Jean-FranÃ§ois Dufourd

List of Publications by Year
in descending order

15 papers	176 citations	1040056 9 h-index	1125743 13 g-index
16 all docs	16 docs citations	16 times ranked	56 citing authors

#	Article	IF	Citations
1	Formal study of functional orbits in finite domains. Theoretical Computer Science, 2015, 564, 63-88.	0.9	3
2	Formal specification and proofs for the topology and classification of combinatorial surfaces. Computational Geometry: Theory and Applications, 2014, 47, 869-890.	0.5	2
3	Hypermap Specification and Certified Linked Implementation Using Orbits. Lecture Notes in Computer Science, 2014, , 242-257.	1.3	1
4	Formal Proof in Coq and Derivation of an Imperative Program to Compute Convex Hulls. Lecture Notes in Computer Science, 2013, , 71-88.	1.3	1
5	Designing and proving correct a convex hull algorithm with hypermaps in Coq. Computational Geometry: Theory and Applications, 2012, 45, 436-457.	0.5	18
6	An Intuitionistic Proof of a Discrete Form of the Jordan Curve Theorem Formalized in Coq with Combinatorial Hypermaps. Journal of Automated Reasoning, 2009, 43, 19-51.	1.4	19
7	Polyhedra genus theorem and Euler formula: A hypermap-formalized intuitionistic proof. Theoretical Computer Science, 2008, 403, 133-159.	0.9	15
8	Design and formal proof of a new optimal image segmentation program with hypermaps. Pattern Recognition, 2007, 40, 2974-2993.	8.1	11
9	Formalizing the trading theorem in Coq. Theoretical Computer Science, 2004, 323, 399-442.	0.9	6
10	Parametrizing geometric objects using Î»-calculus. , 2002, , .		1
11	Higher-Order Intuitionistic Formalization and Proofs in Hilbertâ€™s Elementary Geometry. Lecture Notes in Computer Science, 2001, , 306-323.	1.3	19
12	Functional specification and prototyping with oriented combinatorial maps. Computational Geometry: Theory and Applications, 2000, 16, 129-156.	0.5	19
13	Formalizing mathematics in higher-order logic: A case study in geometric modelling. Theoretical Computer Science, 2000, 234, 1-57.	0.9	10
14	A formal specification of geometric refinements. Visual Computer, 1999, 15, 279-301.	3.5	7
15	Geometric construction by assembling solved subfigures. Artificial Intelligence, 1998, 99, 73-119.	5.8	33