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Education

Ph.D. in Mathematics, Texas A&M University (2007)
M.S. in Mathematics, Peking University (2002)
B.S. in Mathematics, Peking University (1999)

Positions

Assistant Professor, the University of Memphis (2010-)
R. H. Bing Instructor, the University of Texas at Austin (2007-2010)

Research Interests

Geometry of Banach spaces and its applications, Frame theory, Non-Linear Functional Analysis, Approximation Properties

Grants

NSF grant DMS-1200370, \$150,000, 2012-2015.
NSF grant DMS-0800061, \$108,675, 2008-2012.
R. H. Bing fellowship, \$7,000 per year plus \$1,000 travel allowance, the University of Texas at Austin, 2007-2010.

Awards and Honors

AUF Fellowship, 2003-2004, Texas A&M University.
AUF Fellowship, 2004-2005, Texas A&M University.
VIGRE Graduate Fellowship, 2004-2005, Texas A&M University.
Guseman Prize, 2007, Texas A&M University.

Journal Services

- Referee for *Mathematische Annalen*.
- Referee for *Israel Journal of Mathematics*.
- Referee for *Bulletin of London Mathematical Society*.
- Referee for *Journal of Mathematical Analysis and Applications*.
- Referee for *Communications in Contemporary Mathematics*.
- Referee for *Houston Journal of Mathematics*.
- Referee for *Acta Mathematica Sinica, English Series*.
- Referee for *Acta Scientiarum Mathematicarum*.
- Reviewer for the American Mathematical Society.
- Reviewer for *Zentralblatt MATH*.

Publications

1. *On operators which factor through l_p or c_0* , **Studia Math.**, (176) 2006, no. 2, 177-190.
2. *A characterization of subspaces and quotients of reflexive Banach spaces with unconditional basis*, **Duke Mathematical Journal** 141 (2008), no. 3, 505-518 (with W. B. Johnson).
3. *On operators from separable reflexive spaces with asymptotic structure*, **Studia Math.**, 185 (2008), no. 1, 87-98.
4. *On the unconditional subsequence property*, **Journal of Functional Analysis**, 2010, Vol. 258, Issue 2, 604-615 (with E. Odell).
5. *A characterization of Schauder frames which are near-Schauder bases*, **Journal of Fourier Analysis and Applications**, 2010, Vol. 16, No. 5, 791-803 (with R. Liu).
6. *Subspaces and quotients of Banach spaces with shrinking unconditional bases*, **Israel Journal of Mathematics**, 185 (2011), 375-388 (with W. B. Johnson).
7. *Systems formed by translates of one element in $L_p(R)$* , **Transactions of the American Mathematical Society**, 363 (2011), no. 12, 6505-6529 (with E. Odell, B. Sari and Th. Schlumprecht).
8. *Remarks on Lipschitz p -summing operators*, accepted by **Proceedings of the American Mathematical Society**, 139 (2011), 2891-2898 (with D. Chen).
9. *Geometric properties on non-complete spaces*, **Quaestiones Mathematicae**, 34 (2011), no. 4, 489-511 (with Francisco J García-Pacheco).
10. *Commutators on $(\sum \ell_q)_{\ell_p}$* , **Studia Math.**, 206 (2011), no. 2, 175-190 (with D. Chen and W. B. Johnson).

11. *Strict isometries of arbitrary orders*, **Linear Algebra Appl.**, 436 (2012), no. 9, 33033314. (with F. Botelho and J. Jamison).
12. *Lipschitz p -integral operators and Lipschitz p -nuclear operators*, **Nonlinear Anal.**, 75 (2012), no. 13, 52705282 (with D. Chen).
13. *Three space problems for the approximation property*, **Acta Mathematica Sinica**, 29 (2013), no. 4, 625632 (with D. Chen).
14. *Isometries on spaces of vector valued Lipschitz functions*, **Positivity**, 17 (2013), no. 1, 4765 (with F. Botelho and J. Jamison).
15. *Norm closed ideals in the algebra of bounded linear operators on Orlicz sequence spaces*, accepted by **Proceedings of the American Mathematical Society** (with P. Lin and B. Sari).
16. *Circular operators on minimal norm ideals of $B(H)$* , accepted by **Linear and Multilinear Algebra** (with F. Botelho and J. Jamison).
17. *Commutators on $\ell_1(\ell_q)$ and $c_0(\ell_q)$* , accepted by **Journal of Mathematical Analysis and Applications**.
18. *The weak bounded approximation property of pairs*, accepted by **Proceedings of the American Mathematical Society** (with D. Chen and J. Kim).
19. *The strong approximation property and the weak bounded approximation property*, accepted by **Journal of Functional Analysis** (with J. Kim).
20. *Perturbations of frames*, accepted by **Acta Mathematica Sinica** (with D. Chen and L. Li).

Teaching Experiences

Math 142, Business Math II, Texas A&M University, Spring 2007.

Math 365C, Real Analysis I, the University of Texas at Austin, Fall 2007.

Math 408C, Differential and Integral Calculus, the University of Texas at Austin, Fall 2007.

Math 408L, Integral Calculus, the University of Texas at Austin, Spring 2008.

Math 408D, Sequences, Series, and Multivariable Calculus, the University of Texas at Austin, Fall 2008.

Math 362K, Probability I, the University of Texas at Austin, Fall 2008.

Math 408K, Differential Calculus, the University of Texas at Austin, Spring 2009.

Math 408K, Differential Calculus, the University of Texas at Austin, Fall 2009.

Math 362K, Probability I, the University of Texas at Austin, Fall 2009.

Math 408L, Integral Calculus, the University of Texas at Austin, Spring 2010.

Math 3242, Introduction to Linear Algebra, the University of Memphis, Fall 2010.

- Math 1720, Trigonometry, the University of Memphis, Spring 2011.
- Math 7411, Point Set Topology, the University of Memphis, Spring 2011.
- Math 1710, College Algebra, the University of Memphis, Fall 2011.
- Math 1830, Elementary Calculus, the University of Memphis, Spring 2012.
- Math 3120, Differential Equations, the University of Memphis, Summer 2012.
- Math 4350-6350, Introduction to Real Analysis I, the University of Memphis, Fall 2012.
- Math 4351-6351, Introduction to Real Analysis II, the University of Memphis, Spring 2013.
- Math 2702, Introduction to Proofs/Fundamental Math, the University of Memphis, Summer 2013.
- Math 1720, Trigonometry, the University of Memphis, Fall 2013.

Academic Services

- Semczar of Workshop in Analysis and Probability, Texas A&M University, 2005.
- Semczar of Workshop in Analysis and Probability, Texas A&M University, 2006.
- Organizer of Graduate Working Seminar in Functional Analysis at Texas A&M University (funded by the Owen Chair and Workshop in Analysis and Probability), Fall 2006.
- Co-organizer of Seminar in Banach spaces, the University of Texas at Austin, 2007-2009.
- Co-organizer of Seminar in Analysis, the University of Memphis, 2010-.
- Co-organizer of Special Session on Banach space theory and Applications, International Conference on Mathematics and Statistics, University of Memphis, May 2012.

Conferences and Talks

- Invited talk, Special Session on Geometry of Banach spaces and Connections with Other Areas, Sectional Meeting of the American Mathematical Society, Miami, Florida, April 2006.
- Invited talk, SUMIRFAS 2006 at Texas A&M University.
- Invited talk, Seminar of the Workshop in Analysis and Probability, Texas A&M University, July 2008.
- Invited talk, Special Session on Set Theory and Banach Spaces, Annual Meeting of the American Mathematical Society, San Diego, California, January, 2008.
- Invited talk, International Conference on Interdisciplinary Mathematical & Statistical Techniques, Memphis, May 2008

- Invited talk, Seminar of the Workshop in Analysis and Probability, Texas A&M University, July 2009.
- Invited talk, The Sixth Conference on Function Spaces, Southern Illinois University at Edwardsville, Illinois, May 2010.
- Invited talk, Conference on Perspectives in High Dimensions, Case Western University, Cleveland, Ohio, August 2010.
- Invited colloquium talk, the University of North Texas, November, 2010.
- Invited seminar talk, the University of Mississippi, March, 2011.
- Invited talk, Summer Meeting of the Canadian Mathematical Society, the University of Alberta, Canada, June 2011.
- Invited Talk, Workshop on Banach space theory, Banff international research station, March 2012.
- Invited talk, Workshop on Analysis and Probability, Texas A&M University, July 2012.
- Invited talk, AMS sectional meeting, Special Session on Banach Spaces and Operators on Them, University of Mississippi, March 2013.
- Invited talk, Lindenstrauss Memorial Conference, Hebrew University, May 2013.
- Invited Colloquium talk, Xiamen University, China, June 2013.
- Invited talk, Legacy of Ted Odell, Texas A&M University, August 2013.
- Invited talk, AMS sectional meeting, Special Session on Linear and Nonlinear Geometry of Banach Spaces, St. Louis, October 2013.
- Invited talk, AMS national meeting, Special Session on Banach Spaces, Metric Embeddings and Applications, Baltimore, January 2014.