

Hailong Guo

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Publications

PUBLICATION METRICS

For manuscripts published from date range October 2017 - October 2022

TOTAL TIMES CITED

136

PUBLICATIONS

19

For all time

TOTAL TIMES CITED

171

PUBLICATIONS

23

MANUSCRIPTS PUBLISHED (19)

From date range October 2017 - October 2022

OPTIMAL MAXIMUM NORM ESTIMATES FOR VIRTUAL ELEMENT METHODS

Authors (2): He, Wen-ming; Guo, Hailong

Published: Jun 2022 in SIAM Journal on Numerical Analysis

Deep Unfitted Nitsche Method for Elliptic Interface Problems

Authors (2): Guo, Hailong; Yang, Xu

Published: Apr 2022 in Communications in Computational Physics

Low Order Mixed Finite Element Approximations of the Monge-Ampère Equation

Published: 2022

Unfitted Nitsche's method for computing band structures of phononic crystals with periodic inclusions

Authors (3): Guo, Hailong; Yang, Xu; Zhu, Yi

Published: Jul 2021 in Computer Methods in Applied Mechanics and Engineering

Unfitted Nitsche's Method for Computing Wave Modes in Topological Materials

Authors (3): Guo, Hailong; Yang, Xu; Zhu, Yi

Published: Jul 2021 in Journal of Scientific Computing

Surface Crouzeix-Raviart element for the Laplace-Beltrami equation

Authors (1): Guo, Hailong

Published: Jan 2020 in Numerische Mathematik

PARAMETRIC POLYNOMIAL PRESERVING RECOVERY ON MANIFOLDS

Authors (2): Dong, Guozhi; Guo, Hailong

Published: Jan 2020 in SIAM Journal on Scientific Computing

Superconvergent gradient recovery for virtual element methods

Authors (3): Guo, Hailong; Xie, Cong; Zhao, Ren

Published: 2019 in Mathematical Models and Methods in Applied Sciences

Hessian recovery based finite element methods for the Cahn-Hilliard equation

Authors (3): Xu, Mingqiang; Guo, Hailong; Zou, Qingsong

Published: 2019 in Journal of Computational Physics

Bloch theory-based gradient recovery method for computing topological edge modes in photonic graphene

Authors (3): Guo, Hailong; Yang, Xu; Zhu, Yi

Published: 2019 in Journal of Computational Physics

A C-0 Linear Finite Element Method for Biharmonic Problems

Authors (3): Guo, Hailong; Zhang, Zhimin; Zou, Qingsong

Published: Mar 2018 in Journal of Scientific Computing

Superconvergence of partially penalized immersed finite element methods

Authors (3): Guo, Hailong; Yang, Xu; Zhang, Zhimin

Published: 2018 in IMA Journal of Numerical Analysis

Gradient recovery for elliptic interface problem: III. Nitsche's method

Authors (2): Guo, Hailong; Yang, Xu

Published: 2018 in Journal of Computational Physics

Gradient Recovery for Elliptic Interface Problem: I. Body-Fitted Mesh

Authors (2): Guo, Hailong; Yang, Xu

Published: 2018 in Communications in Computational Physics

A C-0 linear finite element method for two fourth-order eigenvalue problems

Published: 2017 in IMA Journal of Numerical Analysis

Polynomial Preserving Recovery for High Frequency Wave Propagation

Authors (2): Guo, Hailong; Yang, Xu

Published: 2017 in Journal of Scientific Computing

Superconvergent Two-Grid Methods for Elliptic Eigenvalue Problems

Authors (3): Guo, Hailong; Zhang, Zhimin; Zhao, Ren

Published: 2017 in Journal of Scientific Computing

HESSIAN RECOVERY FOR FINITE ELEMENT METHODS

Authors (3): Guo, Hailong; Zhang, Zhimin; Zhao, Ren

Published: 2017 in Mathematics of Computation

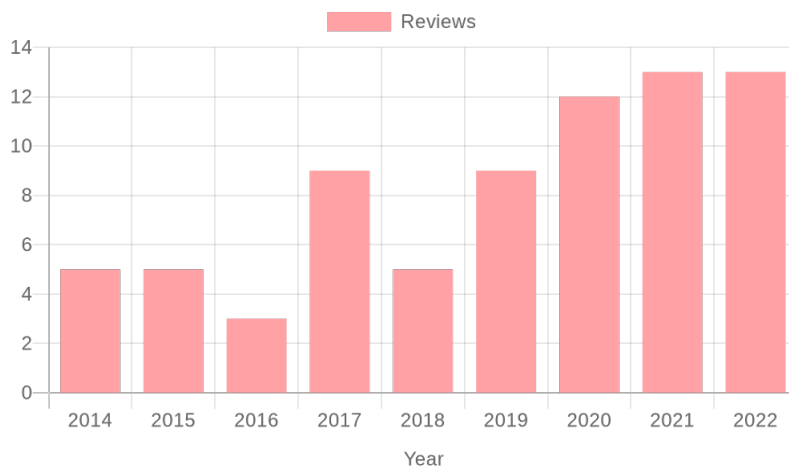
Gradient recovery for elliptic interface problem: II. Immersed finite element methods

Authors (2): Guo, Hailong; Yang, Xu

Published: 2017 in Journal of Computational Physics

Verified reviews

REVIEW SUMMARY



54 REVIEWS OF 33 MANUSCRIPTS

From date range October 2017 - October 2022

-
Reviewed for Numerical Methods for Partial Differential Equations

-
Reviewed for Applied Mathematics and Computation

-
Reviewed for Numerical Methods for Partial Differential Equations

-
Reviewed for International Journal for Numerical Methods in Fluids

-
Reviewed for Numerical Methods for Partial Differential Equations

-
Reviewed for Discrete and Continuous Dynamical Systems - Series B

-
Reviewed for Applied Mathematics and Computation

-
Reviewed for Discrete and Continuous Dynamical Systems - Series B

-
Reviewed for Journal of Computational and Applied Mathematics

-
Reviewed for Applied Mathematics Letters

-
Reviewed for East Asian Journal on Applied Mathematics

-
Reviewed for Advances in Applied Mathematics and Mechanics

-
Reviewed for Journal of Computational Mathematics

-
Reviewed for Studies in Applied Mathematics

-
Reviewed for IMA Journal of Numerical Analysis

-
Reviewed for East Asian Journal on Applied Mathematics

-
Reviewed for Communications in Nonlinear Science and Numerical Simulation

-
Reviewed for Journal of Scientific Computing

-
Reviewed for Applied Mathematics - A Journal of Chinese Universities

-
Reviewed for Advances in Computational Mathematics

-
Reviewed for Journal of Scientific Computing

-
Reviewed for Applied Mathematics Letters

-
Reviewed for East Asian Journal on Applied Mathematics

-
Reviewed for Journal of Computational and Applied Mathematics

-
Reviewed for Journal of Computational and Applied Mathematics

-
Reviewed for Numerical Methods for Partial Differential Equations

-
Reviewed for Discrete and Continuous Dynamical Systems - Series B

-
Reviewed for Applied Numerical Mathematics

-
Reviewed for Journal of Computational Mathematics

-
Reviewed for Boletin de la Sociedad Matematica Mexicana

-
Reviewed for Journal of Computational and Applied Mathematics

-
Reviewed for Applied Mathematics and Computation

-
Reviewed for Applied Numerical Mathematics
