

# Marco Morandotti

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

217  
citations

1040056

9  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

193  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Existence and Uniqueness Result for the Motion of Self-Propelled Microswimmers. <i>SIAM Journal on Mathematical Analysis</i> , 2011, 43, 1345-1368.	1.9	34
2	Dynamics for Systems of Screw Dislocations. <i>SIAM Journal on Applied Mathematics</i> , 2015, 75, 393-419.	1.8	21
3	Global minimizers for axisymmetric multiphase membranes. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2013, 19, 1014-1029.	1.3	19
4	Second-Order Structured Deformations: Relaxation, Integral Representation and Applications. <i>Archive for Rational Mechanics and Analysis</i> , 2017, 225, 1025-1072.	2.4	15
5	Is influenza A(H1N1) pneumonia more severe than other community-acquired pneumonias? Results of the GiViTI survey of 155 Italian ICUs. <i>Intensive Care Medicine</i> , 2011, 37, 1746-55.	8.2	13
6	<sup>99m</sup> Tc human serum albumin nanocolloids: particle sizing and radioactivity distribution. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 376-382.	1.0	13
7	Homogenization of Functionals with Linear Growth in the Context of $A$ -quasiconvexity. <i>Applied Mathematics and Optimization</i> , 2015, 72, 523-547.	1.6	12
8	Optimal design of fractured media with prescribed macroscopic strain. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 1094-1132.	1.0	10
9	Mean-field Analysis of Multipopulation Dynamics with Label Switching. <i>SIAM Journal on Mathematical Analysis</i> , 2020, 52, 1427-1462.	1.9	10
10	Explicit formulas for relaxed disarrangement densities arising from structured deformations. <i>Mathematics and Mechanics of Complex Systems</i> , 2017, 5, 163-189.	0.9	9
11	Spatially Inhomogeneous Evolutionary Games. <i>Communications on Pure and Applied Mathematics</i> , 2021, 74, 1353-1402.	3.1	9
12	One-dimensional swimmers in viscous fluids: dynamics, controllability, and existence of optimal controls. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2015, 21, 190-216.	1.3	8
13	Discrete-To-Continuum Limits of Particles with an Annihilation Rule. <i>SIAM Journal on Applied Mathematics</i> , 2019, 79, 1940-1966.	1.8	8
14	A multi-step Lagrangian scheme for spatially inhomogeneous evolutionary games. <i>Journal of Evolution Equations</i> , 2021, 21, 2691-2733.	1.1	6
15	Self-propelled micro-swimmers in a Brinkman fluid. <i>Journal of Biological Dynamics</i> , 2012, 6, 88-103.	1.7	4
16	Properties of Screw Dislocation Dynamics: Time Estimates on Boundary and Interior Collisions. <i>SIAM Journal on Applied Mathematics</i> , 2017, 77, 1678-1705.	1.8	4
17	Dimension Reduction in the Context of Structured Deformations. <i>Journal of Elasticity</i> , 2018, 133, 1-35.	1.9	4
18	Mean-Field Selective Optimal Control via Transient Leadership. <i>Applied Mathematics and Optimization</i> , 2022, 85, 9.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Dynamics of screw dislocations: A generalised minimising-movements scheme approach. <i>European Journal of Applied Mathematics</i> , 2017, 28, 636-655.	2.9	3
20	Structured Deformations of Continua: Theory and Applications. <i>Mathematics for Industry</i> , 2018, , 125-136.	0.4	3
21	The $\mathbb{N}^3$ -Link Swimmer in Three Dimensions: Controllability and Optimality Results. <i>Acta Applicandae Mathematicae</i> , 2022, 178, 6.	1.0	3
22	A model for the quasistatic growth of cracks with fractional dimension. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2017, 154, 43-58.	1.1	2
23	Upscaling and spatial localization of non-local energies with applications to crystal plasticity. <i>Mathematics and Mechanics of Solids</i> , 2021, 26, 963-997.	2.4	2
24	Analysis of a perturbed Cahn-Hilliard model for Langmuir-Blodgett films. <i>Nonlinear Differential Equations and Applications</i> , 2019, 26, 1.	0.8	1
25	Homogenization problems in the calculus of variations: an overview. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2015, 9, 162-180.	0.4	0
26	Boundary Behavior and Confinement of Screw Dislocations. <i>MRS Advances</i> , 2017, 2, 2633-2638.	0.9	0
27	Structured deformations and applications. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2017, 17, 711-712.	0.2	0
28	Upscaling of screw dislocations with increasing tangential strain. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2020, 31, 421-445.	0.6	0