

# MarÃ-a JosÃ© IbÃ¡ez-PÃ©rez

## List of Publications by Year in descending order

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41  
papers

376  
citations

759233

12  
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888059

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42  
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
42  
docs citations

42  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability estimation in resistive switching devices, a numerical and kinetic Monte Carlo perspective. <i>Microelectronic Engineering</i> , 2022, 257, 111736.	2.4	15
2	C1-Quartic Butterfly-Spline Interpolation on Type-1 Triangulations. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021, , 11-26.	0.2	0
3	Quasi-Interpolation in a Space of C2 Sextic Splines over Powellâ€Sabin Triangulations. <i>Mathematics</i> , 2021, 9, 2276.	2.2	2
4	Non-Uniform Spline Quasi-Interpolation to Extract the Series Resistance in Resistive Switching Memristors for Compact Modeling Purposes. <i>Mathematics</i> , 2021, 9, 2159.	2.2	9
5	A geometric characterization of Powell-Sabin triangulations allowing the construction of C2 quartic splines. <i>Computers and Mathematics With Applications</i> , 2021, 100, 30-40.	2.7	1
6	Non-uniform quasi-interpolation for solving Hammerstein integral equations. <i>International Journal of Computer Mathematics</i> , 2020, 97, 72-84.	1.8	11
7	A trivariate near-best blending quadratic quasi-interpolant. <i>Mathematics and Computers in Simulation</i> , 2020, 176, 25-35.	4.4	3
8	A quasi-interpolation product integration based method for solving Loveâ€™s integral equation with a very small parameter. <i>Mathematics and Computers in Simulation</i> , 2020, 172, 213-223.	4.4	4
9	Quasi-interpolation by $C^1$ quartic splines on type-1 triangulations. <i>Journal of Computational and Applied Mathematics</i> , 2019, 349, 307-320.	2.0	9
10	Point and differential $C^1$ quartic splines on three direction meshes. <i>Journal of Computational and Applied Mathematics</i> , 2019, 354, 373-389.	2.0	9
11	Estimation of the reset voltage in resistive RAMs using the chargeâ€flux domain and a numerical method based on quasi-interpolation and discrete orthogonal polynomials. <i>Mathematics and Computers in Simulation</i> , 2019, 164, 120-130.	4.4	4
12	A spline quasi-interpolation based method to obtain the reset voltage in Resistive RAMs in the charge-flux domain. <i>Journal of Computational and Applied Mathematics</i> , 2019, 354, 326-333.	2.0	7
13	Trivariate near-best blending spline quasi-interpolation operators. <i>Numerical Algorithms</i> , 2018, 78, 217-241.	1.9	5
14	Hermite spline interpolation on a three direction mesh from Powellâ€Sabin and Hsiehâ€Cloughâ€Tocher finite elements. <i>Journal of Computational and Applied Mathematics</i> , 2017, 318, 565-579.	2.0	2
15	Polynomial pattern finding in scattered data. <i>Journal of Computational and Applied Mathematics</i> , 2017, 318, 107-116.	2.0	4
16	On the construction of trivariate near-best quasi-interpolants based on $C^1$ quartic splines on type-6 tetrahedral partitions. <i>Journal of Computational and Applied Mathematics</i> , 2017, 311, 252-261.	2.0	9
17	Parallelizing drainage network algorithm using free software: Octave as a solution. <i>Mathematics and Computers in Simulation</i> , 2017, 137, 424-430.	4.4	2
18	An in-depth study on WENO-based techniques to improve parameter extraction procedures in MOSFET transistors. <i>Mathematics and Computers in Simulation</i> , 2015, 118, 248-257.	4.4	14

#	ARTICLE	IF	CITATIONS
19	A general spline differential quadrature method based on quasi-interpolation. Journal of Computational and Applied Mathematics, 2015, 275, 465-479.	2.0	14
20	On spline-based differential quadrature. Journal of Computational and Applied Mathematics, 2015, 275, 272-280.	2.0	6
21	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
22	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
23	Increasing the approximation order of spline quasi-interpolants. Journal of Computational and Applied Mathematics, 2013, 252, 27-39.	2.0	12
24	Construction techniques for multivariate modified quasi-interpolants with high approximation order. Computers and Mathematics With Applications, 2013, 65, 29-41.	2.7	4
25	An Inversion-Charge Analytical Model for Square Gate-All-Around MOSFETs. IEEE Transactions on Electron Devices, 2011, 58, 2854-2861.	3.0	12
26	Computing quasi-interpolants from the B-form of B-splines. Mathematics and Computers in Simulation, 2011, 81, 1936-1948.	4.4	7
27	Error analysis for a non-standard class of differential quasi-interpolants. Mathematics and Computers in Simulation, 2011, 81, 2190-2200.	4.4	0
28	Construction of spherical spline quasi-interpolants based on blossoming. Journal of Computational and Applied Mathematics, 2010, 234, 131-145.	2.0	6
29	On near-best discrete quasi-interpolation on a four-directional mesh. Journal of Computational and Applied Mathematics, 2010, 233, 1470-1477.	2.0	27
30	Optimal bivariate $C^1$ cubic quasi-interpolation on a type-2 triangulation. Journal of Computational and Applied Mathematics, 2010, 234, 1188-1199.	2.0	12
31	A general method for constructing quasi-interpolants from B-splines. Journal of Computational and Applied Mathematics, 2010, 234, 1324-1337.	2.0	17
32	A homogeneity test for bivariate random variables. Computational Statistics, 2009, 24, 513-531.	1.5	3
33	On Chebyshev-type integral quasi-interpolation operators. Mathematics and Computers in Simulation, 2009, 79, 3478-3491.	4.4	9
34	Minimizing the quasi-interpolation error for bivariate discrete quasi-interpolants. Journal of Computational and Applied Mathematics, 2009, 224, 250-268.	2.0	9
35	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
36	On Chebyshev-type discrete quasi-interpolants. Mathematics and Computers in Simulation, 2008, 77, 218-227.	4.4	13

#	ARTICLE	IF	CITATIONS
37	Near-Best Univariate Spline Discrete Quasi-Interpolants on Nonuniform Partitions. Constructive Approximation, 2008, 28, 237-251.	3.0	25
38	Bernstein-Bézier representation and near-minimally normed discrete quasi-interpolation operators. Applied Numerical Mathematics, 2008, 58, 59-68.	2.1	13
39	Near minimally normed spline quasi-interpolants on uniform partitions. Journal of Computational and Applied Mathematics, 2005, 181, 211-233.	2.0	23
40	Near-best quasi-interpolants associated with  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	2.0	30
41	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