

# Rafael Villa

## List of Publications by Year in descending order

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15  
papers

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citations

1040056

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1125743

13  
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docs citations

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times ranked

140  
citing authors

| #  | ARTICLE                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | An application of mixture distributions in modelization of length of hospital stay. <i>Statistics in Medicine</i> , 2008, 27, 1403-1420.                 | 1.6 | 38        |
| 2  | Concentration of the distance in finite dimensional normed spaces. <i>Mathematika</i> , 1998, 45, 245-252.                                               | 0.5 | 35        |
| 3  | Rogers's Shephard inequality for log-concave functions. <i>Journal of Functional Analysis</i> , 2016, 271, 3269-3299.                                    | 1.4 | 32        |
| 4  | Rogers's Shephard and local Loomis-Whitney type inequalities. <i>Mathematische Annalen</i> , 2019, 374, 1719-1771.                                       | 1.4 | 31        |
| 5  | John's Ellipsoid and the Integral Ratio of a Log-Concave Function. <i>Journal of Geometric Analysis</i> , 2018, 28, 1182-1201.                           | 1.0 | 29        |
| 6  | On the consistency of MLE in finite mixture models of exponential families. <i>Journal of Statistical Planning and Inference</i> , 2007, 137, 496-505.   | 0.6 | 12        |
| 7  | A lower bound for the equilateral number of normed spaces. <i>Proceedings of the American Mathematical Society</i> , 2008, 136, 127-132.                 | 0.8 | 12        |
| 8  | Brunn's Minkowski and Zhang inequalities for convolution bodies. <i>Advances in Mathematics</i> , 2013, 238, 50-69.                                      | 1.1 | 11        |
| 9  | Lower bounds for multilinear forms defined on Hilbert Spaces. <i>Mathematika</i> , 1999, 46, 315-322.                                                    | 0.5 | 9         |
| 10 | Maximal Equilateral Sets. <i>Discrete and Computational Geometry</i> , 2013, 50, 354-373.                                                                | 0.6 | 5         |
| 11 | Isometric embedding into spaces of continuous functions. <i>Studia Mathematica</i> , 1998, 129, 197-205.                                                 | 0.7 | 5         |
| 12 | The average distance property of the spaces $\ell_{\infty}^n(\mathbb{C})$ and $\ell_1^n(\mathbb{C})$ . <i>Archiv Der Mathematik</i> , 2001, 76, 222-230. | 0.5 | 4         |
| 13 | Best approximation of functions by log-polynomials. <i>Journal of Functional Analysis</i> , 2022, 282, 109344.                                           | 1.4 | 1         |
| 14 | Maximum average distance in complex finite dimensional normed spaces. <i>Bulletin of the Australian Mathematical Society</i> , 2002, 66, 125-134.        | 0.5 | 0         |
| 15 | Push forward measures and concentration phenomena. <i>Mathematische Nachrichten</i> , 2014, 287, 585-594.                                                | 0.8 | 0         |