

Abdessatar Khelifi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

141
citations

1684188

5
h-index

1281871

11
g-index

25
all docs

25
docs citations

25
times ranked

58
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic scattering by small dielectric inhomogeneities. Journal Des Mathematiques Pures Et Appliquees, 2003, 82, 749-842.	1.6	77
2	Asymptotic expansions for the voltage potentials with two-dimensional and three-dimensional thin interfaces. Mathematical Methods in the Applied Sciences, 2011, 34, 2274-2290.	2.3	16
3	Boundary voltage perturbations resulting from small surface changes of a conductivity inclusion. Applicable Analysis, 2014, 93, 46-64.	1.3	10
4	Asymptotic Behaviors for Eigenvalues and Eigenfunctions Associated to Stokes Operator in the Presence of Small Boundary Perturbations. Mathematical Physics Analysis and Geometry, 2017, 20, 1.	1.0	9
5	Asymptotic property and convergence estimation for the eigenelements of the Laplace operator. Applicable Analysis, 2007, 86, 1249-1264.	1.3	5
6	Numerical solution of an inverse initial boundary-value problem for the full time-dependent Maxwell's equations in the presence of imperfections of small volume. Applicable Analysis, 2013, 92, 975-996.	1.3	4
7	Determination of small amplitude perturbations for the electric permittivity from partial dynamic boundary measurements. Journal of Mathematical Physics, 2007, 48, .	1.1	3
8	Reconstruction of closely spaced small inhomogeneities via boundary measurements for the full time-dependent Maxwell's equations. Applied Mathematical Modelling, 2009, 33, 1719-1728.	4.2	3
9	Small perturbation of a surface: Full Maxwell's equations. Journal of Mathematical Analysis and Applications, 2016, 444, 1721-1738.	1.0	3
10	Asymptotic behaviour of the energy for electromagnetic systems in the presence of small inhomogeneities. Applicable Analysis, 2012, 91, 857-877.	1.3	2
11	Boundary layer method for solving full Maxwell equations in the presence of an electromagnetic inhomogeneity of small diameter. Journal of Mathematical Analysis and Applications, 2022, 505, 125584.	1.0	2
12	The integral equation methods for the perturbed Helmholtz eigenvalue problems. International Journal of Mathematics and Mathematical Sciences, 2005, 2005, 1201-1220.	0.7	1
13	On the perturbation of the electromagnetic energy due to the presence of small inhomogeneities. Comptes Rendus Mathematique, 2008, 346, 287-292.	0.3	1
14	On a Hyperbolic Coefficient Inverse Problem via Partial Dynamic Boundary Measurements. Journal of Applied Mathematics, 2010, 2010, 1-14.	0.9	1
15	Reconstruction of polygonal inclusions in a heat conductive body from dynamical boundary data. ESAIM: Mathematical Modelling and Numerical Analysis, 2017, 51, 949-964.	1.9	1
16	On the behavior of resonant frequencies in the presence of small anisotropic imperfections. Indagationes Mathematicae, 2017, 28, 1240-1257.	0.4	1
17	On the asymptotic formulas for perturbations in the eigenvalues of the Stokes equations due to the presence of small deformable inclusions. Journal of Applied Analysis, 2022, 28, 149-164.	0.5	1
18	Asymptotic behavior of eigenvalues of the Maxwell system in the presence of small changes in the interface of an inclusion. Communications on Pure and Applied Analysis, 2022, .	0.8	1

#	ARTICLE	IF	CITATIONS
19	An inverse problem for a linear Schrödinger equation in the presence of inhomogeneities of small volumes. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2008, 88, 472-482.	1.6	0
20	On an inverse boundary problem for the heat equation when small heat conductivity defects are present in a material. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2016, 96, 327-343.	1.6	0
21	On the identification of the heat conductivity distribution from partial dynamic boundary measurements. Applicable Analysis, 2021, 100, 2735-2748.	1.3	0
22	Small perturbations of an interface for Stokes system. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201800175.	1.6	0
23	An integral equation method for the Helmholtz problem in the presence of small anisotropic inclusions. Complex Variables and Elliptic Equations, 2022, 67, 384-400.	0.8	0
24	Maxwell interface problems—existence and uniqueness of solutions for Maxwell's equations. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201800033.	1.6	0
25	Identification of deformable droplets from boundary measurements: the case of non-stationary Stokes problem. Inverse Problems in Science and Engineering, 2021, 29, 3451-3474.	1.2	0