</b>	
75	<a href="#">Eulerian subgraphs and hamiltonian connected line graphs</a> , (with Li and Zhan), Discrete Applied Math 145 (2005) 422-428. MR2112533
76	<a href="#">Hamiltonian <math>N_2</math>-locally Connected Claw-Free Graphs</a> , (with Shao and Zhan), J. Graph Theory, 48 (2005), 142-146. MR2110584
77	<a href="#">Supereulerian planar graphs</a> , (with Deying Li, Jingzhong Mao and Mingquan Zhan), Ars Combinatoria, 75 (2005) 313-331. MR2133231
78	<a href="#">Nowhere zero 4-flow in regular matroids</a> , (with X. Li and H. Poon), J. Graph Theory, 49 (2005) 196-204. MR2145508
79	<a href="#">Spanning trails connecting given edges</a> , (with Li, Ou and Poon), Graphs and Combinatorics, 21 (2005) 77-88. MR2136711
80	<a href="#">Group Chromatic number of graph</a> , (with X. Li), Graphs and Combinatorics, 21 (2005) 469-474.

	<a href="#">MR2209176</a>
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<b>2006</b>	
81	<a href="#">Group connectivity of graphs with diameter at most 2</a> , (with X. J. Yao), European J. Combin., 27 (2006) 436-447. <a href="#">MR2206478</a>
82	<a href="#">Group Chromatic number of planar graphs with girth at east 4</a> , (with X. Li), J. Graph Theory, 52 (2006) 51-72. <a href="#">MR2214441</a>
83	<a href="#">Hamiltonicity in 3-connected Claw-Free Graphs</a> , (with Yehong Shao and Mingquan Zhan), J. of Combinatorial Theory, Series B. 96 (2006) 571-576. <a href="#">MR2232387</a>
84	<a href="#">Every 3-connected, essentially 11-connected claw-free graph is hamiltonian</a> , (with Y. Shao, H. Wu, and J. Zhou), J. of Combinatorial Theory, Series B. 96 (2006) 493-504. <a href="#">MR2232392</a>
85	<a href="#">Conditional Colorings of Graphs</a> , (with S. Fan, J. Lin, B. Montgomery, and Z. Tao), Discrete Math, 306 (2006) 1997-2004. <a href="#">MR2251583</a>
86	<a href="#">Collapsible biclaw-free graphs</a> , (with X. J. Yao), Discrete Math, 306 (2006) 2115-2117. <a href="#">MR2251832</a>
87	<a href="#">Erratum: Collapsible Biclaw-free Graphs</a> , (with X. J. Yao), Discrete Math, 307 (2007) 1217. <a href="#">MR2292551</a>
88	<a href="#">Spanning eulerian subgraphs in claw-free graphs</a> , (with Chen, Luo and Shao), J. Combinatorial Theory and Combinatorial Computing 59 (2006) 165--171. <a href="#">MR2277347</a>

<b>2007</b>	
89	<a href="#">New sufficient condition for hamiltonian graphs</a> , (with Y. Shao and K. Zhao), Applied Math Letters, 20 (2007) 116-122. <a href="#">MR2273619</a>
90	<a href="#">Quadrangularly connected claw-free graphs</a> , (with M. Li, C. Guo, L. Xiong, D. Li), Discrete Math. 307 (2007) 1205-1211. <a href="#">MR2292549</a>
91	<a href="#">Problems related to hamiltonian line graphs</a> , (with Yehong Shao), AMS/IP Studies in Advanced Mathematics, 39 (2007), 149-159. <a href="#">MR2338624</a>
92	<a href="#">On circular flows of graphs</a> , (with R. Xu and C. Q. Zhang), Combinatorica, 27 (2007) 245-246. <a href="#">MR2321927</a>
93	<a href="#">An inequality for the group chromatic number of a graph</a> , (with X. Li and G. Yu), Discrete Math., 307 (2007) 3076-3080. <a href="#">MR2371080</a>
94	<a href="#">Mod <math>(2p+1)</math>-orientations and <math>K_{1, 2p+1}</math>-decompositions</a> , SIAM J. of Discrete Math., 21 (2007) 844-850. <a href="#">MR2373336</a>
95	<a href="#">An <math>s</math>-Hamiltonian Line Graph Problem</a> , (with Z. H. Chen, D. Y. Li and W. Shiu), Graphs and Combinatorics, 23 (2007), 241-248. <a href="#">MR2320578</a>

<b>2008</b>	
96	<a href="#">Spanning cycles in regular matroids without <math>M^*(K_5)</math> minors</a> , (with B. Liu, Y. Liu and Y. Shao), European J. Combinatorics, 29 (2008), no. 1, 298-310. <a href="#">MR2368637</a>
97	<a href="#">On group connectivity of graphs</a> , (with R. Xu and J. Zhou), Graphs and Combinatorics, 24 (2008) 1-9. <a href="#">MR2410940</a>
98	<a href="#">Hamiltonian connected hourglass free line graphs</a> , (with D. X. Li, Y. H. Shao and M. Q. Zhan), Discrete Math., 308 (2008) 2634-2636. <a href="#">MR2410474</a>
99	<a href="#">Hamiltonian connected graphs</a> , (with K. W. Zhan and Ju Zhou), Computers and Mathematics with Applications, 55 (2008) 2707-2714. <a href="#">MR2401423</a>
100	<a href="#">New Sufficient Conditions for <math>s</math>-Hamiltonian Graphs and <math>s</math>-Hamiltonian Connected Graphs</a> , (with J. Yan, K. Zhao, and J. Zhou), Ars Combinatoria, 88 (2008), 217-227. <a href="#">MR2426418</a>
101	<a href="#">Group connectivity of certain graphs</a> , (with J. Chen, E. Eschen), Ars Combinatoria, 89 (2008) 141-158. <a href="#">MR2456240</a>
102	<a href="#">On <math>s</math>-hamiltonian-connected line graphs</a> , (with Liang and Shao), Discrete Math., 308 (2008) 4293-4297. <a href="#">MR2438182</a>
103	<a href="#">Every 4-connected line graph of a quasi claw-free graph is Hamiltonian connected</a> , (with Shao, and

	Zhan), Discrete Math., 308 (2008) 5312-5316. <a href="#">MR2450468</a>
104	<a href="#">Nowhere zero 3-flows in triangularly connected graphs</a> , (with G. Fan, R. Xu, C. Q. Zhang, and Q. Zhou), J. of Combinatorial Theory, Series B., 98 (2008) 1325-1336. <a href="#">MR2462322</a>
105	<a href="#">Degree Sequence and Supereulerian Graphs</a> , (with Suohai Fan, Yehong Shao, Taoye Zhang and Ju Zhou), Discrete Math., 308 (2008) 6626-6631. <a href="#">MR2466970</a>
106	<a href="#">A lower bound of the l-edge-connectivity and optimal graphs</a> , (with Lili Zhang, Kamal Hennayake, and Yehong Shao), J. of Combinatorial Mathematics and Combinatorial Computing, 66 (2008) 79-95. <a href="#">MR2436193</a>
107	<a href="#">The <math>\mathbb{S}</math>-Hamiltonian Index</a> , (with Elaine Eschen, Yehong Shao, and Lili Zhang), Discrete Math., 308 (2008) 4779-4785. <a href="#">MR2438182</a>

<b>2009</b>	
108	<a href="#">Random walks for selected boolean implication and equivalence problems</a> , (with K. Subramani, X. F. Gu), Acta Inform., 46 (2009), 155-168. <a href="#">MR2491032</a>
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