

## PUBLICATIONS

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## Expository articles

- [1] Sur la cohomologie de  $N(r, d)$ , in *Modules des Fibrés Stables sur les Courbes Algébriques*, 105–128, J.-L. Verdier and J. Le Potier editors, Progress in Mathematics **54**, Birkhäuser, 1985.
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- [4] Fano Varieties, in *Higher Dimensional Varieties and Rational Points, Budapest, 2001*, 93–132, K. Böröczky Jr., J. Kollár, and T. Szamuely editors, Bolyai Society Mathematical Studies **12**, Springer-Verlag, Berlin, 2003.
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- [6] Classes de cohomologie positives dans les variétés kählériennes compactes, Exposé 943, *Séminaire Bourbaki, 2004/05*, Astérisque **307** (2006), 199–227.
- [7] Systèmes pluricanoniques sur les variétés de type général, Exposé 970, *Séminaire Bourbaki, 2006/07*, Astérisque **311** (2008), 119–140.
- [8] Periods and moduli, in *Current Developments in Algebraic Geometry*, L. Caporaso, J. M<sup>c</sup>Kernan, M. Mustașă, and M. Popa editors, MSRI Publications, 2010.
- [9] Curves of low degrees on Fano varieties, in *Birational Geometry, Rational Curves, and Arithmetic*, F. Bogomolov, B. Hassett, and Y. Tschinkel editors, Simons Symposia, Springer, 2013.
- [10] Cohomological characterizations of the complex projective space, arXiv:1512.04321.
- [11] On the Geometry of Hypersurfaces of Low Degrees in the Projective Space in *Algebraic Geometry and Number Theory, Istanbul, 2014*, 55–90, H. Mourtada, C. G. Sarioğlu, C. Soulé, and A. Zeytin editors, Progress in Mathematics **321**, Springer, 2017.
- [12] Hyperkähler manifolds, with an appendix by E. Macrì, *Milan J. Math.* **90** (2022), 305–387.
- [13] with P. BERI.– On the Hodge and Betti numbers of hyper-Kähler manifolds, *Milan J. Math.* **90** (2022), 417–431.

## Books

- [1a] *Tores et variétés abéliennes complexes*, Cours Spécialisés **6**, Société mathématique de France, 1999.
- [1b] *Complex Tori and Abelian Varieties* (English translation of [1a]), SMF/AMS Texts and Monographs **11**, American Mathematical Society, 2005.
- [2] *Higher-Dimensional Algebraic Geometry*, Universitext, Springer Verlag, 2001.

## Research articles

- [1] Inégalités numériques pour les surfaces de type général, *Bull. Soc. math. France* **110** (1982), 319–346.
- [2] Un contre-exemple au théorème de Torelli pour les variétés symplectiques irréductibles, *C. R. Acad. Sci. Paris* **299** (1984), 681–684.
- [3] Sur la démonstration de A. Weil du théorème de Torelli pour les courbes, *Compos. Math.* **58** (1986), 3–11.
- [4] with A. BEAUVILLE.– Une relation entre deux approches du problème de Schottky, *Invent. Math.* **86** (1986), 195–207.
- [5] Annulation de thêta-constants sur les variétés abéliennes de dimension quatre, *C. R. Acad. Sci. Paris* **305**, Série I (1987), 885–888.
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- [7] Sur les variétés abéliennes dont le diviseur thêta est singulier en codimension 3, *Duke Math. J.* **56** (1988), 221–273.
- [8] Sur les variétés de Prym des courbes tétraogonales, *Ann. Sc. École Norm. Sup.* **21** (1988), 545–559.
- [9] with A. BEAUVILLE, R. DONAGI, and G. VAN DER GEER.– Sur les fonctions thêta d’ordre deux et les singularités du diviseur thêta, *C. R. Acad. Sci. Paris* **307** (1988), 481–484.
- [10] Sur le problème de Torelli pour les variétés de Prym, *Amer. J. Math.* **111** (1989), 111–134.
- [11] with F. CATANESE.– Surfaces with  $K^2 = 2$ ,  $p_g = 1$ ,  $q = 0$ , *J. reine angew. Math.* **395** (1989), 1–55.
- [12] Le théorème de Torelli pour les intersections de trois quadriques, *Invent. Math.* **95** (1989), 507–528.
- [13] Images lisses d’une variété abélienne simple, *C. R. Acad. Sci. Paris* **309** (1989), 119–122.
- [14] Une démonstration élémentaire du théorème de Torelli pour les intersections de trois quadriques de dimension impaire, in *Arithmetic of Complex Manifolds, Proceedings, Erlangen 1988*, Springer Lecture Notes **1399**, Springer Verlag, 1989.
- [15] with A. BEAUVILLE.– Sur les fonctions thêta du second ordre, in *Arithmetic of Complex Manifolds, Proceedings, Erlangen 1988*, Springer Lecture Notes **1399**, Springer Verlag, 1989.
- [16] The trisecant conjecture for Pryms, in *Theta Functions, Bowdoin 1987*, Proceedings of Symposia in Pure Mathematics **49**, Part 1, 1989.
- [17] Variétés de Prym et ensembles d’Andreotti et Mayer, *Duke Math. J.* **60** (1990), 599–630.
- [18] Sur le théorème de Torelli pour les solides doubles quartiques, *Compos. Math.* **73** (1990), 161–187.
- [19] with Y. LASZLO.– Sur le lieu de Noether-Lefschetz pour les variétés abéliennes, *C. R. Acad. Sci. Paris* **311** (1990), 337–340.
- [20] with T. TON-THAT.– Representations of  $SO(k, \mathbf{C})$  on harmonic polynomials on a null cone, *Proc. Amer. Math. Soc.* **112** (1991), 31–44.
- [21] Trisecant lines and Jacobians, *J. Algebraic Geom.* **1** (1992), 5–14.
- [22] Vers une stratification de l’espace des modules des variétés abéliennes principalement polarisées, in *Complex Algebraic Varieties, Proceedings, Bayreuth 1990*, Springer Lecture Notes **1507**, 1992.
- [23] Le lieu des variétés abéliennes dont le diviseur thêta est singulier a deux composantes, *Ann. Sc. École Norm. Sup.* **25** (1992), 687–708.

- [24] with R. FAHLAOUI.– Abelian Varieties In  $W_d^r(C)$  And Points Of Bounded Degrees On Algebraic Curves, *Compos. Math.* **88** (1993), 235–249.
- [25] Degrees of curves in abelian varieties, *Bull. Soc. math. Fr.* **122** (1994), 101–119.
- [26] with M. KLASSEN.– Points of Low Degree on Smooth Plane Curves, *J. reine angew. Math.* **446** (1994), 81–87.
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- [34] Théorèmes de connexité pour les produits d’espaces projectifs et les grassmanniennes, *Amer. J. Math.* **118** (1996), 1347–1367.
- [35] Trisecant lines and Jacobians, II, *Compos. Math.* **107** (1997), 177–186.
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- [41] with L. BONAVERO, C. CASAGRANDE, and S. DRUEL.– Sur une conjecture de Mukai, *Comment. Math. Helv.* **78** (2003), 601–626.
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- [46] with C. HACON.– Singularities of divisors on abelian varieties, *Manuscripta Math.* **122** (2007), 217–228.
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- [51] with A. ILIEV and L. MANIVEL.– On nodal prime Fano threefolds of degree 10, *Sci. China Math.* **54** (2011), 1591–1609.
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