Seokchan Kim

List of Publications by Year
in descending order

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15 papers	205 citations	1478505 6 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	118 citing authors

#	Article	IF	Citations
1	A Finite Element Method Using Singular Functions for the Poisson Equation: Corner Singularities. SIAM Journal on Numerical Analysis, 2001, 39, 286-299.	2.3	65
2	Numerical solution of one-dimensional Burgersâ€™ equation using reproducing kernel function. Journal of Computational and Applied Mathematics, 2008, 214, 417-434.	2.0	55
3	Split least-squares finite element methods for linear and nonlinear parabolic problems. Journal of Computational and Applied Mathematics, 2009, 223, 938-952.	2.0	21
4	A remark on least-squares mixed element methods for reactionâ€“diffusion problems. Journal of Computational and Applied Mathematics, 2007, 202, 230-236.	2.0	17
5	A finite element method using singular functions for Poisson equations: Mixed boundary conditions. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 2635-2648.	6.6	14
6	A finite element method for computing accurate solutions for Poisson equations with corner singularities using the stress intensity factor. Computers and Mathematics With Applications, 2016, 71, 2330-2337.	2.7	9
7	Exponential decay of C^1- cubic splines vanishing at two symmetric points in each knot interval. Numerische Mathematik, 1997, 76, 479-488.	1.9	6
8	Error estimate of a finite element method using stress intensity factor. Computers and Mathematics With Applications, 2018, 76, 2402-2408.	2.7	5
9	Extraction formulas of stress intensity factors for the biharmonic equations containing crack singularities. Computers and Mathematics With Applications, 2020, 80, 1142-1163.	2.7	5
10	Analytic Function with Subordination Class Determined by Rotations. Complex Variables and Elliptic Equations, 1993, 23, 177-187.	0.2	3
11	A finite element method dealing the singular points with a cut-off function. Journal of Applied Mathematics and Computing, 2006, 21, 141-152.	2.5	3
12	A finite element method using singular functions for the Poisson equation: crack singularities. Numerical Linear Algebra With Applications, 2002, 9, 445-455.	1.6	2
13	A note on a finite element method dealing with corner singularities. Korean Journal of Computational and Applied Mathematics, 2000, 7, 373-386.	0.2	0
14	Error estimate of a finite element method for an optimal control problem with corner singularity using the stress intensity factor. Numerical Methods for Partial Differential Equations, 0, , .	3.6	0
15	Extraction of stress intensity factors of biharmonic equations with corner singularities corresponding to mixed boundary conditions of clamped, simply supported, and free (II). Computers and Mathematics With Applications, 2022, 109, 235-259.	2.7	0