

Seungil Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1326347/publications.pdf>

Version: 2024-02-01

18
papers

171
citations

1307543

7
h-index

1125717

13
g-index

18
all docs

18
docs citations

18
times ranked

94
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The computation of resonances in open systems using a perfectly matched layer. Mathematics of Computation, 2009, 78, 1375-1398. | 2.1 | 55 |
| 2 | Analysis of a Cartesian PML approximation to acoustic scattering problems in $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si1.gif"} \text{ overflow}=\text{"scroll"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \text{ mathvariant}=\text{"double-struck"} \rangle \text{R} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$. Journal of Mathematical Analysis and Applications, 2010, 370, 168-186. | 1.0 | 32 |
| 3 | Optimized Schwarz Method with Complete Radiation Transmission Conditions for the Helmholtz Equation in Waveguides. SIAM Journal on Numerical Analysis, 2015, 53, 1537-1558. | 2.3 | 14 |
| 4 | Analysis of the spectrum of a Cartesian Perfectly Matched Layer (PML) approximation to acoustic scattering problems. Journal of Mathematical Analysis and Applications, 2010, 361, 420-430. | 1.0 | 13 |
| 5 | Analysis of the convected Helmholtz equation with a uniform mean flow in a waveguide with complete radiation boundary conditions. Journal of Mathematical Analysis and Applications, 2014, 410, 275-291. | 1.0 | 12 |
| 6 | Complete radiation boundary conditions for the Helmholtz equation I: waveguides. Numerische Mathematik, 2019, 141, 917-966. | 1.9 | 10 |
| 7 | Cartesian PML approximation to resonances in open systems in. Applied Numerical Mathematics, 2014, 81, 50-75. | 2.1 | 8 |
| 8 | Optimized double sweep Schwarz method by complete radiation boundary conditions. Computers and Mathematics With Applications, 2016, 72, 1573-1589. | 2.7 | 6 |
| 9 | Error analysis of PML-FEM approximations for the Helmholtz equation in waveguides. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 1191-1222. | 1.9 | 6 |
| 10 | Analysis of Imperfect Acoustic Cloaking Resonances. Chinese Physics Letters, 2012, 29, 124301. | 3.3 | 4 |
| 11 | Application of a complete radiation boundary condition for the Helmholtz equation in locally perturbed waveguides. Journal of Computational and Applied Mathematics, 2020, 367, 112458. | 2.0 | 4 |
| 12 | Analysis of the non-reflecting boundary condition for the time-harmonic electromagnetic wave propagation in waveguides. Journal of Mathematical Analysis and Applications, 2017, 453, 82-103. | 1.0 | 2 |
| 13 | Analysis of an approximate cloaking for acoustic scattering problems in $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si1.gif"} \text{ overflow}=\text{"scroll"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ mathvariant}=\text{"double-struck"} \rangle \text{R} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle$. Applied Mathematics and Computation, 2014, 233, 117-121. | 2.2 | 1 |
| 14 | Convergence of the supercell method for computation of defect modes in one-dimensional photonic crystals. Applied Mathematics Letters, 2015, 49, 159-165. | 2.7 | 1 |
| 15 | Dirichlet-to-Neumann boundary conditions for multiple scattering in waveguides. Computers and Mathematics With Applications, 2020, 79, 1661-1686. | 2.7 | 1 |
| 16 | Hybrid absorbing boundary conditions of PML and CRBC. Journal of Computational and Applied Mathematics, 2022, 399, 113713. | 2.0 | 1 |
| 17 | Convergence Analysis of the Continuous and Discrete Non-overlapping Double Sweep Domain Decomposition Method Based on PMLs for the Helmholtz Equation. Journal of Scientific Computing, 2021, 89, 1. | 2.3 | 1 |
| 18 | Suppression of the Resonant Scattering in Imperfect Acoustic Cloaking with a Lossy Medium in $\hat{a}, *3$. Chinese Physics Letters, 2014, 31, 054301. | 3.3 | 0 |