

Pratibhamoy Das

List of Publications by Year in descending order

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17
papers

950
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516710

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17
docs citations

17
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solution of singularly perturbed convection-diffusion-reaction problems with two small parameters. BIT Numerical Mathematics, 2016, 56, 51-76.	2.0	102
2	Comparison of a priori and a posteriori meshes for singularly perturbed nonlinear parameterized problems. Journal of Computational and Applied Mathematics, 2015, 290, 16-25.	2.0	96
3	A higher order difference method for singularly perturbed parabolic partial differential equations. Journal of Difference Equations and Applications, 2018, 24, 452-477.	1.1	82
4	An a posteriori based convergence analysis for a nonlinear singularly perturbed system of delay differential equations on an adaptive mesh. Numerical Algorithms, 2019, 81, 465-487.	1.9	71
5	Parameter uniform optimal order numerical approximation of a class of singularly perturbed system of reaction diffusion problems involving a small perturbation parameter. Journal of Computational and Applied Mathematics, 2019, 354, 533-544.	2.0	68
6	Higher order accurate approximations on equidistributed meshes for boundary layer originated mixed type reaction diffusion systems with multiple scale nature. Applied Numerical Mathematics, 2020, 148, 79-97.	2.1	65
7	A perturbation-based approach for solving fractional-order Volterra-Fredholm integro differential equations and its convergence analysis. International Journal of Computer Mathematics, 2020, 97, 1994-2014.	1.8	61
8	Optimal error estimate using mesh equidistribution technique for singularly perturbed system of reaction-diffusion boundary-value problems. Applied Mathematics and Computation, 2014, 249, 265-277.	2.2	57
9	Homotopy perturbation method for solving Caputo-type fractional-order Volterra-Fredholm integro-differential equations. Computational and Mathematical Methods, 2019, 1, e1047.	0.8	50
10	On the approximate solutions of a class of fractional order nonlinear Volterra integro-differential initial value problems and boundary value problems of first kind and their convergence analysis. Journal of Computational and Applied Mathematics, 2022, 404, 113116.	2.0	50
11	A graded mesh refinement approach for boundary layer originated singularly perturbed time-delayed parabolic convection diffusion problems. Mathematical Methods in the Applied Sciences, 2021, 44, 12332-12350.	2.3	45
12	A uniformly convergent hybrid scheme for singularly perturbed system of reaction-diffusion Robin type boundary-value problems. Journal of Applied Mathematics and Computing, 2013, 41, 447-471.	2.5	42
13	Theoretical prospects of fractional order weakly singular Volterra Integro differential equations and their approximations with convergence analysis. Mathematical Methods in the Applied Sciences, 2021, 44, 9419-9440.	2.3	42
14	A moving mesh refinement based optimal accurate uniformly convergent computational method for a parabolic system of boundary layer originated reaction-diffusion problems with arbitrary small diffusion terms. Journal of Computational and Applied Mathematics, 2022, 404, 113167.	2.0	41
15	Adaptive mesh generation for singularly perturbed fourth-order ordinary differential equations. International Journal of Computer Mathematics, 2015, 92, 562-578.	1.8	38
16	HIGHER-ORDER PARAMETER UNIFORM CONVERGENT SCHEMES FOR ROBIN TYPE REACTION-DIFFUSION PROBLEMS USING ADAPTIVELY GENERATED GRID. International Journal of Computational Methods, 2012, 09, 1250052.	1.3	37
17	Upwind Based Parameter Uniform Convergence Analysis for Two Parametric Parabolic Convection Diffusion Problems by Moving Mesh Methods. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 591-592.	0.2	3