

Hongyu Liu

List of Publications by Year in descending order

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139
papers

2,780
citations

147801

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276875

41
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142
all docs

142
docs citations

142
times ranked

442
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Uniqueness in an inverse acoustic obstacle scattering problem for both sound-hard and sound-soft polyhedral scatterers. <i>Inverse Problems</i> , 2006, 22, 515-524. | 2.0 | 116 |
| 2 | Virtual reshaping and invisibility in obstacle scattering. <i>Inverse Problems</i> , 2009, 25, 045006. | 2.0 | 73 |
| 3 | Reflection principle for the Maxwell equations and its application to inverse electromagnetic scattering. <i>Inverse Problems</i> , 2007, 23, 2357-2366. | 2.0 | 67 |
| 4 | Strengthened Linear Sampling Method with a Reference Ball. <i>SIAM Journal of Scientific Computing</i> , 2010, 31, 4013-4040. | 2.8 | 62 |
| 5 | Determining both sound speed and internal source in thermo- and photo-acoustic tomography. <i>Inverse Problems</i> , 2015, 31, 105005. | 2.0 | 56 |
| 6 | Plasmon Resonance with Finite Frequencies: a Validation of the Quasi-static Approximation for Diametrically Small Inclusions. <i>SIAM Journal on Applied Mathematics</i> , 2016, 76, 731-749. | 1.8 | 50 |
| 7 | A neural network scheme for recovering scattering obstacles with limited phaseless far-field data. <i>Journal of Computational Physics</i> , 2020, 417, 109594. | 3.8 | 49 |
| 8 | Locating Multiple Multiscale Acoustic Scatterers. <i>Multiscale Modeling and Simulation</i> , 2014, 12, 927-952. | 1.6 | 47 |
| 9 | Scattering by Curvatures, Radiationless Sources, Transmission Eigenfunctions, and Inverse Scattering Problems. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 3801-3837. | 1.9 | 47 |
| 10 | Simultaneously recovering potentials and embedded obstacles for anisotropic fractional Schrödinger operators. <i>Inverse Problems and Imaging</i> , 2019, 13, 197-210. | 1.1 | 43 |
| 11 | On the geometric structures of transmission eigenfunctions with a conductive boundary condition and applications. <i>Communications in Partial Differential Equations</i> , 2021, 46, 630-679. | 2.2 | 42 |
| 12 | Multilevel Linear Sampling Method for Inverse Scattering Problems. <i>SIAM Journal of Scientific Computing</i> , 2008, 30, 1228-1250. | 2.8 | 41 |
| 13 | On vanishing near corners of transmission eigenfunctions. <i>Journal of Functional Analysis</i> , 2017, 273, 3616-3632. | 1.4 | 41 |
| 14 | Zeros of the Bessel and spherical Bessel functions and their applications for uniqueness in inverse acoustic obstacle scattering. <i>IMA Journal of Applied Mathematics</i> , 2007, 72, 817-831. | 1.6 | 40 |
| 15 | Nearly cloaking the full Maxwell equations: Cloaking active contents with general conducting layers. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2014, 101, 716-733. | 1.6 | 40 |
| 16 | Recovering piecewise constant refractive indices by a single far-field pattern. <i>Inverse Problems</i> , 2020, 36, 085005. | 2.0 | 40 |
| 17 | Stable determination of sound-hard polyhedral scatterers by a minimal number of scattering measurements. <i>Journal of Differential Equations</i> , 2017, 262, 1631-1670. | 2.2 | 39 |
| 18 | Mosco convergence for $H(\text{curl})$ spaces, higher integrability for Maxwell's equations, and stability in direct and inverse EM scattering problems. <i>Journal of the European Mathematical Society</i> , 2019, 21, 2945-2993. | 1.4 | 39 |

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|----|---|-----|-----------|
| 19 | Fourier method for recovering acoustic sources from multi-frequency far-field data. Inverse Problems, 2017, 33, 035001. | 2.0 | 37 |
| 20 | Two Single-Shot Methods for Locating Multiple Electromagnetic Scatterers. SIAM Journal on Applied Mathematics, 2013, 73, 1721-1746. | 1.8 | 36 |
| 21 | Surface-Localized Transmission Eigenstates, Super-resolution Imaging, and Pseudo Surface Plasmon Modes. SIAM Journal on Imaging Sciences, 2021, 14, 946-975. | 2.2 | 36 |
| 22 | On an artificial neural network for inverse scattering problems. Journal of Computational Physics, 2022, 448, 110771. | 3.8 | 36 |
| 23 | On unique determination of partially coated polyhedral scatterers with far field measurements. Inverse Problems, 2007, 23, 297-308. | 2.0 | 35 |
| 24 | A global uniqueness for formally determined inverse electromagnetic obstacle scattering. Inverse Problems, 2008, 24, 035018. | 2.0 | 34 |
| 25 | Enhanced near-cloak by FSH lining. Journal Des Mathematiques Pures Et Appliquees, 2013, 99, 17-42. | 1.6 | 34 |
| 26 | Recovering multiscale buried anomalies in a two-layered medium. Inverse Problems, 2015, 31, 105006. | 2.0 | 34 |
| 27 | On Approximate Electromagnetic Cloaking by Transformation Media. SIAM Journal on Applied Mathematics, 2011, 71, 218-241. | 1.8 | 33 |
| 28 | Recovering an electromagnetic obstacle by a few phaseless backscattering measurements. Inverse Problems, 2017, 33, 035011. | 2.0 | 33 |
| 29 | On vanishing and localizing of transmission eigenfunctions near singular points: a numerical study. Inverse Problems, 2017, 33, 105001. | 2.0 | 33 |
| 30 | Retrieval of acoustic sources from multi-frequency phaseless data. Inverse Problems, 2018, 34, 094001. | 2.0 | 33 |
| 31 | Enhanced multilevel linear sampling methods for inverse scattering problems. Journal of Computational Physics, 2014, 257, 554-571. | 3.8 | 32 |
| 32 | On Quasi-Static Cloaking Due to Anomalous Localized Resonance in \mathbb{R}^3 . SIAM Journal on Applied Mathematics, 2015, 75, 1245-1260. | 1.8 | 31 |
| 33 | Recovering a polyhedral obstacle by a few backscattering measurements. Journal of Differential Equations, 2015, 259, 2101-2120. | 2.2 | 30 |
| 34 | On local and global structures of transmission eigenfunctions and beyond. Journal of Inverse and Ill-Posed Problems, 2022, 30, 287-305. | 1.0 | 30 |
| 35 | On generalized Holmgren's principle to the Lamé operator with applications to inverse elastic problems. Calculus of Variations and Partial Differential Equations, 2020, 59, 1. | 1.7 | 29 |
| 36 | Determining a Random Schrödinger Equation with Unknown Source and Potential. SIAM Journal on Mathematical Analysis, 2019, 51, 3465-3491. | 1.9 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Determining a Random Schrödinger Operator: Both Potential and Source are Random. Communications in Mathematical Physics, 2021, 381, 527-556. | 2.2 | 28 |
| 38 | On corners scattering stably and stable shape determination by a single far-field pattern. Indiana University Mathematics Journal, 2021, 70, 907-947. | 0.9 | 28 |
| 39 | Some new additive Runge-Kutta methods and their applications. Journal of Computational and Applied Mathematics, 2006, 190, 74-98. | 2.0 | 27 |
| 40 | Determining a fractional Helmholtz equation with unknown source and scattering potential. Communications in Mathematical Sciences, 2019, 17, 1861-1876. | 1.0 | 27 |
| 41 | On nodal and generalized singular structures of Laplacian eigenfunctions and applications to inverse scattering problems. Journal Des Mathematiques Pures Et Appliquees, 2020, 143, 116-161. | 1.6 | 26 |
| 42 | On a local geometric property of the generalized elastic transmission eigenfunctions and application. Inverse Problems, 2021, 37, 105015. | 2.0 | 25 |
| 43 | Locating Multiple Multipolar Acoustic Sources Using the Direct Sampling Method. Communications in Computational Physics, 2019, 25, . | 1.7 | 24 |
| 44 | A time domain sampling method for inverse acoustic scattering problems. Journal of Computational Physics, 2016, 314, 647-660. | 3.8 | 23 |
| 45 | Mathematical design of a novel input/instruction device using a moving acoustic emitter. Inverse Problems, 2017, 33, 105009. | 2.0 | 23 |
| 46 | Full and Partial Cloaking in Electromagnetic Scattering. Archive for Rational Mechanics and Analysis, 2017, 223, 265-299. | 2.4 | 23 |
| 47 | Stable determination of polygonal inclusions in Calderón's problem by a single partial boundary measurement. Inverse Problems, 2020, 36, 085010. | 2.0 | 23 |
| 48 | Locating Multiple Multiscale Electromagnetic Scatterers by a Single Far-Field Measurement. SIAM Journal on Imaging Sciences, 2013, 6, 2285-2309. | 2.2 | 22 |
| 49 | On spectral properties of Neuman-Poincaré operator and plasmonic resonances in 3D elastostatics. Journal of Spectral Theory, 2018, 9, 767-789. | 0.8 | 22 |
| 50 | On an electromagnetic problem in a corner and its applications. Analysis and PDE, 2021, 14, 2207-2224. | 1.4 | 22 |
| 51 | On near-cloak in acoustic scattering. Journal of Differential Equations, 2013, 254, 1230-1246. | 2.2 | 21 |
| 52 | On novel elastic structures inducing polariton resonances with finite frequencies and cloaking due to anomalous localized resonances. Journal Des Mathematiques Pures Et Appliquees, 2018, 120, 195-219. | 1.6 | 21 |
| 53 | On Identifying Magnetized Anomalies Using Geomagnetic Monitoring. Archive for Rational Mechanics and Analysis, 2019, 231, 153-187. | 2.4 | 21 |
| 54 | On Identifying Magnetized Anomalies Using Geomagnetic Monitoring Within a Magnetohydrodynamic model. Archive for Rational Mechanics and Analysis, 2020, 235, 691-721. | 2.4 | 21 |

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|----|--|-----|-----------|
| 55 | Nearly Cloaking the Electromagnetic Fields. SIAM Journal on Applied Mathematics, 2014, 74, 724-742. | 1.8 | 20 |
| 56 | On Anomalous Localized Resonance for the Elastostatic System. SIAM Journal on Mathematical Analysis, 2016, 48, 3322-3344. | 1.9 | 20 |
| 57 | On anomalous localized resonance and plasmonic cloaking beyond the quasi-static limit. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180165. | 2.1 | 20 |
| 58 | On an inverse boundary problem arising in brain imaging. Journal of Differential Equations, 2019, 267, 2471-2502. | 2.2 | 20 |
| 59 | On Localizing and Concentrating Electromagnetic Fields. SIAM Journal on Applied Mathematics, 2018, 78, 2558-2574. | 1.8 | 19 |
| 60 | Analysis of Surface Polariton Resonance for Nanoparticles in Elastic System. SIAM Journal on Mathematical Analysis, 2020, 52, 1786-1805. | 1.9 | 18 |
| 61 | Mathematical analysis of plasmon resonances for curved nanorods. Journal Des Mathematiques Pures Et Appliquees, 2021, 153, 248-280. | 1.6 | 18 |
| 62 | Regularized Transformation-Optics Cloaking for the Helmholtz Equation: From Partial Cloak to Full Cloak. Communications in Mathematical Physics, 2015, 335, 671-712. | 2.2 | 17 |
| 63 | Decoupling elastic waves and its applications. Journal of Differential Equations, 2017, 263, 4442-4480. | 2.2 | 17 |
| 64 | On Electromagnetic Scattering from a Penetrable Corner. SIAM Journal on Mathematical Analysis, 2017, 49, 5207-5241. | 1.9 | 17 |
| 65 | Spectral Properties of Neumann-Poincaré Operator and Anomalous Localized Resonance in Elasticity Beyond Quasi-Static Limit. Journal of Elasticity, 2020, 140, 213-242. | 1.9 | 17 |
| 66 | Minnaert Resonances for Bubbles in Soft Elastic Materials. SIAM Journal on Applied Mathematics, 2022, 82, 119-141. | 1.8 | 17 |
| 67 | Inverse Elastic Scattering for Multiscale Rigid Bodies with a Single Far-Field Pattern. SIAM Journal on Imaging Sciences, 2014, 7, 1799-1825. | 2.2 | 16 |
| 68 | On Novel Geometric Structures of Laplacian Eigenfunctions in \mathbb{R}^3 and Applications to Inverse Problems. SIAM Journal on Mathematical Analysis, 2021, 53, 1263-1294. | 1.9 | 16 |
| 69 | Multi-symplectic Runge-Kutta-type methods for Hamiltonian wave equations. IMA Journal of Numerical Analysis, 2006, 26, 252-271. | 2.9 | 15 |
| 70 | Enhanced approximate cloaking by SH and FSH lining. Inverse Problems, 2012, 28, 075011. | 2.0 | 15 |
| 71 | Singular Perturbation of Reduced Wave Equation and Scattering from an Embedded Obstacle. Journal of Dynamics and Differential Equations, 2012, 24, 803-821. | 1.9 | 15 |
| 72 | On three-dimensional plasmon resonances in elastostatics. Annali Di Matematica Pura Ed Applicata, 2017, 196, 1113-1135. | 1.0 | 15 |

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|----|---|-----|-----------|
| 73 | On regularized full- and partial-cloaks in acoustic scattering. <i>Communications in Partial Differential Equations</i> , 2017, 42, 821-851. | 2.2 | 15 |
| 74 | Localization and geometrization in plasmon resonances and geometric structures of Neumann-Poincaré eigenfunctions. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2020, 54, 957-976. | 1.9 | 15 |
| 75 | Unique determinations in inverse scattering problems with phaseless near-field measurements. <i>Inverse Problems and Imaging</i> , 2020, 14, 569-582. | 1.1 | 15 |
| 76 | On Geometrical Properties of Electromagnetic Transmission Eigenfunctions and Artificial Mirage. <i>SIAM Journal on Applied Mathematics</i> , 2022, 82, 1-24. | 1.8 | 15 |
| 77 | Recovering complex elastic scatterers by a single far-field pattern. <i>Journal of Differential Equations</i> , 2014, 257, 469-489. | 2.2 | 14 |
| 78 | Nearly cloaking the elastic wave fields. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 104, 1045-1074. | 1.6 | 14 |
| 79 | The interior inverse scattering problem for a two-layered cavity using the Bayesian method. <i>Inverse Problems and Imaging</i> , 2022, 16, 673. | 1.1 | 14 |
| 80 | Further results on generalized Holmgren's principle to the Lamé operator and applications. <i>Journal of Differential Equations</i> , 2022, 309, 841-882. | 2.2 | 14 |
| 81 | POLARIZATION-INVARIANT DIRECTIONAL CLOAKING BY TRANSFORMATION OPTICS. <i>Progress in Electromagnetics Research</i> , 2011, 118, 415-423. | 4.4 | 13 |
| 82 | Analysis of electromagnetic scattering from plasmonic inclusions beyond the quasi-static approximation and applications. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2019, 53, 1351-1371. | 1.9 | 13 |
| 83 | Two dimensional invisibility cloaking via transformation optics. <i>Discrete and Continuous Dynamical Systems</i> , 2011, 31, 525-543. | 0.9 | 12 |
| 84 | An inverse scattering approach for geometric body generation: a machine learning perspective. <i>Mathematics in Engineering</i> , 2019, 1, 800-823. | 0.9 | 12 |
| 85 | Stable determination of an elastic medium scatterer by a single far-field measurement and beyond. <i>Calculus of Variations and Partial Differential Equations</i> , 2022, 61, . | 1.7 | 12 |
| 86 | On new surface-localized transmission eigenmodes. <i>Inverse Problems and Imaging</i> , 2021, . | 1.1 | 11 |
| 87 | Regular scattering patterns from near-cloaking devices and their implications for invisibility cloaking. <i>Inverse Problems</i> , 2013, 29, 045005. | 2.0 | 10 |
| 88 | On isotropic cloaking and interior transmission eigenvalue problems. <i>European Journal of Applied Mathematics</i> , 2018, 29, 253-280. | 2.9 | 10 |
| 89 | Recovery of an embedded obstacle and the surrounding medium for Maxwell's system. <i>Journal of Differential Equations</i> , 2019, 267, 2192-2209. | 2.2 | 10 |
| 90 | Unique continuation from a generalized impedance edge-corner for Maxwell's system and applications to inverse problems. <i>Inverse Problems</i> , 2021, 37, 035004. | 2.0 | 10 |

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|-----|---|-----|-----------|
| 91 | Determining scattering support of anisotropic acoustic mediums and obstacles. <i>Communications in Mathematical Sciences</i> , 2015, 13, 987-1000. | 1.0 | 10 |
| 92 | Plasmon resonances of nanorods in transverse electromagnetic scattering. <i>Journal of Differential Equations</i> , 2022, 318, 502-536. | 2.2 | 10 |
| 93 | On a Hybrid Approach for Recovering Multiple Obstacles. <i>Communications in Computational Physics</i> , 2022, 31, 869-892. | 1.7 | 10 |
| 94 | Effective Medium Theory for Embedded Obstacles in Elasticity with Applications to Inverse Problems. <i>SIAM Journal on Applied Mathematics</i> , 2022, 82, 720-749. | 1.8 | 10 |
| 95 | On Acoustic Cloaking Devices by Transformation Media and Their Simulation. <i>SIAM Journal on Applied Mathematics</i> , 2010, 70, 2996-3021. | 1.8 | 9 |
| 96 | Recovery of an embedded obstacle and its surrounding medium from formally determined scattering data. <i>Inverse Problems</i> , 2017, 33, 065001. | 2.0 | 9 |
| 97 | Fourier method for identifying electromagnetic sources with multi-frequency far-field data. <i>Journal of Computational and Applied Mathematics</i> , 2019, 358, 279-292. | 2.0 | 9 |
| 98 | On Calderón's inverse inclusion problem with smooth shapes by a single partial boundary measurement. <i>Inverse Problems</i> , 2021, 37, 055005. | 2.0 | 9 |
| 99 | Identifying varying magnetic anomalies using geomagnetic monitoring. <i>Discrete and Continuous Dynamical Systems</i> , 2020, 40, 6411-6440. | 0.9 | 9 |
| 100 | On a gesture-computing technique using electromagnetic waves. <i>Inverse Problems and Imaging</i> , 2018, 12, 677-696. | 1.1 | 9 |
| 101 | On vanishing and localizing around corners of electromagnetic transmission resonances. <i>SN Partial Differential Equations and Applications</i> , 2021, 2, 1. | 0.6 | 9 |
| 102 | Localized Sensitivity Analysis at High-Curvature Boundary Points of Reconstructing Inclusions in Transmission Problems. <i>SIAM Journal on Mathematical Analysis</i> , 2022, 54, 1543-1592. | 1.9 | 9 |
| 103 | Implicit Runge-Kutta methods based on Lobatto quadrature formula. <i>International Journal of Computer Mathematics</i> , 2005, 82, 77-88. | 1.8 | 8 |
| 104 | Uniqueness in determining refractive indices by formally determined far-field data. <i>Applicable Analysis</i> , 2015, 94, 1259-1269. | 1.3 | 8 |
| 105 | Mathematical Design of a Novel Gesture-Based Instruction/Input Device Using Wave Detection. <i>SIAM Journal on Imaging Sciences</i> , 2016, 9, 822-841. | 2.2 | 8 |
| 106 | Electromagnetic interior transmission eigenvalue problem for inhomogeneous media containing obstacles and its applications to near cloaking. <i>IMA Journal of Applied Mathematics</i> , 2017, 82, 1013-1042. | 1.6 | 8 |
| 107 | Sharp estimate of electric field from a conductive rod and application. <i>Studies in Applied Mathematics</i> , 2021, 146, 279-297. | 2.4 | 8 |
| 108 | Two gesture-computing approaches by using electromagnetic waves. <i>Inverse Problems and Imaging</i> , 2019, 13, 879-901. | 1.1 | 8 |

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|-----|---|-----|-----------|
| 109 | Stable determination by a single measurement, scattering bound and regularity of transmission eigenfunctions. <i>Calculus of Variations and Partial Differential Equations</i> , 2022, 61, 1. | 1.7 | 8 |
| 110 | Nearly non-scattering electromagnetic wave set and its application. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1. | 1.4 | 7 |
| 111 | Recovery of polyhedral scatterers by a single electromagnetic far-field measurement. <i>Journal of Mathematical Physics</i> , 2009, 50, . | 1.1 | 6 |
| 112 | On a novel inverse scattering scheme using resonant modes with enhanced imaging resolution. <i>Inverse Problems</i> , 2019, 35, 125012. | 2.0 | 6 |
| 113 | Uniqueness in determining multiple polygonal scatterers of mixed type. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2008, 9, 375-396. | 0.9 | 6 |
| 114 | Numerical Methods for Semilinear Fractional Diffusion Equations with Time Delay. <i>Advances in Applied Mathematics and Mechanics</i> , 2022, 14, 56-78. | 1.2 | 6 |
| 115 | Shape reconstructions by using plasmon resonances. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2022, 56, 705-726. | 1.9 | 6 |
| 116 | Spurious behavior of a symplectic integrator. <i>Computers and Mathematics With Applications</i> , 2005, 50, 519-528. | 2.7 | 5 |
| 117 | Efficient symplectic Runge-Kutta methods. <i>Applied Mathematics and Computation</i> , 2006, 172, 908-924. | 2.2 | 5 |
| 118 | State feedback design for nonlinear quadratic systems with randomly occurring actuator saturation. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1117-1124. | 2.7 | 5 |
| 119 | On a Novel Numerical Scheme for Riesz Fractional Partial Differential Equations. <i>Mathematics</i> , 2021, 9, 2014. | 2.2 | 5 |
| 120 | Imaging acoustic obstacles by singular and hypersingular point sources. <i>Inverse Problems and Imaging</i> , 2013, 7, 545-563. | 1.1 | 5 |
| 121 | On vanishing near corners of conductive transmission eigenfunctions. <i>Research in Mathematical Sciences</i> , 2022, 9, 1. | 1.0 | 5 |
| 122 | Two single-measurement uniqueness results for inverse scattering problems within polyhedral geometries. <i>Inverse Problems and Imaging</i> , 2022, 16, 1501-1528. | 1.1 | 5 |
| 123 | A CLASS OF POLARIZATION-INVARIANT DIRECTIONAL CLOAKS BY CONCATENATION VIA TRANSFORMATION OPTICS. <i>Progress in Electromagnetics Research</i> , 2012, 123, 175-187. | 4.4 | 4 |
| 124 | Simultaneous recovery of surface heat flux and thickness of a solid structure by ultrasonic measurements. <i>Electronic Research Archive</i> , 2021, 29, 3081-3096. | 0.9 | 4 |
| 125 | Three-Dimensional Elastic Scattering Coefficients and Enhancement of the Elastic Near Cloaking. <i>Journal of Elasticity</i> , 2021, 143, 111-146. | 1.9 | 4 |
| 126 | Reconstructing acoustic obstacles by planar and cylindrical waves. <i>Journal of Mathematical Physics</i> , 2012, 53, 103705. | 1.1 | 3 |

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|-----|--|-----|-----------|
| 127 | Optimal shape for a nozzle design problem using an arbitrary Lagrangian-Eulerian finite element method. <i>Journal of Inverse and Ill-Posed Problems</i> , 2014, 22, . | 1.0 | 3 |
| 128 | A Numerical Study of Complex Reconstruction in Inverse Elastic Scattering. <i>Communications in Computational Physics</i> , 2016, 19, 1265-1286. | 1.7 | 3 |
| 129 | On an inverse elastic wave imaging scheme for nearly incompressible materials. <i>IMA Journal of Applied Mathematics</i> , 2019, 84, 229-257. | 1.6 | 3 |
| 130 | Fast imaging of electromagnetic scatterers by a two-stage multilevel sampling method. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2015, 8, 547-561. | 1.1 | 3 |
| 131 | Preservation of stability properties near fixed points of linear Hamiltonian systems by symplectic integrators. <i>Applied Mathematics and Computation</i> , 2011, 217, 6105-6114. | 2.2 | 2 |
| 132 | Approximate acoustic cloaking in inhomogeneous isotropic space. <i>Science China Mathematics</i> , 2013, 56, 2631-2644. | 1.7 | 2 |
| 133 | Ground detection by a single electromagnetic far-field measurement. <i>Journal of Computational Physics</i> , 2014, 273, 472-487. | 3.8 | 2 |
| 134 | Design and finite element simulation of information-open cloaking devices. <i>Journal of Computational Physics</i> , 2021, 426, 109944. | 3.8 | 2 |
| 135 | Boundary localization of transmission eigenfunctions in spherically stratified media. <i>Asymptotic Analysis</i> , 2022, , 1-19. | 0.5 | 2 |
| 136 | Gradient Estimates for Electric Fields with MultiScale Inclusions in the Quasi-Static Regime. <i>Multiscale Modeling and Simulation</i> , 2022, 20, 641-656. | 1.6 | 1 |
| 137 | RESTARTED NONLINEAR CONJUGATE GRADIENT METHOD FOR PARAMETER IDENTIFICATION IN ELLIPTIC SYSTEM. <i>Eurasian Journal of Mathematical and Computer Applications</i> , 2013, 1, 62-77. | 0.4 | 0 |
| 138 | An Efficient Multilevel Algorithm for Inverse Scattering Problem. , 2007, , 234-242. | | 0 |
| 139 | Symmetric-Adjoint and Symplectic-Adjoint Runge-Kutta Methods and Their Applications. <i>Numerical Mathematics</i> , 2022, 15, 304-335. | 1.3 | 0 |