MaÃ¯tine Bergounioux

List of Publications by Year
in descending order

30 papers	449 citations	840776 11 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	292 citing authors

#	ARTICLE	IF	CITATIONS
1	Pontryagin maximum principle for general Caputo fractional optimal control problems with Bolza cost and terminal constraints. ESAIM - Control, Optimisation and Calculus of Variations, 2020, 26, 35.	1.3	38
2	How to position sensors in thermo-acoustic tomography. Inverse Problems, 2019, 35, 074003.	2.0	5
3	The CaliPhoto Method. Inventions, 2019, 4, 67.	2.5	1
4	An Anisotropic Inf-Convolution BV Type Model for Dynamic Reconstruction. SIAM Journal on Imaging Sciences, 2018, 11, 129-163.	2.2	1
5	Automatic Choice of the Threshold of a Grain Filter via Galtonâ€"Watson Trees: Application to Granite Cracks Detection. Journal of Mathematical Imaging and Vision, 2018, 60, 50-69.	1.3	0
6	Variational Methods for Tomographic Reconstruction with Few Views. Milan Journal of Mathematics, 2018, 86, 157-200.	1.1	4
7	Tomographic Reconstruction from a Few Views: A Multi-Marginal Optimal Transport Approach. Applied Mathematics and Optimization, 2017, 75, 55-73.	1.6	19
8	Quantitative thermoacoustic tomography with microwaves sources. Journal of Inverse and Ill-Posed Problems, 2017, 25, 703-717.	1.0	9
9	Fractional sobolev spaces and functions of bounded variation of one variable. Fractional Calculus and Applied Analysis, 2017, 20, 936-962.	2.2	11
10	1. Second-order decomposition model for image processing: numerical experimentation. , 2016, , 5-34.		1
11	Mathematical Analysis of a Inf-Convolution Model for Image Processing. Journal of Optimization Theory and Applications, 2016, 168, 1-21.	1.5	25
12	Parameter Selection in a Mumfordâ€"Shah Geometrical Model for the Detection of Thin Structures. Acta Applicandae Mathematicae, 2016, 141, 17-47.	1.0	4
13	On the uniqueness and stability of an inverse problem in photo-acoustic tomography. Journal of Mathematical Analysis and Applications, 2015, 431, 1138-1152.	1.0	2
14	A variational model for trabecular bone radiograph characterization. , 2014, , .		5
15	An optimal control problem in photoacoustic tomography. Mathematical Models and Methods in Applied Sciences, 2014, 24, 2525-2548.	3.3	16
16	Second-order Variational Models for Image Texture Analysis. Advances in Imaging and Electron Physics, 2014, , 35-124.	0.2	9
17	A full second order variational model for multiscale texture analysis. Computational Optimization and Applications, 2013, 54, 215-237.	1.6	11
18	A Second Order Model for 3D-Texture Extraction. Springer Proceedings in Mathematics, 2011, , 41-57.	0.5	6

#	Article	IF	Citations
19	Optimal control of a quasi-variational obstacle problem. Journal of Global Optimization, 2010, 47, 421-435.	1.8	20
20	A Second-Order Model for Image Denoising. Set-Valued and Variational Analysis, 2010, 18, 277-306.	1.1	54
21	A variational method using fractional order Hilbert spaces for tomographic reconstruction of blurred and noised binary images. Journal of Functional Analysis, 2010, 259, 2296-2332.	1.4	15
22	A Penalization Approach for Tomographic Reconstruction of Binary Axially Symmetric Objects. Applied Mathematics and Optimization, 2008, 58, 345-371.	1.6	10
23	A mathematical programming problem with singular mixed pointwise-integral constraints. Journal of Mathematical Analysis and Applications, 2005, 308, 491-512.	1.0	1
24	Determination of a power density by an entropy regularization method. Journal of Applied Mathematics, 2005, 2005, 127-152.	0.9	2
25	Optimal Control of Bilateral Obstacle Problems. SIAM Journal on Control and Optimization, 2004, 43, 240-255.	2.1	30
26	A Fully Discrete Approximation for Control Problems Governed by Parabolic Variational Inequalities. SIAM Journal on Numerical Analysis, 2002, 39, 2014-2033.	2.3	4
27	Primal-Dual Strategy for State-Constrained Optimal Control Problems. Computational Optimization and Applications, 2002, 22, 193-224.	1.6	103
28	Optimal Control of Obstacle Problems: Existence of Lagrange Multipliers. ESAIM - Control, Optimisation and Calculus of Variations, 2000, 5, 45-70.	1.3	21
29	Optimal Control of Semilinear Parabolic Equations with State-Constraints of Bottleneck Type. ESAIM - Control, Optimisation and Calculus of Variations, 1999, 4, 595-608.	1.3	14
30	On boundary state constrained control problems. Numerical Functional Analysis and Optimization, 1993, 14, 515-543.	1.4	8