

# A Q M Khaliq

## List of Publications by Year in descending order

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15  
papers

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840776

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#	ARTICLE	IF	CITATIONS
1	Fourth Order Exponential Time Differencing Method with Local Discontinuous Galerkin Approximation for Coupled Nonlinear Schrödinger Equations. Communications in Computational Physics, 2015, 17, 510-541.	1.7	46
2	On parallel algorithms for semidiscretized parabolic partial differential equations based on subdiagonal Padé approximations. Numerical Methods for Partial Differential Equations, 1993, 9, 107-116.	3.6	42
3	A fourth-order implicit-explicit scheme for the space fractional nonlinear Schrödinger equations. Numerical Algorithms, 2017, 75, 147-172.	1.9	39
4	Multiderivative Methods for Periodic Initial Value Problems. SIAM Journal on Numerical Analysis, 1984, 21, 111-122.	2.3	36
5	A predictor-corrector scheme for the sine-Gordon equation. Numerical Methods for Partial Differential Equations, 2000, 16, 133-146.	3.6	34
6	A compound adaptive approach to degenerate nonlinear quenching problems. Numerical Methods for Partial Differential Equations, 1999, 15, 29-47.	3.6	33
7	The locally extrapolated exponential splitting scheme for multi-dimensional nonlinear space-fractional Schrödinger equations. Numerical Algorithms, 2017, 76, 939-958.	1.9	28
8	Fourth-order methods for space fractional reaction-diffusion equations with non-smooth data. International Journal of Computer Mathematics, 2018, 95, 1240-1256.	1.8	22
9	Smoothing with positivity-preserving Padé schemes for parabolic problems with nonsmooth data. Numerical Methods for Partial Differential Equations, 2005, 21, 553-573.	3.6	19
10	Time-stepping algorithms for semidiscretized linear parabolic PDEs based on rational approximants with distinct real poles. Advances in Computational Mathematics, 1996, 6, 353-363.	1.6	17
11	One-step multiderivative methods for first order ordinary differential equations. BIT Numerical Mathematics, 1981, 21, 518-527.	2.0	11
12	A Fourth Order L-stable Method for the Black-Scholes Model with Barrier Options. Lecture Notes in Computer Science, 2003, , 199-207.	1.3	5
13	A family of numerical methods for diffusion and reaction-diffusion equations. Numerical Methods for Partial Differential Equations, 1986, 2, 31-45.	3.6	2
14	A compound adaptive approach to degenerate nonlinear quenching problems. Numerical Methods for Partial Differential Equations, 1999, 15, 29-47.	3.6	1
15	SEQUENTIAL AND PARALLEL ALGORITHMS FOR SECOND-ORDER INITIAL-VALUE PROBLEMS. , 1993, , 399-412.		0