

# Suzan C Buranay

## List of Publications by Year in descending order

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15  
papers

69  
citations

1684188

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h-index

1588992

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all docs

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docs citations

15  
times ranked

23  
citing authors

#	ARTICLE	IF	CITATIONS
1	The highly accurate block-grid method in solving Laplace's equation for nonanalytic boundary condition with corner singularity. <i>Computers and Mathematics With Applications</i> , 2012, 64, 616-632.	2.7	9
2	On the two classes of high-order convergent methods of approximate inverse preconditioners for solving linear systems. <i>Numerical Linear Algebra With Applications</i> , 2017, 24, e2111.	1.6	9
3	Numerical Solution of the Fredholm and Volterra Integral Equations by Using Modified Bernstein-Kantorovich Operators. <i>Mathematics</i> , 2021, 9, 1193.	2.2	9
4	Approximate Schur-Block ILU Preconditioners for Regularized Solution of Discrete Ill-Posed Problems. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-18.	1.1	8
5	Incomplete block-matrix factorization of $M$ matrices using two-step iterative method for matrix inversion and preconditioning. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 7634-7650.	2.3	7
6	Hexagonal grid approximation of the solution of the heat equation on special polygons. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	6
7	Hexagonal Grid Computation of the Derivatives of the Solution to the Heat Equation by Using Fourth-Order Accurate Two-Stage Implicit Methods. <i>Fractal and Fractional</i> , 2021, 5, 203.	3.3	5
8	Implicit methods for the first derivative of the solution to heat equation. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	4
9	Two Stage Implicit Method on Hexagonal Grids for Approximating the First Derivatives of the Solution to the Heat Equation. <i>Fractal and Fractional</i> , 2021, 5, 19.	3.3	4
10	One-block method for computing the generalized stress intensity factors for Laplace's equation on a square with a slit and on an L-shaped domain. <i>Journal of Computational and Applied Mathematics</i> , 2015, 289, 400-411.	2.0	3
11	A predictor-corrector iterative method for solving linear least squares problems and perturbation error analysis. <i>Journal of Inequalities and Applications</i> , 2019, 2019, .	1.1	3
12	Six point implicit methods for the pure second derivatives of the solution of first type boundary value problem for one dimensional heat equation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
13	High order iterative methods for matrix inversion and regularized solution of fredholm integral equation of first kind with noisy data. <i>ITM Web of Conferences</i> , 2018, 22, 01002.	0.5	1
14	Implicit method of high accuracy on hexagonal grids for approximating the solution to heat equation on rectangle. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
15	Six Point Implicit Methods for the Approximation of the Derivatives of the Solution of First Type Boundary Value Problem for Heat Equation. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021, , 39-62.	0.2	0