

# Списък на цитирания на всички публикации на Денка Куцарова

2014 (над 300 цитирания)

Цитиранията на статиите, представени за конкурса, са 170.

Публикациите, които цитират тези статии, са отбелязани със символа \*. Цитираните статии на автора, номерирани според пълния списък, са изписани с по-плътен шрифт след всяка публикация, като тези за конкурса отново са отбелязани със символа \*.

## 1 Цитирания в ICM

1. \* B. Bollobás *The work of William Timothy Gowers*, Proc. Internat. Congress Math. Berlin 1998, pp 109–118. Cites [39]\*
2. \* N. Tomczak-Jaegerman, *From finite- to infinite- dimensional phenomena in geometric functional analysis on local and asymptotic levels*, Proc. Internat. Congress Math. Berlin 1998, vol. 2, pp 731–742. Cites [42]\*
3. \* E. Odell and Th. Schlumprecht, *Distortion and stabilized structure in Banach spaces; new geometric phenomena for Banach and Hilbert spaces*, Proc. Internat. Congress Math. Zürich 1994, vol. 1,2 (1995), pp 954–965. Cites [39]\*

## 2 Цитирания в книги

1. \* Simon Foucart, Holger Rauhut, *A Mathematical Introduction to Compressive Sensing*, Springer, 2013. [60]\*, [61]\*
2. \* V. Temlyakov, *Greedy approximation*, Cambridge Monographs on Applied and Computational Mathematics, 20. Cambridge University Press, Cambridge, 2011. [49]\*, [53]\*
3. \* Hajek, P., Montesinos Santalucia, V., Vanderwerff, J., Zizler, V., *Biorthogonal Systems in Banach Spaces*, CMS Books in Mathematics, 2008, XVIII, 342 p., Hardcover, ISBN: 978-0-387-68914-2. [3], [10], [32], [43]\*
4. \* W. B. Johnson and J. Lindenstrauss editors, *Handbook on the Geometry of Banach Spaces*, vol. II, North-Holland, Amsterdam, 2003. [3], [45]\*
5. \* W. B. Johnson and J. Lindenstrauss editors, *Handbook on the Geometry of Banach Spaces*, vol. I, North-Holland, Amsterdam, 2001. [5], [43]\*
6. \* C. Ward Hensen, J. Iovino, A. Kechris, and E. Odell, *On subspaces, asymptotic structure and distortions of Banach spaces, connections with logic*, Analysis and Logic, C. Finet and C. Michaux, eds, London Math. Soc. Lecture Notes Ser. 262. Cambridge University Press, Cambridge, 2002. [42]\*, [45]\*

7. M. Fabian, *Differentiability of Convex Functions and Topology: Weak Asplund Spaces*, Wiley, 1997. [3]
8. \* D. Pallaschke, S. Rolewicz, *Foundations of Mathematical Optimization: Convex Analysis without Linearity*, Kluwer Academic, 1997. [16]\*, [19], [37]
9. P. Habala, P. Hájek and V. Zizler, *Introduction to Banach Spaces I,II*, Matfyzpress, Prague, 1996. [3]
10. \* R. Deville, G. Godefroy, and V. Zizler, *Smoothness and Renorming in Banach Spaces*, Longman Sci. Text (Pitman, ed.), vol. 64, 1993. [3], [5], [7], [17]\*, [18], [20]\*, [35]
11. A. Aksoy and M. Khamsi, *Nonstandard Methods in Fixed Point Theory*, Springer, 1990. [3]

### 3 Цитирования в статьи

1. \* J. Castillo, V. Ferenczi, Y. Moreno, On Uniformly Finitely Extensible Banach spaces, J. Math. Anal. Appl. 410 (2014), no. 2, 670–686. [45]\*
2. \* J. Liu, M. Mallick, CZ Han, XH Yao, F Lian, Similar sensing matrix pursuit: An efficient reconstruction algorithm to cope with deterministic sensing matrix, Signal Processing 95 (2014), 101–110. [60]\*
3. \* Hatef Monajemia, Sina Jafarpourb, Matan Gavishc, and David L. Donoho, Deterministic matrices matching the compressed sensing phase transitions of Gaussian random matrices, Proceedings of the National Academy of Sciences of the United States of America PNAS, 110 (2013), no. 4, 1181–1186. [60]\*
4. \* J.D. Blanchard, Toward deterministic compressed sensing, Proceedings of the National Academy of Sciences of the United States of America PNAS, 110 (2013), no. 4, 1146–1147. [60]\*
5. \* A.S. Tehrani, A.G. Dimakis, G. Caire, Optimal deterministic compressed sensing matrices, Acoustics, Speech and Signal Processing (ICASSP), (2013). [60]\*
6. \* T.L.N. Nguyen, Y. Shin, Deterministic Sensing Matrices in Compressive Sensing: A Survey, The Scientific World Journal Volume 2013 (2013), Article ID 192795. [60]\*
7. \* F. Zhou, Y.J. Pei, H. Wu, Z.J. Chen, Bone Repair with Compressive Sensing Based on MRI, Applied Mechanics and Materials, (2013) - Trans Tech Publ, 4019–4022. [60]\*
8. \* L. L. Morotti, Reconstruction of Fourier Sparse Signals over Elementary Abelian Groups, Electronic Notes in Discrete Mathematics 43 (2013), 161–167. [60]\*
9. \* K. Bibak, Additive Combinatorics: With a View Towards Computer Science and Cryptography—An Exposition, Number Theory and Related Fields, Springer Proceedings in Mathematics & Statistics 43 (2013), 99–128. [60]\*
10. \* B.G. Bodmann, Frames as codes, Applied and Numerical Harmonic Analysis (2013), 241–266. [60]\*
11. \* Y. Berthoumieu, C. Dossal, N. Pustelnik, and P. Ricoux. An evaluation of the sparsity degree for sparse recovery with deterministic measurement matrices, J. Math. Imaging Vis., Springer, (2013). [60]\*
12. \* G. Garrigos, E. Hernandez and T. Oikhberg, Lebesgue-Type Inequalities for Quasi-greedy Bases, Constructive Approximation, 38 (2013), no. 3, 447–470. [52]\*

13. \* P.A.H. Brooker, G. Lancien, Three-space property for asymptotically uniformly smooth renormings, *J. Math. Anal. Appl.*, 398 (2013), no. 2, 867–871. **[16]\***, **[20]\***
14. \* V. Ferenczi, T. Schlumprecht, Subsequential minimality in Gowers and Maurey spaces, *Proc. London Math. Soc.* 106 (2013), no. 1, 163–202. **[45]\***
15. \* C.S. Gunturk, Mathematics of Analog-to-Digital Conversion, *Communications on Pure and Applied Mathematics*, 65 (2012), Issue 12, 1671–1696. **[60]\***
16. \* H. Chen, J. Liu, A Distributed Compressed Sensing for Images Based on Block Measurements Data Fusion, *A Journal of Software Engineering and Applications*, (2012). **[60]\***
17. \* F. Zhou, Y. Pei, H. Wu, Z. Chen, Enhancing MRI-based bone repair with compressive sensing, *Electronic System-Integration, IEEE* (2012). **[60]\***
18. \* W. Dai, O. Milenkovic, H. Vin Pham, Structured sublinear compressive sensing via belief propagation, *Physical Communication* 5 (2012), Issue 2, 76–90. **[60]\***
19. \* S. Li, F. Gao, G. Ge, S. Zhang, Deterministic construction of compressed sensing matrices via algebraic curves, *Information Theory, IEEE* 58 (2012), Issue:8. **[60]\***
20. \* T. Strohmer, Measure what should be measured: progress and challenges in compressive sensing, *Signal Processing Letters, IEEE*, 19 (2012), Issue:12. **[60]\***
21. \* H. Zhang, L. Cheng, On the Constrained Minimal Singular Values for Sparse Signal Recovery, *Signal Processing Letters* 19 (2012), Issue:8. **[60]\***
22. T. Dominguez Benavides, Some questions in metric fixed point theory, by AW Kirk, revisited, *Arab. J. Math.* (2012), 1; 431–438. **[3]**
23. A. Assadi and H. Haghshenas, Some Classical and Recent Results Concerning Renorming Theory, *Thai Journal of Mathematics*, 10 (2012), no. 3, 481–495. **[3]**
24. \* V. Ferenczi and C. Rosendal, Banach spaces without minimal subspaces - Examples (Part II). *Annales de l'Institut Fourier* 62 (2012), no. 2, 439–475. **[42]\***, **[58]\***
25. \* V. Lima and N. Lovasova Randrianarivony. Property  $(\beta)$  and Uniform Quotient Maps, *Israel J. Math.* 192 (2012), no. 1, 311–323. **[12]**, **[20]\***
26. \* S. A. Argyros, K. Beanland, T. Raikoftsalis. An extremely non-homogeneous weak Hilbert space. *Trans. Amer. Math. Soc.* 364 (2012), no. 9, 4987–5014. **[44]\***, **[57]\***
27. \* Bailey, J. ; Iwen, M. A. ; Spencer, C. V. On the design of deterministic matrices for fast recovery of Fourier compressible functions. *SIAM J. Matrix Anal. Appl.* 33 (2012), no. 1, 263–289. **[60]\***
28. \* Fickus, Matthew ; Mixon, Dustin G. ; Tremain, Janet C. Steiner equiangular tight frames. *Linear Algebra Appl.* 436 (2012), no. 5, 1014–1027. **[60]\***
29. \* Sánchez, Félix Cabello ; Castillo, Jesús M. F. ; Suárez, Jesús . On strictly singular nonlinear centralizers. *Nonlinear Anal.* 75 (2012), no. 7, 3313–3321. **[39]\***
30. Wulede, Suyalatu ; Ha, Wudunqiqige. A new class of Banach space with the drop property. *Proc. Roy. Soc. Edinburgh Sect. A* 142 (2012), no. 1, 215–224. **[28]**
31. \* Dilworth, S. J.; Odell, E.; Schlumprecht, Th.; Zsák, A. Renormings and symmetry properties of 1-greedy bases. *J. Approx. Theory* 163 (2011), no. 9, 1049–1075. **[45]\***

32. \* Hansen, Markus; Sickel, Winfried; Best  $m$ -term approximation and Lizorkin-Triebel spaces. *J. Approx. Theory* 163 (2011), no. 8, 923–954. **[52]\***
33. \* E. Hernandez, J. M. Martell and M. de Natividade. Quantifying democracy of wavelet bases in Lorenz spaces. *Constructive Approx.* 33 (2011), no. 1, 1–14. **[52]\***
34. \* Xu, Zhiqiang. Deterministic sampling of sparse trigonometric polynomials. *J. Complexity* 27 (2011), no. 2, 133–140. **[60]\***
35. \* Cheng, Qing Jin; Wang, Bo; Wang, Cui Ling. On uniform convexity of Banach spaces. *Acta Math. Sin. (Engl. Ser.)* 27 (2011), no. 3, 587–594. **[18], [20]\***
36. \* Felix Krahmer and Rachel Ward, New and Improved Johnson–Lindenstrauss Embeddings via the Restricted Isometry Property, *SIAM J. Math. Anal.*, 43 (2011), no.3, 1269–1281. **[60]\***
37. \* A. Mazumdar, A. Barg, General constructions of deterministic (S) RIP matrices for compressive sampling, *Information Theory Proceeding*, (2011). **[60]\***
38. \* M. Cheraghchi, Coding-theoretic methods for sparse recovery, *Control, and Computing (Allerton)*, (2011). **[60]\***
39. \* M. Fickus, DG Mixon, Deterministic matrices with the restricted isometry property, *SPIE Proceedings* 8138, *Frame Theory and Applications I*, (2011). **[60]\***
40. \* Z. Liu, X. Wei, X. Li, Aliasing-free moving target detection in random pulse repetition interval radar based on compressed sensing, *Sensors Journal, IEEE*, 13 (2011) Issue:7. **[60]\***
41. \* S. Gogyan, On a greedy algorithm in  $L^1(0, 1)$  for subsequences of Haar system and on  $\omega$ -quasi-greedy bases (in Russian) *Mat. Zametki* 88:1 (2010), 18–29. **[49]\***
42. T. Dominguez Benavides, The Szlenk Index and the Fixed Point Property under Renorming, *Fixed Point Theory and Applications* (2010), Art. ID 268270, 9 pp. **[3]**
43. M. Raja, On weak\* uniformly Kadec-Klee renormings. *Bull. Lond. Math. Soc.* 42 (2010), no. 2, 221–228. **[32]**
44. \* E. D. Livshits. The convergence of the greedy algorithm with respect to the Haar system in the space  $L_p(0, 1)$ . *Sbornik Math.* 201 (2010), 253–288. **[50]\***
45. \* S. A. Argyros, I. Deliyanni and A. G. Tolias. Strictly singular non-compact diagonal operators on HI spaces. *Houston J. Math.* 36 (2010), 513–566. **[45]\***
46. \* F. Albiac, C. Leranoz. Drops in quasi-Banach spaces. *J. Geom. Anal.* 20 (2010), 525–537. **[15], [16]\*, [17]\***
47. \* Saejung, Satit. Another look at Cesaro sequence spaces. *J. Math. Anal. Appl.* 366 (2010), no. 2, 530–537. **[20]\*, [23]**
48. \* Gogyan, Smbat. An example of an almost greedy basis in  $L_1(0, 1)$ . *Proc. Amer. Math. Soc.* 138 (2010), no. 4, 1425–1432. **[49]\*, [52]\*, [53]\***
49. \* Anisca, Razvan. The ergodicity of weak Hilbert spaces. *Proc. Amer. Math. Soc.* 138 (2010), no. 4, 1405–1413. **[57]\***
50. \* Jesus M.F. Castillo and Anatolij Plichko, Banach spaces in various positions, *Journal of Functional Analysis* Volume 259, Issue 8, 15 October 2010, Pages 2098-2138. **[44]\***

51. \* Moreno, Jose Pedro; Seeger, Alberto. External analysis of boundary points of convex sets: supporting cones and drops. *J. Convex Anal.* 16 (2009), no. 3-4, 939–957. **[17]\***
52. \* Moreno, Jose Pedro; Seeger, Alberto. External analysis of boundary points of convex sets: illumination and visibility. *Math. Scand.* 105 (2009), no. 2, 265–286. **[17]\***
53. \* Gogyan, Smbat. On convergence of weak thresholding greedy algorithm in  $L^1(0, 1)$ . *J. Approx. Theory* 161 (2009), no. 1, 49–64. **[49]\***
54. Fan, Ming. Some quantitative interpolation theorems under Lions-Peetre’s methods. *J. Convex Anal.* 16 (2009), no. 2, 487–499. **[30], [40]**
55. Koszmider, Piotr. On a problem of Rolewicz about Banach spaces that admit support sets. *J. Funct. Anal.* 257 (2009), no. 9, 2723–2741. **[10]**
56. \* Nielsen, Morten. Trigonometric quasi-greedy bases for  $L^p(T; w)$ . *Rocky Mountain J. Math.* 39 (2009), no. 4, 1267–1278. **[52]\***
57. \* Kummer, Bernd. Inclusions in general spaces: Hoelder stability, solution schemes and Ekeland’s principle. *J. Math. Anal. Appl.* 358 (2009), no. 2, 327–344. **[17]\***
58. \* A. Danelia and E. Karanadze. An almost greedy uniformly bounded orthonormal basis in  $L_p([0, 1])$  spaces. *Georgian Math. J.* 16 (2009), 465–74. **[52]\***
59. \* P. Kosmol, D. Muller-Wichards. Strong solvability in Orlicz spaces. *J. Contemp. Math. Anal. - Armenian Acad. Sci.* 44 (2009), 790–99. **[50]\***
60. \* T. Matrai. More cofinal types of defined directed graphs. *Trans. Amer. Math. Soc.* 137 (2009), 1115–1125. **[42]\***
61. \* V. Ferenzi and C. Rosendal. Banach spaces without minimal subspaces, *J. Funct. Anal.* 257 (2009), no. 1, 149–193.. **[42]\*, [58]\***
62. \* Gasparis, I. New examples of  $c_0$ -saturated Banach spaces. *Math. Ann.* 344 (2009), no. 2, 491–500. **[42]\***
63. \* Ganichev, M.; Kalton, N. J. Convergence of the dual greedy algorithm in Banach spaces. *New York J. Math.* 15 (2009), 73–95. **[50]\*, [59]\***
64. Dominguez Benavides, T. A renorming of some nonseparable Banach spaces with the fixed point property. *J. Math. Anal. Appl.* 350 (2009), no. 2, 525–530. **[3]**
65. \* Pelczar, Anna Maria. Note on distortion and Bourgain l1-index. *Studia Math.* 190 (2009), no. 2, 147–161. **[57]\*, [58]\***
66. \* M. Nielsen, Trigonometric quasi-greedy bases for  $L^p([0, 1])$ , *Rocky Mtn. J. Math.* 39 (2009), 1267–1278. **[52]\***
67. \* C. Donnini, A. Martellotti. The small ball drop property. *Australian J. Math. Anal. Appl.* 5 (2008), no. 2., Art. 8, 7 pp. **[11], [17]\*, [19]**
68. \* D. Leung, W.-K. Tang. More mixed Tsirelson spaces that are not isomorphic to their modified versions, *Illinois J. Math.* 52 (2008), no. 1, 17–46. **[42]\***
69. \* Garrigós, G., Hernández, E., Martell, J.M., Wavelets, Orlicz spaces, and greedy bases, *Applied and Computational Harmonic Analysis* 24 (1) (2008), pp. 70–93. **[52]\***

70. \* Galego, Elói Medina. Cantor-Schroeder-Bernstein quadruples for Banach spaces. *Colloq. Math.* 111 (2008), no. 1, 105–115. **[43]\***
71. \* Temlyakov, V. N. Greedy approximation. *Acta Numer.* 17 (2008), 235–409. ISBN 978-0-521-51642-6. **[49]\***, **[53]\***
72. \* Grigoryan, M. G.; Sargsyan, A. A. Nonlinear approximation of continuous functions in the Faber-Schauder system. (Russian) *Mat. Sbornik* 199 (2008), no. 5, 3–26; translation in *Sbornik Math.* 199 (2008), no. 5-6, 629–653 (2008). **[53]\***
73. Qiu, J. H.; Rolewicz, S. Ekeland’s variational principle in locally  $p$ -convex spaces and related results. *Studia Math.* 186 (2008), no. 3, 219–235. **[29]**
74. Montesinos, Vicente. Drop property on locally convex spaces. *Studia Math.* 185 (2008), no. 2, 143–149. **[11]**
75. \* Garrigos, Gustavo; Hernandez, Eugenio; Martell, Jose Maria. Wavelets, Orlicz spaces, and greedy bases. *Appl. Comput. Harmon. Anal.* 24 (2008), no. 1, 70–93. **[52]\***
76. \* Nielsen, Morten; Sikic, Hrvoje. Quasi-greedy systems of integer translates. *J. Approx. Theory* 155 (2008), no. 1, 43–51. **[52]\***
77. He, Fei. Drop theorem and drop property in topological linear spaces. (Chinese). *Acta Math. Sinica (Chin. Ser.)* 51 (2008), no. 2, 343–350. **[11]**, **[19]**
78. \* V. A. Khan, Nearly Uniform Convexity of a Nörlund-Musielak-Orlicz Sequence Space, *International Mathematical Forum*, 3, 2008, no. 39, 1945 - 1958. **[20]\***
79. Dowling, Patrick N.; Photi, Supaluk; Saejung, Satit. Kadec-Klee and related properties of direct sums of Banach spaces. *J. Nonlinear Convex Anal.* 8 (2007), no. 3, 463–469. **[30]**
80. \* M. Gonzales. Banach spaces with small Calkin algebras. *Perspectives in operator theory, Banach Center publications* 75 (2007), 159–170. **[42]\***
81. \* N. J. Kalton, GREEDY ALGORITHMS AND BASES FROM THE POINT OF VIEW OF BANACH SPACE THEORY, *Advanced Courses of Mathematical Analysis II*, edited by A. Rodriguez Palacios 2007, 76–86. **[50]\***
82. \* J. H. Qiu, Strong Minkowski separation and co-drop property, *Acta Mathematica Sinica, English Series* 23 (12) (2007), pp. 2295-2302. **[11]**, **[17]\***
83. \* M. Nielsen, An example of an almost greedy uniformly bounded orthonormal basis for  $L_p(0, 1)$ , *J. Approximation Theory* 149 (2) (2007), pp. 188-192. **[52]\***
84. \* Maslyuchenko, O. V. , Mykhaylyuk, V. V. , Popov, M. M. Asymptotic structure and the existence of noncompact operators between Banach spaces. *J. Funct. Anal.* 253 (2007), no. 2, 550–560. **[54]\***
85. \* Tcaciuc, Adi. On the existence of asymptotic- $l_p$  structures in Banach spaces. *Canad. Math. Bull.* 50 (2007), no. 4, 619–631. **[42]\***, **[54]\***, **[57]\***
86. Qiu, J. H. , Rolewicz, S. Local completeness of locally pseudoconvex spaces and Borwein-Preiss variational principle. *Studia Math.* 183 (2007), no. 2, 99–115. **[19]**
87. \* Khan, Vakeel A. On Riesz-Musielak-Orlicz sequence spaces. *Numer. Funct. Anal. Optim.* 28 (2007), no. 7-8, 883–895. **[20]\***

88. \* Grigoryan, M. G. , Sargsyan, A. A. Divergence a.e. of the greedy algorithm by Faber-Schauder system for continuous functions. *East J. Approx.* 13 (2007), no. 2, 199–209. **[53]\***
89. Wong, Chi-Wing. A drop theorem without vector topology. *J. Math. Anal. Appl.* 329 (2007), no. 1, 452–471. **[29]**
90. \* Argyros, Spiros A. , Dodos, Pandelis. Genericity and amalgamation of classes of Banach spaces. *Adv. Math.* 209 (2007), no. 2, 666–748. **[43]\***
91. \* Pelczar, Anna Maria. Stabilization of Tsirelson-type norms on  $l_p$  spaces. *Proc. Amer. Math. Soc.* 135 (2007), no. 5, 1365–1375. **[42]\***
92. \* Wulede, Sayalatu; Han, Alatengsubude; Bao, Laiyou. Some geometric properties related to smoothness of Banach spaces. *Nonlinear Anal.* 66 (2007), no. 3, 723–734. **[13], [20]\*, [28]**
93. \* A. A. Sargsyan, Divergence of the greedy algorithm in the Faber-Schauder system on a continuum cardinality set, *Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences)* 42 (2007), 109–115. **[53]\***
94. Somyot Plubtieng and Kasamsuk Ungchittrakool, Strong convergence theorems of block iterative methods for a finite family of relatively nonexpansive mappings in Banach spaces, *J. Nonlinear and Convex Anal.*, Volume 8, Number 3, December 2007, pp. 431–450. **[30]**
95. \* G. Godefroy, A glimpse at Nigel Kalton’s work, in book “Banach spaces and their applications in analysis”, De Gruyter, 2007, pages 1–35. **[49]\***
96. M. Fabian, V. Montesinos, V. Zizler, Smoothness in Banach spaces. Selected problems, *Rev. R. Acad. Cien. Serie A Mat.* 100 (1-2) (2006), 101–125. **[3]**
97. \* J. López Abad and S. Todorćevic, Partial unconditionality of weakly null sequences, *Rev. R. Acad. Cien. Serie A. Mat.* 100 (1-2) (2006), 237–277. **[52]\*, [53]\***
98. Defant, Andreas; Prengel, Christopher. Harald Bohr meets Stefan Banach. *Methods in Banach space theory*, 317–339, *London Math. Soc. Lecture Note Ser.*, 337, Cambridge Univ. Press, Cambridge, 2006. **[52]\***
99. Qiu, Jing Hui. Streaming sequence characterizations of drop property and local drop property. (Chinese) *Acta Math. Sinica (Chin. Ser.)* 49 (2006), no. 2, 327–334. **[11], [19]**
100. Garcíá, F. Expandable network and covering properties for uniform Eberlein compacta. *Topology Appl.* 153 (2006), no. 15, 2886–2892. **[3]**
101. \* Gribonval, Rémi , Nielsen, Morten. Nonlinear approximation with dictionaries. II. Inverse estimates. *Constr. Approx.* 24 (2006), no. 2, 157–173. **[52]\***
102. Todorćevic, Stevo. Biorthogonal systems and quotient spaces via Baire category methods. *Math. Ann.* 335 (2006), no. 3, 687–715. **[10]**
103. \* Leung, Denny H. , Tang, Wee-Kee.  $l^1$ -spreading models in subspaces of mixed Tsirelson spaces. *Studia Math.* 172 (2006), no. 1, 47–68. **[42]\***
104. \* Albiac, F. , Wojtaszczyk, P. Characterization of 1-greedy bases. *J. Approx. Theory* 138 (2006), no. 1, 65–86. **[52]\***
105. \* Grigoryan, M. G.; Gogyan, S. L. Nonlinear approximation in the Haar system and modifications of functions. (Russian. English, Russian summary) *Anal. Math.* 32 (2006), no. 1, 49–80. **[49]\***

106. E. Llorens-Fuster, The fixed point property for renormings of  $\ell_2$ , in book “Seminar on mathematical analysis”, By Daniel Girela, Daniel Girela Alvarez, G. (Genaro) López Acedo, Rafael Villa Caro, Universidad de Sevilla, 2006. [25].
107. \* Ferenczi, Valentin. Topological 0-1 laws for subspaces of a Banach space with a Schauder basis. Illinois J. Math. 49 (2005), no. 3, 839–856. [45]\*
108. \* Gasparis, I. Operators on  $C[0, 1]$  preserving copies of asymptotic  $l_1$  spaces. Math. Ann. 333 (2005), no. 4, 831–858. [42]\*, [45]\*
109. \* Kolwicz, Paweł. On property  $\beta$  of Rolewicz in Köthe-Bochner function spaces. Bull. Pol. Acad. Sci. Math. 53 (2005), no. 1, 75–85. [12], [13], [20]\*, [23], [24]
110. \* Gogyan, Smbat. Greedy algorithm with regard to Haar subsystems. East J. Approx. 11 (2005), no. 2, 221–236. [49]\*, [52]\*
111. Rychtář, Jan. Pointwise uniformly rotund norms. Proc. Amer. Math. Soc. 133 (2005), no. 8, 2259–2266. [3], [7], [48]
112. \* Sargsyan, A. A. On the quasi-greedy basis property of the Faber-Schauder system. (Russian. English, Armenian summary) Dokl. Nats. Akad. Nauk Armen. 105 (2005), no. 4, 333–337. [53]\*
113. \* Kyugeun Cho and Chongsung Lee, AVERAGING PROPERTIES AND SPREADING MODELS, J. Korean Math. Soc. 42 (2005), No. 5, pp. 1017–1030. [45]\*
114. \* G. Goga. Some equivalent geometrical results with Ekeland’s variational principle. An. St. Univ. Ovidius Constanta 13 (2005), 79–88. [11], [17]\*, [37]
115. \* Galego, Elói Medina. On pairs of Banach spaces which are isomorphic to complemented subspaces of each other. Colloq. Math. 101 (2004), no. 2, 279–287. [43]\*
116. \* Leung, Denny H. , Tang, Wee-Kee.  $l^1$ -spreading models in mixed Tsirelson space. Israel J. Math. 143 (2004), 223–238. [42]\*, [45]\*
117. \* Sari, Bünyamin. Envelope functions and asymptotic structures in Banach spaces. Studia Math. 164 (2004), no. 3, 283–306. [45]\*, [54]\*
118. \* Hudzik, Henryk , Kolwicz, Paweł. On property  $(\beta)$  of Rolewicz in Köthe-Bochner sequence spaces. Studia Math. 162 (2004), no. 3, 195–212. [12], [13], [20]\*, [23], [24]
119. \* Qiu, J. H. Weak countable compactness implies quasi-weak drop property. Studia Math. 162 (2004), no. 2, 175–182. [10], [17]\*, [19], [37]
120. \* Gribonval, Rémi , Nielsen, Morten. Nonlinear approximation with dictionaries. I. Direct estimates. J. Fourier Anal. Appl. 10 (2004), no. 1, 51–71. [52]\*
121. \* Kamont, A. , Temlyakov, V. N. Greedy approximation and the multivariate Haar system. Studia Math. 161 (2004), no. 3, 199–223. [53]\*
122. \* Kerkycharian, Gérard , Picard, Dominique. Entropy, universal coding, approximation, and bases properties. Constr. Approx. 20 (2004), no. 1, 1–37. [52]\*
123. \* P. Wojtaszczyk, P. Greedy type bases in Banach spaces. Constructive theory of functions, 136–155, DARBA, Sofia, 2003. [52]\*
124. \* J. Lember, On trimmed Polya algorithm. Far East J. Theor. Stat. 11 (2003), no. 1, 43–76. [52]\*



125. Kato, Mikio , Saito, Kichi-Suke , Tamura, Takayuki. On  $\psi$ -direct sums of Banach spaces and convexity. *J. Aust. Math. Soc.* 75 (2003), no. 3, 413–422. **[24]**, **[30]**
126. \* Kolwicz, Paweł. On property  $(\beta)$  and orthogonal convexities in generalized Calderón-Lozanowski sequence spaces. (English summary) *Function spaces*, 138–159, World Sci. Publ., River Edge, NJ, 2003. **[12]**, **[13]**, **[20]\***, **[23]**
127. \* Kolwicz, Paweł. Property  $(\beta)$  and orthogonal convexities in some class of Köthe sequence spaces. (English summary) *Publ. Math. Debrecen* 63 (2003), no. 4, 587–609. **[12]**, **[13]**, **[20]\***
128. \* Ganichev, M. , Kalton, N. J. Convergence of the weak dual greedy algorithm in  $L_p$ -spaces. *J. Approx. Theory* 124 (2003), no. 1, 89–95. **[50]\***
129. \* Livshits, E. D. Convergence of greedy algorithms in Banach spaces. (Russian) *Mat. Zametki* 73 (2003), no. 3, 371–389, translation in *Math. Notes* 73 (2003), no. 3-4, 342–358. **[50]\***
130. Jing-Hui, Qiu. Ekeland’s variational principle in locally complete spaces. *Math. Nachr.* 257 (2003), 55–58. **[11]**, **[18]**, **[19]**
131. García, César L. , Johnson, William B. Power type uniform convexity of  $\mathcal{X}$  via  $p$ -asymptotic uniform convexity of  $L_r(\mathcal{X})$ . *Houston J. Math.* 29 (2003), no. 2, 393–402. **[32]**
132. \* Argyros, S. A. , Deliyanni, I. , Manoussakis, A. Distortion and spreading models in modified mixed Tsirelson spaces. *Studia Math.* 157 (2003), no. 3, 199–236. **[45]\***
133. \* Qiu, J. H. On weak drop property and quasi-weak drop property. *Studia Math.* 156 (2003), no. 2, 189–202. **[11]**, **[17]\***, **[19]**, **[37]**
134. \* Androulakis, G. , Schlumprecht, T. The Banach space  $S$  is complementably minimal and subsequentially prime. *Studia Math.* 156 (2003), no. 3, 227–242. **[45]\***
135. Fabian, M. , Godefroy, G. , Hájek, P. , Zizler, V. Hilbert-generated spaces. *J. Funct. Anal.* 200 (2003), no. 2, 301–323. **[3]**
136. \* Manoussakis, A. Some remarks on spreading models and mixed Tsirelson spaces. *Proc. Amer. Math. Soc.* 131 (2003), no. 8, 2515–2525. **[45]\***
137. \* Leung, Denny H. , Tang, Wee-Kee. The Bourgain  $\ell_1$ -index of mixed Tsirelson space. *J. Funct. Anal.* 199 (2003), no. 2, 301–331. **[42]\***
138. Kolwicz, Paweł. Uniform Kadec-Klee property and nearly uniform convexity in Köthe-Bochner sequence spaces. *Boll. Unione Mat. Ital. Sez. B Artic. Ric. Mat.* (8) 6 (2003), no. 1, 221–235. **[24]**
139. \* Gasparis, I. Strictly singular non-compact operators on hereditarily indecomposable Banach spaces. *Proc. Amer. Math. Soc.* 131 (2003), no. 4, 1181–1189. **[42]\***, **[45]\***
140. \* B. Bodmann, A matching pursuit for the sphere based on the Poisson semigroup. *Sampl. Theory Signal Image Process.* 2 (2003), no. 2, 191–205. **[50]\***
141. Qiu, J. H. On the quasi-weak drop property. *Studia Math.* 151 (2002), no. 2, 187–194. **[11]**, **[19]**
142. \* Gasparis, I. A continuum of totally incomparable hereditarily indecomposable Banach spaces. *Studia Math.* 151 (2002), no. 3, 277–298. **[42]\***

143. \* Martellotti, Anna. The continuity of the drop mapping. *New Zealand J. Math.* 31 (2002), no. 1, 43–53. [17]\*, [19]
144. Sadarangani, K. A weak property  $(\beta)$  equals reflexivity for a Banach space. *Acta Math. Hungar.* 95 (2002), no. 4, 253–259. [9]
145. Fry, R. , McManus, S. Smooth bump functions and the geometry of Banach spaces: a brief survey. *Expo. Math.* 20 (2002), no. 2, 143–183. [3]
146. \* P. Kolwicz, Orthogonal uniform convexity in Köthe spaces and Orlicz spaces, *Bull. Acad. Polon. Sci. Math.* 50, 4 (2002), 395–412. [12], [13], [20]\*, [23]
147. Johnson, William B. , Lindenstrauss, Joram , Preiss, David , Schechtman, Gideon. Almost Fréchet differentiability of Lipschitz mappings between infinite-dimensional Banach spaces. *Proc. London Math. Soc.* (3) 84 (2002), no. 3, 711–746. [32]
148. Qiu, Jing-Hui. Local completeness and drop theorem. *J. Math. Anal. Appl.* 266 (2002), no. 2, 288–297. [11], [19]
149. Fabian, Marián, Godefroy, Gilles, Zizler, Václav. The structure of uniformly Gateaux smooth Banach spaces. *Israel J. Math.* 124 (2001), 243–252. [3]
150. \* Aye, Khaing Khaing , Tang, Wee-Kee. On the extension of  $k$ -NUC norms. *Taiwanese J. Math.* 5 (2001), no. 2, 317–321. [20]\*
151. \* P. Kolwicz, On property  $(\beta)$  in Banach lattices, Calderón-Lozanowskii and Orlicz Lorentz spaces, *Proc. Indian Acad. Sci. Math. (Math. Sci)* 111, 3 (2001), 319–336. [12], [13], [16]\*
152. \* X. Fang and Y. Yang, On the  $WA_\varepsilon$  property and  $g\text{-NUC}_\varepsilon$  Banach spaces, *Northeast Math. J.* 17 (1) (2001), 63–70. [14], [15], [20]\*, [26]
153. Godefroy, G., Kalton, N. , Lancien, G. Szlenk indices and uniform homeomorphisms, *Trans. Amer. Math. Soc.* 353 (2001), 3895–3918. [32]
154. Godefroy, G., Kalton, N. , Lancien, G. Subspaces of  $c_0(\mathbf{N})$  and Lipschitz isomorphisms. *Geom. Funct. Anal.* 10 (2000), no. 4, 798–820. [32]
155. Sims, Brailey , Smyth, Michael A. On some Banach space properties sufficient for weak normal structure and their permanence properties. *Trans. Amer. Math. Soc.* 351 (1999), no. 2, 497–513. [23], [36]
156. H. Knaust, E. Odell, and Th. Schlumprecht. On asymptotic structure, the Szlenk index and UKK properties in Banach spaces, *Positivity* 3 (1999), no. 2, 173–199. [32]
157. \* J. Cel, Correct Soltan-Vasiloi Criterion for Convex Cones, *Contributions to Algebra and Geometry* 40 (1999), 89–95. [17]\*
158. \* Cui, Yunan; Hudzik, Henryk, Some geometric properties related to fixed point theory in Cesàro spaces, *Collect. Math.* 50 (1999), no. 3, 277–288. [20]\*
159. Granero, A. S.; Jiménez Sevilla, M.; Moreno, J. P., Convex sets in Banach spaces and a problem of Rolewicz. *Studia Math.* 129 (1998), no. 1, 19–29. [10]
160. \* Odell, Edward, Tomczak-Jaegermann, Nicole, Wagner, Roy. Proximity to  $l_1$  and distortion in asymptotic  $l_1$  spaces. *J. Funct. Anal.* 150 (1997), no. 1, 101–145. [42]\*

161. M. Budzyńska, W. Kaczor, M. Koter-Mórgowska and T. Kuczumow, Asymptotic normal structure and the semi-opial property, *Nonlinear Analysis* 30, 6, 1997, Pages 3505-3515. *Proceedings of the Second World Congress of Nonlinear Analysts*. [3]
162. \* J. M. Ayerbe, T. Dominguez Benavides and S. Francisco Cutillas, A modulus for property (beta) of Rolewicz, *Colloquium Math.* 73 (1997), 183-191. [20]\*, [22], [23]
163. \* Yunan Cui, Henryk Hudzik, Ryszard Pluciennik, Banach-Saks property in some Banach sequence spaces, *Annales Polonici Mathematici*, 65 (1997), 193-202. [16]\*, [23]
164. J. G. Falset, The fixed point property in Banach spaces with the NUS-property, *J. Math. Anal. Appl.* 215 (2) (1997), 532-542. [27]
165. \* Cui, Y., Pluciennik, R., Wang, T., On property  $(\beta)$  in Orlicz spaces, *Archiv der Mathematik* 69 (1) (1997), pp. 57-69. [12], [13], [16]\*, [17]\*, [18]
166. Banaś, Józef; Olszowy, Leszek. Moduli of non-compact convexity and smoothness of some Banach sequence spaces. (English summary) *Proc. Roy. Irish Acad. Sect. A* 97 (1997), no. 1, 69-82. [3]
167. \* J. M. Ayerbe and S. Francisco Cutillas, About some kinds of noncompact moduli for the property beta of Rolewicz, *Rend. Circ. Mat. Palermo, Suppl.* 40 (1996), 47-56 [20]\*, [22], [23]
168. V. Klee, L. Vesely and C. Zanco, Rotundity and smoothness of convex bodies in reflexive and nonreflexive spaces, *Studia Math.* 120 (3) (1996), 191-204. [37]
169. J. M. Borwein and J. D. Vanderwerff, Banach spaces that admit support sets, *Proc. Amer. Math. Soc.* 124 (3) (1996), 751-755. [10]
170. A. Jimenez-Melado and E. Llorens-Fuster, the fixed point property for some uniformly nonsquare Banach spaces, *Bolletino U.M.I.* (7) 10-A (1996), 587-595. [25]
171. C. Lixin, Z. Yunchi, Z. Fong, Danes' drop theorem in locally convex spaces, *Proc. Amer. Math. Soc.* 124 (1996), 3699-3702. [11], [18], [19], [37]
172. T. D. Benavides, G. L. Acedo and H. K. Xu, Qualitative and quantitative properties for the space  $\ell(p, q)$ , *Houston J. Math.* 22 (1) (1996), 89-100. [25]
173. B. L. Lin and Z. R. Shi, Denting points and drop properties in Orlicz spaces, *J. Math. Anal. Appl.* 201 (1) (1996), 252-273. [32]
174. Chaatit, Fouad; Khamsi, Mohamed A. Uniform Kadec-Klee property in Banach lattices. (English summary) *Math. Japon.* 43 (1996), no. 2, 357-364. [32]
175. P. G. Dodds, T. K. Dodds, P. N. Dowling, C. J. Lennard and F. A. Sukochev, A uniform Kadec-Klee property for symmetric operator spaces, *Math. Proc. Camb. Phil. Soc.* 118 (1995), 487-502. [24], [32]
176. A. Maaden, Theoreme de la Goutte lisse, *Rocky Mountain J. Math.* 25 (1995), 1093-1101. [9], [11]
177. J. Banas, L. Olszowy and K. Sadarangani, Moduli of near convexity of the Baernstein space, *Proc. Amer. Math. Soc.* 123 (12) (1995), 3693-3699. [14], [26]
178. \* A. Maaden, C-nearest points and the drop property, *Collectanea Math.* 46 (1995), 289-301. [11], [17]\*

179. Manuel Fernandez and Isidro Palacios, Relative rotundity in  $L^p(X)$ , Arch. Math. 65 (1995), 61–68. [24]
180. \* J. H. Wang, Martingale representation in nearly uniformly convex spaces, Acta Math. Sci. 15 (3) (1995), 352–355. [20]\*
181. T. Benavides and R. Rodriguez, Packing rates in direct sum spaces, Boll. un. Mat. Ital. 9A (2) (1995), 377–390. [24]
182. Wang, Jian Hua. Some results on the continuity of metric projections. (English, Chinese summary) Math. Appl. (Wuhan) 8 (1995), no. 1, 80–85. [28]
183. \* J. M. Ayerbe, T. Dominguez Benavides and S. Francisco Cutillas, Some noncompact convexity moduli for the property (beta) of Rolewicz, Communications on Applied Nonlinear Analysis 1 (1994), 87–98. [20]\*, [23]
184. J. Garcia-Falset, A. Jimenez-Melado and E. Llorens-Fuster, Measures of noncompactness and normal structure in Banach spaces, Studia Math. 110 (1) (1994), 1–8. [14]
185. Garcia-Falset, Jesús. Stability and fixed points for nonexpansive mappings. Houston J. Math. 20 (1994), no. 3, 495–506. [25]
186. \* Pei-Kee Lin and Xintai Yu, The weak drop property on closed convex sets, J. Austral. Math. Soc. (Ser. A) 56 (1994), 125–130. [17]\*, [19]
187. M. J. Carro, Real interpolation for families of Banach spaces (II), Collect. Math. 45, 1 (1994), 53–83. [31]
188. John Giles and Warren Moors, The implications for differentiability of a weak index of non-compactness, Bull. Austral. Math. Soc. 48 (1993), 75–91. [11], [21]
189. \* W. A. Kirk, Property (beta) and Edelstein’s algorithms for constructing nearest and farthest points, Contemp. Math. 144 (1993), 149–158. [16]\*, [22], [23] (citation in the text)
190. T. Kuczumov, S. Reich and M. Schmidt, A fixed point property of  $\ell_1$ -product spaces, Proc. Amer. Math. Soc. 119 (1993), 457–463. [3]
191. \* V. Montesinos, On property (alpha) of unbounded sets, Bolletino U.M.I. (7) 7-A (1993), 21–26. [11], [17]\*
192. J. R. Torregrosa, Weak and norm convergence on the unit sphere, Rocky Mountain J. Math. 23 (1) (1993), 379–389. [9]
193. John Giles and Warren Moors, A continuity property related to Kuratowski’s index of non-compactness, its relevance to the drop property, and its implications for differentiability theory, J. Math. Anal. Appl. 178 (1993), 247–268. [11]
194. Pei-Kee Lin, An unbounded closed nearly uniformly convex set, Arch. Math. 60 (1993), 79–84. [18]
195. S. Argyros and S. Mercourakis, On weakly Lindelof Banach spaces, Rocky Mountain J. Math. 23 (2) (1993), 395–446. [3]
196. \* Pei-Kee Lin, Some remarks on the drop property, Proc. Amer. Math. Soc. 115 (1992), 2, 441–446. [9], [11], [17]\*, [18]

197. \* Pei-Kee Lin and Xintai Yu, Some remarks of the nearly uniformly convex sets, Arch. Math. 59 (1992), 581-587. [17]\*, [18]
198. V. Montesinos and J. R. Torregrosa, A uniform geometric property of Banach spaces, Rocky Mount. J. Math. 22 (1992), 683-690. [12] (citation in the text)
199. \* Bor-Luh Lin and W. Zhang, Some geometric properties related to uniform convexity of Banach spaces, Lecture Notes in Pure and Applied Math. 136 (1992), 281-293. [20]\*
200. J. R. Torregrosa, Las propiedades  $(L\beta)$  y  $(s\beta)$  en un espacio de Banach, Collect. Math. 43 (1992), 203-216. [13]
201. \* V. Montesinos, A note on drop property of unbounded sets, Arch. Math. 57 (1991), 606-608. [11], [17]\*
202. J. Banas, On drop property and nearly uniformly smooth Banach spaces, Nonlinear Analysis - Theory, Methods & Appl. 14 (1990), 923-933. [9]
203. J. R. Giles, B. Sims and A. C. Yorke, On drop and weak drop properties for a Banach space, Bull. Austral. Math. Soc. 41 (1990), 503-507. [9]
204. C. Finet, G. Godefroy, BIORTHOGONAL SYSTEMS AND BIG QUOTIENT SPACES, Banach Space Theory: Proceedings of a Research Workshop Held July 5-25, 1987 (Iowa City, IA). Contemporary Math. 85 (1989), 87-110. [10]
205. T. Landes, Normal structure and hereditariness properties, Functional Analysis and Approximation - proc. of conference in Bagni di Lucca, 1988, 196-218. [3]
206. P. Georgiev, The strong Ekeland variational principle, the strong drop theorem and applications, J. Math. Anal. Appl. 131 (1988), 1-21. [9]
207. V. Montesinos, Drop property equals reflexivity, Studia Math. 87 (1987), 93-100. [9]
208. V. Montesinos, On the drop property, Seminar on Functional Analysis, Notas di matematica 1 (1987), 69-123. [9]
209. G. Godefroy, Five lectures in geometry of Banach spaces, Seminar on Functional Analysis, Notas di matematica 1 (1987), 9-67. [10]
210. T. Landes, Normal structure and the sum-property, Pacific J. Math. 123 (1986), 127-147. [3]
211. S. Argyros and V. Farmaki, On the structure of weakly compact subsets of Hilbert spaces and applications to the geometry of Banach spaces, Trans. Amer. Math. Soc. 289 (1985), 409-427. [3]

## 4 Цитирования в диссертации

1. \* R. M. Figueras i Ventura, Sparse image approximation with applications to flexible image coding, Ph.D. thesis, 2005, École Polytechnique Fédérale de Lausanne. [50]\*
2. \* N. Dew, Asymptotic structure of Banach spaces, Ph.D. thesis, University of Oxford, U.K., 2003. [42]\*, [44]\*

**h-index: 10**