# María José Ibáñez-Pérez

## List of Publications by Year
in descending order

| | | 759233 | 888059 |
|---|---|---|---|
| 41 | 376 | 12 | 17 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 42 | 42 | 42 | 129 |
| all docs | docs citations | times ranked | citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Near-best quasi-interpolants associated with &lt;mml:math altimg="si8.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.... Journal of ... 53. | 2.0 | 30 |
| 2 | On near-best discrete quasi-interpolation on a four-directional mesh. Journal of Computational and Applied Mathematics, 2010, 233, 1470-1477. | 2.0 | 27 |
| 3 | Near-Best Univariate Spline Discrete Quasi-Interpolants on Nonuniform Partitions. Constructive Approximation, 2008, 28, 237-251. | 3.0 | 25 |
| 4 | Near minimally normed spline quasi-interpolants on uniform partitions. Journal of Computational and Applied Mathematics, 2005, 181, 211-233. | 2.0 | 23 |
| 5 | A general method for constructing quasi-interpolants from B-splines. Journal of Computational and Applied Mathematics, 2010, 234, 1324-1337. | 2.0 | 17 |
| 6 | Variability estimation in resistive switching devices, a numerical and kinetic Monte Carlo perspective. Microelectronic Engineering, 2022, 257, 111736. | 2.4 | 15 |
| 7 | An in-depth study on WENO-based techniques to improve parameter extraction procedures in MOSFET transistors. Mathematics and Computers in Simulation, 2015, 118, 248-257. | 4.4 | 14 |
| 8 | A general spline differential quadrature method based on quasi-interpolation. Journal of Computational and Applied Mathematics, 2015, 275, 465-479. | 2.0 | 14 |
| 9 | On Chebyshev-type discrete quasi-interpolants. Mathematics and Computers in Simulation, 2008, 77, 218-227. | 4.4 | 13 |
| 10 | Bernstein–Bézier representation and near-minimally normed discrete quasi-interpolation operators. Applied Numerical Mathematics, 2008, 58, 59-68. | 2.1 | 13 |
| 11 | Optimal bivariate &lt;mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si28.gif" display="inline" overflow="scroll"&gt;&lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mi&gt;C&lt;/mml:mi&gt;&lt;/mml:mrow&gt;&lt;mml:mrow&gt;&lt;mml:mn&gt;1&lt;/mml:mn&gt;&lt;/mml:mrow&gt;&lt;... cubic quasi-interpolation on a type-2 triangulation. Journal of Computational and Applied Mathematics, 2010, 234, 1188-1199. | 2.0 | 12 |
| 12 | An Inversion-Charge Analytical Model for Square Gate-All-Around MOSFETs. IEEE Transactions on Electron Devices, 2011, 58, 2854-2861. | 3.0 | 12 |
| 13 | Increasing the approximation order of spline quasi-interpolants. Journal of Computational and Applied Mathematics, 2013, 252, 27-39. | 2.0 | 12 |
| 14 | A comprehensive characterization of the threshold voltage extraction in MOSFETs transistors based on smoothing splines. Mathematics and Computers in Simulation, 2014, 102, 1-10. | 4.4 | 11 |
| 15 | Non-uniform quasi-interpolation for solving Hammerstein integral equations. International Journal of Computer Mathematics, 2020, 97, 72-84. | 1.8 | 11 |
| 16 | Near-best operators based on a quartic spline on the uniform four-directional mesh. Mathematics and Computers in Simulation, 2008, 77, 151-160. | 4.4 | 9 |
| 17 | On Chebyshev-type integral quasi-interpolation operators. Mathematics and Computers in Simulation, 2009, 79, 3478-3491. | 4.4 | 9 |
| 18 | Minimizing the quasi-interpolation error for bivariate discrete quasi-interpolants. Journal of Computational and Applied Mathematics, 2009, 224, 250-268. | 2.0 | 9 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | On the construction of trivariate near-best quasi-interpolants based on $C^2$ quartic splines on type-6 tetrahedral partitions. Journal of Computational and Applied Mathematics, 2017, 311, 252-261. | 2.0 | 9 |
| 20 | Quasi-interpolation by $C^1$ quartic splines on type-1 triangulations. Journal of Computational and Applied Mathematics, 2019, 349, 225-238. | 2.0 | 9 |
| 21 | Non-Uniform Spline Quasi-Interpolation to Extract the Series Resistance in Resistive Switching Memristors for Compact Modeling Purposes. Mathematics, 2021, 9, 2159. | 2.2 | 9 |
| 22 | Computing quasi-interpolants from the B-form of B-splines. Mathematics and Computers in Simulation, 2011, 81, 1936-1948. | 4.4 | 7 |
| 23 | Point and differential $C^1$ quasi-interpolation on three direction meshes. Journal of Computational and Applied Mathematics, 2019, 354, 373-389. | 2.0 | 7 |
| 24 | A spline quasi-interpolation based method to obtain the reset voltage in Resistive RAMs in the charge-flux domain. Journal of Computational and Applied Mathematics, 2019, 354, 326-333. | 2.0 | 7 |
| 25 | Construction of spherical spline quasi-interpolants based on blossoming. Journal of Computational and Applied Mathematics, 2010, 234, 131-145. | 2.0 | 6 |
| 26 | On spline-based differential quadrature. Journal of Computational and Applied Mathematics, 2015, 275, 272-280. | 2.0 | 6 |
| 27 | Trivariate near-best blending spline quasi-interpolation operators. Numerical Algorithms, 2018, 78, 217-241. | 1.9 | 5 |
| 28 | A bootstrap algorithm for the two-sample problem using trigonometric Hermite spline interpolation. Communications in Nonlinear Science and Numerical Simulation, 2004, 9, 275-286. | 3.3 | 4 |
| 29 | Construction techniques for multivariate modified quasi-interpolants with high approximation order. Computers and Mathematics With Applications, 2013, 65, 29-41. | 2.7 | 4 |
| 30 | Polynomial pattern finding in scattered data. Journal of Computational and Applied Mathematics, 2017, 318, 107-116. | 2.0 | 4 |
| 31 | Estimation of the reset voltage in resistive RAMs using the charge–flux domain and a numerical method based on quasi-interpolation and discrete orthogonal polynomials. Mathematics and Computers in Simulation, 2019, 164, 120-130. | 4.4 | 4 |
| 32 | A quasi-interpolation product integration based method for solving Love's integral equation with a very small parameter. Mathematics and Computers in Simulation, 2020, 172, 213-223. | 4.4 | 4 |
| 33 | A homogeneity test for bivariate random variables. Computational Statistics, 2009, 24, 513-531. | 1.5 | 3 |
| 34 | A trivariate near-best blending quadratic quasi-interpolant. Mathematics and Computers in Simulation, 2020, 176, 25-35. | 4.4 | 3 |
| 35 | Interpolating minimal energy $C^1$-Surfaces on Powell–Sabin Triangulations: Application to the resolution of elliptic problems. Numerical Methods for Partial Differential Equations, 2015, 31, 798-821. | 3.6 | 2 |
| 36 | Hermite spline interpolation on a three direction mesh from Powell–Sabin and Hsieh–Clough–Tocher finite elements. Journal of Computational and Applied Mathematics, 2017, 318, 565-579. | 2.0 | 2 |

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|---|---------|----|-----------|
| 37 | Parallelizing drainage network algorithm using free software: Octave as a solution. Mathematics and Computers in Simulation, 2017, 137, 424-430. | 4.4 | 2 |
| 38 | Quasi-Interpolation in a Space of C2 Sextic Splines over Powell–Sabin Triangulations. Mathematics, 2021, 9, 2276. | 2.2 | 2 |
| 39 | A geometric characterization of Powell-Sabin triangulations allowing the construction of C2 quartic splines. Computers and Mathematics With Applications, 2021, 100, 30-40. | 2.7 | 1 |
| 40 | Error analysis for a non-standard class of differential quasi-interpolants. Mathematics and Computers in Simulation, 2011, 81, 2190-2200. | 4.4 | 0 |
| 41 | C1-Quartic Butterfly-Spline Interpolation on Type-1 Triangulations. Springer Proceedings in Mathematics and Statistics, 2021, , 11-26. | 0.2 | 0 |