

CIRO CILIBERTO—LIST OF PAPERS

- (1) Sulla classificazione dei fibrati algebrici reali, *Ricerche di Mat.* 25 (1975), 211-228.
- (2) Sulle varietà limiti delle trasformate omografiche di una varietà assegnata, *Ricerche di Mat.* 26 (1977), 161-176.
- (3) Sui sistemi di corrispondenze a valenza di una curva algebrica in \mathbb{P}^2 , *Ricerche di Mat.* 27 (1978), 109-130.
- (4) Sui sistemi di corrispondenze di una curva ellittica in \mathbb{P}^2 , *Rend. Accad. Sci. Fis. Mat. Soc. Naz. Sci. Lettere ed Arti in Napoli*, IV 45 (1978), 5-22.
- (5) Sulla caratteristica di Eulero-Poincaré delle intersezioni complete di $\mathbb{C}\mathbb{P}^r$ con singolarità isolate, *Ric. di Mat.* 27 (1978), 405-411.
- (6) On the Euler-Poincaré characteristic of complete intersections in $\mathbb{C}\mathbb{P}^r$ with isolated singularities, *International Congress of Mathematicians, Helsinki, Finland, 1978, Abstracts of short communications and poster sessions*, p. 73.
- (7) Sui sistemi di corrispondenze di una curva algebrica a moduli generali in \mathbb{P}^2 , *Ricerche di Mat.* 28 (1979), 61-82.
- (8) Ipersuperficie algebriche a punti parabolici e relative hessiane, *Rend. Accad. Naz. dei XL* 98 (1979-80), 25-42.
- (9) On the Euler-Poincaré characteristic of complete intersections in $\mathbb{C}\mathbb{P}^r$ with isolated singularities, *Boll. Unione Mat. Italiana*, 17-B (1980), 1278-1289.
- (10) Osservazioni su alcuni classici teoremi di unirazionalità per ipersuperficie e complete intersezioni algebriche proiettive, *Ricerche di Mat.* 29 (1980), 175-191.
- (11) Canonical surfaces with $p_g = p_a = 4$ and $K^2 = 5, \dots, 10$, *Duke Math. J.*, 48 (1981), 1-37.
- (12) Canonical surfaces with $p_g = p_a = 5$ and $K^2 = 10$, *Ann. S.N.S. Pisa*, IV 9 (1982), 287-336, with errata-corrige.
- (13) Ipersuperficie aggiunte a curve in \mathbb{P}^r , in “Curve Algebriche”, *Atti del Convegno di Geometria Algebrica*, IAGA, Firenze 1982.
- (14) Alcune applicazioni di un classico procedimento di Castelnuovo, *Seminario di Geometria*, Università di Bologna (1982-83), 17-43.
- (15) Adjoint hypersurfaces to a curve in \mathbb{P}^r following Petri (in coll. with E. Arbarello), *Lecture Notes in Pure and Appl. Math.* 84 (1983), 1-22.
- (16) On a proof of Torelli’s theorem, *Proceedings of the Conference “Problems in Algebraic Geometry”*, Ravello, 1982, *Springer Lecture Notes in Math.* 997 (1983), 112-123.
- (17) Sul grado dei generatori dell’anello canonico di una superficie di tipo generale, *Rend. Sem. Mat. Univers. Politecn. Torino*, 41 (1983), 83-111.
- (18) Adjoint ideals to projective curves are locally extended ideals (in coll. with F. Orecchia), *Boll. Unione Mat. Italiana* (6) 3-B (1984), 39-52.
- (19) Sulle serie algebriche di divisori su una curva e su una superficie, *Ann. Mat. Pura e Appl.* (IV) 134 (1984), 329-353 (in coll. with F. Ghione).
- (20) On the uniqueness of certain linear series on the curves of some classes, *Springer Lecture Notes in Math.* 1092 (1984), 198-213 (in coll. with R. Lazarsfeld).
- (21) Superficie algebriche complesse: idee e metodi della classificazione, *Atti del convegno di Geometria Algebrica*, Nervi (Genova), Ed. Tecnoprint, Bologna, 1984, 39-158.

- (22) Curve algebriche proiettive: risultati e problemi, Atti del Convegno del GNSAGA del CNR, Torino, 1984, 59-108.
- (23) Alcune questioni combinatorie in geometria algebrica, Quaderni del Seminario di Geometria Combinatoria della Universita' di Roma "La Sapienza", 55 (1985).
- (24) Rationally determined line bundles on families of curves, Queen's Papers in Pure and Appl. Math. 76 (1986), with errata-corrige in Queen's Papers in Pure and Appl. Math. 80 (1988).
- (25) Perfect varieties with defining equations of high degree, Boll. Unione Mat. Italiana, (7) 1-B (1987), 633-647 (in coll. with A. V. Geramita and F. Orecchia).
- (26) On rationally determined line bundles on a family of projective curves with general moduli, Duke Math. J. 55 (1987), 909-917.
- (27) Hilbert functions of finite sets of points and the genus of a curve in a projective space, Proceedings del convegno "Space Curves", Rocca di Papa (1985), Springer Lecture Notes in Math. 1266 (1987), 24-73.
- (28) On a property of Castelnuovo varieties, Trans. Amer. Math. Soc. 303 (1987), 201-210.
- (29) On the Hilbert scheme of curves of maximal genus in a projective space, Math. Z. 194 (1987), 351-363.
- (30) Curve e superficie, voce del Dizionario delle Scienze Fisiche, Istituto della Enciclopedia Italiana G. Treccani, 1988.
- (31) Remarks on a theorem of Hilbert-Burch, Boll. Unione Mat. Italiana, (7) 2-B (1988), 463-488 (in coll. with A.V. Geramita and F. Orecchia).
- (32) On the surjectivity of the Wahl map, Duke Math. J., 57 (1988), 829-858 (in coll. with J. Harris and R. Miranda).
- (33) General components of the Noether-Lefschetz locus and their density in the space of all surfaces, Math. Ann. 282 (1988), 667-680 (in coll. with J. Harris and R. Miranda).
- (34) Families of varieties and the Hilbert scheme, Proceedings College on Riemann Surfaces, ICTP Trieste, Ed. M. Cornalba, X. Gomez-Mont, A. Verjovsky, 1988, World Scientific (in coll. with E. Sernesi).
- (35) Curves on surfaces of degree $2r - 8$ in \mathbb{P}^r , Comment. Math. Helvetici, 64 (1989), 300-328 (in coll. with E. Sernesi).
- (36) Appunti di algebra lineare, Unitor, Roma, 1989.
- (37) A few comments on some aspects of the mathematical work of F. Enriques, in "Geometry and Complex Variables", Proceedings of an international meeting on the occasion of the IX centennial of the University of Bologna, ed. S. Coen, Lecture Notes in Pure and Appl. Math., 1989 (132), 89-109.
- (38) Endomorfismi di jacobiane, Rend. Sem. Mat. Univ. e Politecnico di Milano, 59 (1989), 213-242.
- (39) Open problems, in Algebraic Curves and Projective Geometry, Springer Lecture Notes in Math. 1389 (1989), 276-285 (in coll. with E. Ballico).
- (40) On the degree and genus of a smooth curve in a projective space, Advances in Math., 81 (1990), 198-284.
- (41) On the gaussian map for canonical curves of low genus, Duke Math. J. 61 (2), 1990, 417-443 (in coll. with R. Miranda).
- (42) Curve poligonali, grafi e applicazione di Gauss, Conferenza tenuta al convegno Giornate di Geometria in onore di G. Tallini, Caserta, 1990 (in coll. with Anna Franchetta).
- (43) Subvarieties of the moduli space of curves parametrizing jacobians with non trivial endomorphisms, Amer. J. of Math. 114 (1991), 551-570 (in coll. with G. van der Geer).
- (44) On the existence of components of the Noether-Lefschetz locus with given codimension, Manuscripta Math. 73 (1991), 341-357 (in coll. with A. Lopez).
- (45) Some aspects of the scientific activity of Michele De Franchis, Rend. Circ. Mat. Palermo, Volume Speciale, Opere di M. De Franchis, 2-27 (1991) (in coll. with E. Sernesi).
- (46) Hypercubique de \mathbb{P}^4 avec sept points singuliers génériques, C. R. Acad. Sci. Paris, 313 I (1991), 135-137 (in coll. with A. Hirschowitz).

- (47) Singularities of the theta divisor and congruences of planes, *J. of Algebraic Geometry*, 1 (1992), 231-250 (in coll. with E. Sernesi).
- (48) Surfaces with $p_g = q = 1$, in "Problems in the Theory of Surfaces and their Classification", Cortona, 1988, *Symposia Math.* 32 (1992), 49-79 (in coll. with F. Catanese).
- (49) Gaussian maps for certain families of canonical curves, in *Complex Projective Geometry*, Ed. G. Ellingsrud, C. Peskine, G. Sacchiero, S. A. Stromme, London Math. Soc. Lecture Notes Series, 179 (1992), 106-127 (in coll. with R. Miranda).
- (50) On the number of parameters of jacobians with non trivial endomorphisms, *J. of Alg. Geom.*, 1 (1992), 215-229 (in coll. with G. van der Geer and M. Teixidor i Bigas).
- (51) On the endomorphisms of $\text{Jac}(W_d^1(C))$ when $\rho = 1$ and C has general moduli, *Proceedings of the Trento Conference 1990, Lecture Notes in Math.*, 1515 (1992), 41-67 (in coll. with J. Harris and M. Teixidor).
- (52) On the jacobian of a hyperplane section of a surface, *Lecture Notes in Math.*, *Proceedings of the Trento Conference 1990*, 1515 (1992), 33-40 (in coll. with G. van der Geer).
- (53) Open problems, *Lecture Notes in Math.*, *Proceedings of the Trento Conference 1990*, 1515 (1992), 140-146 (in coll. with E. Ballico and F. Catanese).
- (54) L'applicazione di Gauss per grafi trivalenti, *Rendiconti di Matematica e Appl.*, Ser. VII, 12 (1992), 165-196 (in coll. with Anna Franchetta).
- (55) Italian algebraic geometers from 1850 to 1970: a bibliography and a few biographical notes, pre-print, 1992, e-version on the web site
<http://www.mat.uniroma3.it/users/sernesi/BIBLIOGRAFIA/INDEX.HTM>
(in coll. with A. Brigaglia and E. Sernesi)
- (56) Symmetric products of elliptic curves and surfaces of general type with $p_g = q = 1$, *J. of Alg. Geom.*, 2 (1993), 389-411 (in coll. F. Catanese).
- (57) On gaussian maps for projective varieties, in *Proceedings of the Conference "Geometry of Complex Projective Varieties"*, Cetraro (Italy), June 1990, Ed. A. Lanteri, M. Palleschi, D. C. Struppa, Mediterranean Press, 1993, 35-54 (in coll. with E. Ballico).
- (58) On the irregularity of cyclic coverings of algebraic surfaces, in *Proceedings of the Conference "Geometry of Complex Projective Varieties"*, Cetraro (Italy), June 1990, Ed. A. Lanteri, M. Palleschi, D. C. Struppa, Mediterranean Press, 1993, 89-116 (in coll. with F. Catanese).
- (59) On the surjectivity of the gaussian map for Prym-canonical line bundles on a general curve, in *Proceedings of the Conference "Geometry of Complex Projective Varieties"*, Cetraro (Italy), June 1990, Ed. A. Lanteri, M. Palleschi, D. C. Struppa, Mediterranean Press, 1993, 117-142 (in coll. with A. Verra).
- (60) The genus of projective curves, *Duke Math. J.*, 70 (1993), 229-245 (in coll. with L. Chiantini and V. Di Gennaro).
- (61) On the symmetric products of a curve, *Arkiv der Math.*, 61 (1993), 285-290 (in coll. with E. Sernesi).
- (62) A few remarks on the lifting problem, *Proceedings Conf. of Algebraic Geometry*, Paris, 1992, *Asterisque* 218, (1993), 95-109 (in coll. with L. Chiantini).
- (63) Projective degenerations of K3 surfaces, Gaussian maps, and Fano threefolds, *Inventiones Math.* 114 (1993), 641-667 (in coll. with A. Lopez e R. Miranda).
- (64) Non isomorphic curves of genus four with isomorphic (non-polarized) jacobians, *Proceedings Conference on Algebraic Geometry*, L'Aquila, 1992, *Contemporary Math.* 162 (1994), 129-134 (in coll. with G. van der Geer).
- (65) Graph curves, colourings, and matroids, *Proceedings of the Conference "Zero-dimensional schemes"*, Ravello (SA) 1992, De Gruyter, 1994, 89-111 (in coll. with R. Miranda).
- (66) Curves of maximal genus in \mathbb{P}^4 , *Proceedings of the Conference "Zero-dimensional schemes"*, Ravello (SA) 1992, De Gruyter, 1994, 81-88 (in coll. with L. Chiantini).
- (67) Annibale Comessatti and real algebraic geometry, *Atti del Convegno "Geometria e Algebra 1860-1940: il contributo italiano"*, Cortona, 1992, *Suppl. Rend. Circ. Mat. Palermo (II)* 36 (1994), 71-102 (in coll. with C. Pedrini).
- (68) *Algebra Lineare*, Bollati Boringhieri, Torino, 1994.

- (69) Italian algebraic geometry between the two world wars, Queen's Papers in Pure and Applied Math., 100 (1995) (in coll. with A. Brigaglia).
- (70) Curves of minimal genus on a general abelian variety, *Compositio Math.* 96 (1995), 115-147 (in coll. with F. Bardelli and A. Verra).
- (71) Singularities of the theta divisor and families of secant spaces to a canonical curve, *J. of Algebra* 171 (1995), 867-893 (in coll. with E. Sernesi).
- (72) Pencils of minimal degree on curves on a K3 surface, *J. reine angew. Math.* 460 (1995), 15-36 (in coll. with G. Pareschi).
- (73) The genus of curves in \mathbb{P}^4 verifying certain flag conditions, *Manuscripta Math.* 88 (1995), 119-134 (in coll. with L. Chiantini and V. Di Gennaro).
- (74) R. Torelli, Preface to the Collected Papers, Queen's Papers of Pure and Applied Math. 101 (1995) (in coll. with E. Sernesi).
- (75) On the corank of the gaussian map for general embedded K3 surfaces, *Israel Math. Conf. Proc., Papers in Honor of Hirzebruch's 65th birthday*, Amer. Math. Soc., Providence, RI, (1996), 141-157 (in coll. with A. Lopez and R. Miranda).
- (76) The genus of projective curves verifying certain flag conditions, *Boll. Unione Mat. Italiana* (7) 10-B (1966), 701-732 (in coll. with L. Chiantini and V. Di Gennaro).
- (77) G. Albanese, Preface to the Collected Papers, Queen's Papers of Pure and Applied Math. 103 (1996) (in coll. with E. Sernesi).
- (78) Alcuni aspetti della classificazione delle famiglie di curve in uno spazio proiettivo, *Boll. Unione Mat. Italiana* (7) 10-A (1996), 491-535.
- (79) Some remarks on the obstructedness of cones over curves of low genus, (in coll. with A. Lopez and R. Miranda), in "Higher Dimensional Complex Varieties", E Proceedings of the Trento Conference, 1994, De Gruyter, Berlin, (1996), 167-182.
- (80) Enriques e la geometria algebrica italiana 1996, in *Lettera Matematica PRISTEM* 19-20, Dossier 1-22 (in coll. with A. Brigaglia).
- (81) Remarks on the bicanonical map for surfaces of general type, *Math. Z.* 224 (1997), 137-166 (in coll. with P. Francia and M. Mendes Lopes).
- (82) Real abelian varieties and curves, in "Lectures in Real Geometry", W. de Gruyter, Berlin, 1997, 167-256 (in coll. with C. Pedrini).
- (83) Surfaces of general type with $K^2 = 2\chi - 2$ and non trivial torsion, *Geom. Dedicata* 66 (1997), 313-329 (in coll. with M. Mendes Lopes).
- (84) G. Tallini: a few personal memories and Tallini's papers on differential geometry, *Results in Math.* 32 (1997) 241-247.
- (85) La corrispondenza Amaldi-Cartan-Levi Civita, *Lettera Matematica Pristem*, Springer Verlag 23 (1997), 55-59 (in coll. with A. Brigaglia and P. Nastasi).
- (86) The bicanonical map for surfaces of general type, *Proc. Symp. Pure Math.*, 62 (1), (1997) 57-84.
- (87) Attualità dei contributi di Federico Enriques alla geometria algebrica, pre-print 1997.
- (88) Appendix to the paper "Syzygies of abelian and bielliptic surfaces in \mathbb{P}^4 ", by A. Aure, W. Decker, K. Hulek, S. Popescu, K. Ranestadt, *Int. J. of Math.* 7 (1997), 849-919 (in coll. with K. Hulek).
- (89) La geometria algebrica italiana tra le due guerre mondiali, in "La matematica italiana dopo l'unità, Gli anni tra le due guerre mondiali", ed. S. Di Sieno, A. Guerraggio, P. Nastasi, Marcos y Marcos, 1998, 185-320 (in coll. with A. Brigaglia).
- (90) Classification of varieties with canonical curve section via Gaussian maps on canonical curves, *Amer. J. of Math.*, 120 (1998), 1-21 (in coll. with A. Lopez and R. Miranda).
- (91) On the classification of irregular surfaces of general type with non birational bicanonical map, *Transactions in Math.* 350 (1) (1998), 275-808 (in coll. with F. Catanese and M. Mendes Lopes).
- (92) A remark on the geometry of elliptic scrolls and bielliptic surfaces, *Manuscripta Math.*, 95 (1998), 213-224 (in coll. with K. Hulek).
- (93) Degenerations of planar linear systems, *Jurnal für die reine und angewandte Math.*, 501 (1998), 191-220 (in coll. with R. Miranda).

- (94) M. de Franchis and the theory of hyperelliptic surfaces, *Suppl. Rend. Circ. Mat. Palermo (II)* 55 (1998), 45-73.
- (95) Interpolation on curvilinear schemes, *J. of Algebra* 203 (1998), 677-678 (in coll. with R. Miranda).
- (96) *Geometria Algebrica*, translation of the article by I. Shafarevic for the *Enciclopedia Treccani*, *Enciclopedia del Novecento*, vol. X, Suppl. II (1998), 812.
- (97) *Geometria Algebrica*, lo sviluppo delle idee, for *Enciclopedia Treccani*, *Enciclopedia del Novecento*, vol. X, Suppl. II (1998), 797-811.
- (98) Surfaces of minimal degree containing a general projective curve, *Communications in Algebra* 27(3), (1999), 1127-1140 (in coll. with J. Harris).
- (99) A series of smooth irregular varieties in projective space (in coll. with K. Hulek), *Ann. Scuola Norm. Sup. Pisa Cl. Sci. (4)* 28 (1999), 1-24.
- (100) Towards a Halphen theory of linear series on curves, *Transactions of Amer. Math. Soc.* 351 (6) (1999), 2197-2212 (in coll. with L. Chiantini).
- (101) On the Severi varieties of surfaces in \mathbb{P}^3 , *J. of Algebraic Geom.* 8 (1999), 67-83 (in coll. with L. Chiantini).
- (102) On the symmetric product of curves with general moduli, *Geom. Dedicata* 78 (1999), 327-343 (in coll. with A. Kouvidakis).
- (103) Book review: "Moduli of curves" by J. Harris and I. Morrison, *Bull. Amer. Math. Soc.*, 36 (4) (1999), 499-503.
- (104) On the classification of regular surfaces of general type with non birational canonical map and $p_g = 3$, *J. of Math. Kyoto Univ.*, 40 (1) (2000), 79-117 (in coll. with M. Mendes Lopes).
- (105) On the Wahl map of plane nodal curves, in "Complex Analysis and Algebraic Geometry", a volume in memory of Michael Schneider, Th. Peternell and F.O. Schreier ed., W. De Gruyter, (2000), 155-163 (in coll. with A. Lopez and R. Miranda).
- (106) The geometry of algebraic varieties, in *Developments of Mathematics 1950-2000*, J.-P. Pier ed, Birkäuser Verlag, 2000 (pp. 269-312).
- (107) On normal surface singularities and a problem of Enriques, *Comm. in Algebra* 28 (12), 2000, 5891-5914 (a volume in honour of R. Hartshorne) (in coll. with S. Greco).
- (108) On the geometry of canonical curves of odd genus, *Comm. in Alg.* 28 (12), 2000, 5993-6002 (a volume in honour of R. Hartshorne) (in coll. with E. Sernesi).
- (109) Linear systems of plane curves with base points of equal multiplicity, *Transactions of A.M.S.* 352 (2000), 4037-4050 (in coll. with R. Miranda).
- (110) The moduli space of abelian varieties and the singularities of the theta divisor, in "Surveys in Differential Geometry: papers dedicated to Atiyah, Bott, Hirzebruch, Singer", VII, Ed. S.T. Yau, International Press, (2000) 61-82 (in coll. with G. van der Geer).
- (111) Prym varieties and the canonical map of surfaces of general type, *Ann. Scuola Norm. Sup. Pisa, Cl. Sci. (4)* 29 (2000), 905-938 (in coll. with R. Pardini and F. Tovena).
- (112) Geometric aspects of polynomial interpolation in more variables and of Warings problem, *Proceedings of the European Congress of Mathematics, Barcelona, July 10-14, 2000*, Birkhäuser, *Progress in Math.*, 201, vol. 1, 289-316.
- (113) A deformation theory approach to linear systems with general triple points, *Le Matematiche*, 55, 259-270 (2000) (in coll. with R. Miranda).
- (114) On special projections of varieties: epitome to a theorem of Beniamino Segre, *Advances in Geometry*, 1 (2001), 97-106 (in coll. with A. Calabri).
- (115) The Segre and Harbourne-Hirschowitz Conjectures, in "Applications of Algebraic geometry to Coding Theory, Physics and Computation", NATO Science Series, Kluwer Acad. Publish., 2001, 37-52 (in coll. with R. Miranda).
- (116) Pillow degenerations of K3 surfaces, in "Applications of Algebraic geometry to Coding Theory, Physics and Computation", NATO Science Series, Kluwer Acad. Publish., 2001, 53-64 (in coll with R. Miranda and M. Teicher).
- (117) Threefolds with degenerate secant varieties: on a theorem of G. Scorza, *Marcel Dekker L.N.*, 217 (2001), 111-124 (in coll. with L. Chiantini).

- (118) Numeri e codici, Ed. Scuola IaD (Istruzione a Distanza), Università degli Studi di Roma “Tor Vergata”, 2001 (in coll. with W. Baldoni e G.M. Piacentini Cattaneo).
- (119) Weakly defective varieties, Transactions of A.M.S., 354 (2001), 151-178 (in coll. with L. Chiantini).
- (120) Boundedness for codimension two subvarieties, Int. J. of Math., 13 (5), (2002), 479-495 (in coll. with V. Di Gennaro).
- (121) On surfaces with $p_g = q = 2$ and non-birational bicanonical map, Advances in Geometry, 2 (2002), 281-300 (in coll. with M. Mendes Lopes).
- (122) On the number of moduli of extendable canonical curves, Nagoya Math. J., 167 (2002), 101-115 (in coll. with A. Lopez).
- (123) Boundedness for surfaces on smooth fourfolds, J. Pure and Applied Algebra, 173 (2002), 273-279 (in coll. with V. Di Gennaro).
- (124) On surfaces with $p_g = 2, q = 1$ and non-birational bicanonical map, Proceedings of the Conference on Algebraic Geometry in memory of P. Francia, W. De Gruyter, Berlin-New-York, 117-126 (2002) (in coll. with M. Mendes Lopes).
- (125) The Grassmannians of secant varieties of curves are not defective, Indag. Math. 13 (1), 23-28 (2002) (in coll. L. Chiantini).
- (126) Hermite interpolation and linear systems of plane curves with base fat points, proceedings of ASCM03, World Sci. Publ. Co., Singapore, (2003) 87-102 (in coll. with F. Cioffi, R. Miranda, F. Orecchia).
- (127) 3-fold symmetric products of curves as hyperbolic hypersurfaces in \mathbb{P}^4 , Int. J. of Math., 14 (4) (2003), (in coll. with M. Zaidenberg).
- (128) Regular canonical covers, Math. Nachrich., 251 19-27 (2003) (in coll. with R. Pardini and F. Tovena).
- (129) The Italian School of Algebraic Geometry and Abel’s Legacym, in “The legacy of N. H. Abel, The bicentennial”, Oslo, 2002, O. A. Laudal, R. Piene ed., Springer Verlag, 295-348, (2004) (in coll. with A. Brigaglia e C. Pedrini).
- (130) Varieties with one apparent double point, J. Algebraic Geom. 13 (2004), 475-512 (in coll. M. Mella e F. Russo).
- (131) Enriques e Severi: collaborazioni e contrasti, Pubblicazioni del centro Studi Enriques, 4, Atti Convegno “Enriques e Severi, matematici a confronto nella cultura del novecento”, Livorno, 24-25 ottobre 2002, ed. O. Pompeo Faracovi, 29-49.
- (132) On the geometric genus of reducible surfaces and degenerations of surfaces to union of planes, Proceedings of the Fano Conference, Torino 2002, ed. A. Collino, A. Conte, M. Marchisio, (2004) 277-312 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (133) Factoriality of certain hypersurfaces of \mathbb{P}^4 with ordinary double points, in Encyclopedia of Math. Sci., Invariant Theory and Algebraic Transformation Groups III, Algebraic Transformation Groups and Algebraic Varieties, Proc. of the Conf. “Interesting Algebraic Varieties Arising in Algebraic Transformation Group Theory”, Vienna, 22-26/10/2001, Springer Verlag, 2004, 1-8 (in coll. with V. di Gennaro).
- (134) Boundedness for low codimensional subvarieties, in Encyclopedia of Math. Sci., Invariant Theory and Algebraic Transformation Groups III, Algebraic Transformation Groups and Algebraic Varieties, Proc. of the Conf. “Interesting Algebraic Varieties Arising in Algebraic Transformation Group Theory”, Vienna, 22-26/10/2001, Springer Verlag, 2004, 9-14 (in coll. with V. di Gennaro).
- (135) Some remarks on the relations between Italian and American schools of algebraic geometry in the first half of the 20th century, Historia Math., 31 (2004), 310-319 (in coll. with A. Brigaglia).
- (136) Factoriality of certain threefolds complete intersections in \mathbb{P}^5 with ordinary double points, Comm. Alg., 32 (7), (2004) 2705–2710 (in coll. with V. di Gennaro).
- (137) Even sets of four nodes on rational surfaces, Mathematical Research Letters, 11 (2004), 799-808 (in coll. with A. Calabri and M. Mendes Lopes).
- (138) On surfaces with two apparent double points, Adv. In Geom. 5 (2005), 223-235 (in coll. with F. Russo).

- (139) Canonical map of low codimensional varieties, *Journal of Pure Appl. Algebra*, 197, 1-3, (2005), 183-212 (in coll. with V. Beorchia and V. di Gennaro).
- (140) The classification of $(1, k)$ -defective surfaces, *Geom. Dedicata* 111 (2005), 107-123 (in coll. with L. Chiantini).
- (141) On the classification of defective threefolds, in “Projective Varieties with Unexpected Properties”, Proceedings of the Siena Conference, C. Ciliberto, A. V. Geramita, B. Harbourne, R. M. Mirò-Roig, K. Ranestad ed., W. de Gruyter, 2005, 131-176 (in coll. with L. Chiantini).
- (142) Matching Conditions for Degenerating Plane Curves and Applications, in “Projective Varieties with Unexpected Properties”, Proceedings of the Siena Conference, C. Ciliberto, A. V. Geramita, B. Harbourne, R. M. Mirò-Roig, K. Ranestad ed., W. de Gruyter, 2005, 177-198 (in coll. with R. Miranda).
- (143) Sistemi lineari di curve su una superficie e varietà di spazi secanti, *Atti del convegno in occasione del centenario della morte di L. Cremona*, Istituto Lombardo, Accademia di Scienze, Lettere ed Arti, Incontro di Studio n. 36, 2006, 71-98.
- (144) Varieties with minimal secant degree and linear systems of maximal dimension on surfaces, *Advances in Math.*, 200 (1), (2006), 1-50 (in coll. with F. Russo).
- (145) La figura e l’opera di Alfredo Franchetta, introduction to the *Collected Papers of Alfredo Franchetta*, Accademia Pontaniana, 2006.
- (146) On the concept of k -secant order of a variety, *J. London Math. Soc.* (2) 73 (2006), 436-454 (in coll. with L. Chiantini).
- (147) *Aritmetica, crittografia e codici*, Springer-Verlag Italia, 2006 (in coll. with M. W. Baldoni and G.M. Piacentini Cattaneo).
- (148) La scuola di geometria algebrica italiana, articolo per l’*Enciclopedia Italiana*, sez. Storia della Scienza, vol. VIII, La seconda rivoluzione scientifica, 2006 (in coll. with A. Conte).
- (149) Uno sguardo alla crittografia quantistica, *Lettera Matematica PRISTEM*, 59 (2006), 22-34, (in coll. with M. W. Baldoni and G. M. Piacentini Cattaneo).
- (150) Degenerations of scrolls to unions of planes, *Rend. Accad. Lincei, Mat. Appl.* 17 (2006), 95-123, a volume in honour of G. Zappa, (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (151) Nagata’s conjecture for a square number of points, *Ricerche di Matematica*, 55 (2006), 71-78, (in coll. with R. Miranda).
- (152) Surfaces with $K^2 < 3\chi$ and finite fundamental group, *Math. Res. Lett.* 13 (2006), 10001-10018 (in coll. with M. Mendes Lopes and R. Pardini).
- (153) On the classification of numerically Godeaux surfaces with an involution, *Transactions Amer. Math. Soc.*, 359 (2007) 1605-1632 (in coll. with A. Calabri and M. Mendes Lopes).
- (154) L’autonomia dell’Università da Cremona ad oggi, *Lettera Matematica Pristem*, 61 (2007), 30-37 (in coll. with C. Pedrini).
- (155) On the geometric genus of reducible surfaces and degenerations of surfaces, *Annales Inst. Fourier*, 57 (2) (2007), 491-516 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (156) On the birationality of the bicanonical map of a surface section of a threefold, *Communications in Algebra*, 35 (2007), 1627-1650 (in coll. with M. Beltrametti, A. Lanteri, A. Sommese).
- (157) On the K^2 of degenerations of surfaces and the multiple point formula, *Annals of Math.* 165 (2007), 335-395 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (158) L’impronta di Eulero sulla teoria delle funzioni ellittiche, *Lettera Matematica Pristem*, 66-67, (2008), 53-60.
- (159) Interview to Professor Ciro Ciliberto on: Le origini della scuola italiana di geometria algebrica contesto europeo (by Paolo Bussotti), in “Federigo Enriques e la cultura europea”, *Pubblicazioni Centro Studi Enriques*, 7, Agorà, 2008, 9-26.
- (160) Non-special scrolls with general moduli, *Rend. Circ. Mat. Palermo*, 57 (2008), 1-31 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (161) Homaloidal hypersurfaces and hypersurfaces with vanishing Hessian, *Advances in Math.*, 218 (2008), 1759-1805 (in coll. with F. Russo and A. Simis).
- (162) *Scienza, morale e fede*, *Lettera Matematica Pristem*, 68 (2008), 4-10.

- (163) Andreotti–Mayer Loci and the Schottky Problem, *Documenta Math.* 13 (2008) 453–504 (in coll. with G. van der Geer).
- (164) On Grassmann secant extremal varieties, *Advances in Geometry.* 8 (2008), 377–386 (in coll. with F. Cools).
- (165) Elementary number theory, cryptography and codes, Universitext, Springer Verlag, Berlin–Heidelberg, 2009 (in coll. with M. W. Baldoni and G. M. Piacentini Cattaneo).
- (166) Applicazioni della geometria algebrica alla biologia, *Lettera Matematica Pristem* 70–71 (2009), 4–19 (in coll. with E. Rogora).
- (167) Brill–Noether theory and non-special scrolls, *Geom. Dedicata* 139 (2009), 121–138 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (168) BMF and π_1 for a non-prime K3 surface branch curve, *Israel Journal of Mathematics*, 170, 1 (2009), 61–93 (in coll. with A. Meirav, R. Miranda, M. Teicher).
- (169) Degenerations of the Veronese and Applications, Proceedings of the Conference “Linear systems and subschemes”, Gent 2007, *Bull. Belg. Math. Soc. Simon Stevin* 16 (2009), 771–798 (in coll. with O. Dumitrescu and R. Miranda).
- (170) Special scrolls whose base curve has general moduli, in “Interactions of Classical and Numerical Algebraic Geometry” in honour of A. Sommese, D. Bates, G. M. Besana, S. Di Rocco, C. W. Wampler (Ed.), *Contemporary Mathematics*, 496, (2009), 133–155 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (171) Federico Gaeta and his Italian heritage, in “Liaison, Shottky Problem and Invariant Theory”, M. E. Alonso, E. Arrondo, R. Mallavibarrena, I. Sols (Ed.), *Progress in Mathematics*, 280, Birkhäuser Verlag, Basel, 9–33, 2010.
- (172) Projective geometry related to the singularities of theta divisors of jacobians, *Boll. Unione Mat. Italiana* (9) III (2010), 93–109 (in coll. with E. Sernesi).
- (173) La matematica dell’evoluzione e l’evoluzione della matematica, on the web site “La scienza in rete”, <http://www.lascienzainrete.it/node/2041>, march 2010 (in coll. with E. Rogora).
- (174) Un mondo di idee (ed. C. Ciliberto, R. Lucchetti), Springer Italia, 2010.
- (175) Applicazioni della matematica alla filogenetica (in coll. with E. Rogora), in “Un mondo di idee” (ed. C. Ciliberto, R. Lucchetti), Springer Italia, 2010, 201–229.
- (176) On the dimension of secant varieties, *Journal of the European Math. Soc.*, 12(5) (2010), 1267–1291 (in coll. with L. Chiantini).
- (177) On the classification of OADP varieties (in coll. with F. Russo), *Science Cina Mathematics*, 54(8), (2010), 1561–1575, DOI: 10.1007/s11425-010-4164-7.
- (178) Birational classification of curves on rational surfaces (in coll. with A. Calabri), *Nagoya Math. J.*, 199, (2010), 43–93 DOI: 10.1215/00277630-2010-003.
- (179) Emptiness of homogeneous linear systems with ten general base points, in Proceedings of the Workshop “Classification of Algebraic Varieties”, Schiermonnikoog, Holland. 2009, *European Math. Soc., Series of Congress Report*, C. Faber, G. van der Geer, E. Looijenga Ed., Zürich, 2011, 189–196 (in coll. with O. Dumitrescu, R. Miranda, J. Roé).
- (180) On the branch curve of a general projections of a surface to a plane, *Transactions AMS* 363(7) (2011), 3457–3471, and arXiv:0811.0467 (in coll. with F. Flamini).
- (181) On a theorem of Castelnuovo and applications to moduli, *Kyoto J. Math.*, 51 (3), (2011), 633–645 (in coll. with A. Castorea),
- (182) Homogeneous interpolation on ten points, *J. Alg. Geom*, 20 (2011) 685–726 (in coll. with R. Miranda).
- (183) The rank of the 2nd Gaussian map for general curves, *Michigan J. Math.*, *Michigan Math. J.* 60 (2011), 545–559 (in coll. with A. Calabri and R. Miranda).
- (184) On Plücker–Clebsch formula in higher dimensions, Proceedings of the PASI Conference “Commutative algebra and its connections to geometry”, Olinda, Brasil, 2010, in *Contemporary Mathematics*, vol. 555, American Mathematical Society, Providence (RI), (2011) 35–45. (in coll. with V. Di Gennaro).
- (185) k -gonal nodal curves on K3 surfaces, *Mathematisches Forschungsinstitut Oberwolfach Reports*, *Complex Algebraic Geometry*, Report No. 47/2011, 12, (2011), DOI: 10.4171/OWR/2011/47.

- (186) On universal Severi varieties of low genus $K3$ surfaces, *Mathematische Zeitschrift*, **271**, Issue 3-4, 2012, 953–960 (in coll. with Th. Dedieu).
- (187) Enrico Bompiani: The years in Bologna, in “Mathematicians in Bologna 1861–1960”, Coen S. (ed.), Basel, Springer, 2012, 143–178. (in coll. con E. Sallent Del Colombo).
- (188) Federigo Enriques: “The first Years in Bologna”, in “Mathematicians in Bologna 1861–1960”, Coen S. (ed.), Basel, Springer, 2012, 105–142 (in coll. con P. Gario).
- (189) Un nuovo assetto per l’Istituto Nazionale di Alta Matematica, *Lettera Matematica Pristem* **79** (2012), 6–10.
- (190) Pasquale del Pezzo, Duke of Caianello, Neapolitan mathematician, *Arch. Hist. Exact Sci.*, (2012), DOI 10.1007/s00407-012-0110-0 (in coll. with Emma Sallent Del Colombo).
- (191) Brill–Noether loci of stable rank–two vector bundles on a general curve, in “Geometry and Arithmetic”, ed. C. Faber, G. Farkas, R. de Jong, EMS Series of Congress Reports, 2012, 61–74. (in coll. with F. Flamini).
- (192) Poincaré e la geometria algebrica, *Lettera Matematica Pristem*, 84–85 (2013), 31–41 (engl. version. Henri Poincaré and Algebraic Geometry, DOI: 10.1007/s40329-013-0003-3).
- (193) Abelian varieties in Brill–Noether loci and irregular surfaces, Oberwolfach Reports, “Complex Algebraic Geometry, 26 May – 1 June 2013, Fabrizio Catanese, Christopher Hacon, Yujiro Kawamata, Bernd Siebert, ed., 2013, Report No. 27/2013 DOI: 10.4171/OWR/2013/27, pp. 15–18 (in coll. with Margarida Mendes Lopes and Rita Pardini).
- (194) I corsi di geometria superiore in Italia, *Lettera Matematica Pristem*, 87 (2013), 19–20 (in coll. con C. Fontanari); edizione inglese “Corrado Segre and the courses of higher geometry in Italy” in *Lettera Matematica Pristem, International Edition*, 1 (4), (2014), 177–178, DOI: 10.1007/s40329-014-0030-8.
- (195) Variations on Nagata’s Conjecture, in “A Celebration of Algebraic Geometry, A conference in Honor of Joe Harris’ 60th Birthday, Harvard University, Cambridge, MA, August 25–28, 2011”, B. Hassett, J. McKernan, J. Starr, R. Vakil Ed., Clay Mathematics Proceedings, Vol. 18 (2103), 185–204, (also on arXiv:1202.0475), (in coll. with B. Harbourne, R. Miranda, and J. Roé).
- (196) “Città della Scienza” in Naples Burned in a Fire, *European Mathematical Society, Newsletter No. 88*, June 2013, p. 12.
- (197) Archimede, *bollettino Poste Italiane, Filatelia*, Roma 19/10/2013.
- (198) Scrolls and hyperbolicity, *Int. J. of Math.* **24**, 4 (2013), DOI 10.1142/S0129167X13500262, 25 pages (in coll. with M. Zaidenberg)
- (199) A. Calabri, C. Ciliberto, On Cremona contractibility, *Rend. Sem. Mat. Univ. Pol. Torino* 71 (2013), 389–400.
- (200) Abelian varieties in Brill–Noether loci, *Advances in Mathematics* **257**, 2014, 349–364 (in coll. con Margarida Mendes Lopes and Rita Pardini), <http://arxiv.org/abs/1307.4771>.
- (201) On k -gonal loci in Severi varieties on general $K3$ surfaces and rational curves on hyperkähler manifolds, *J. Math. Pures Appl.* 101 (2014) 473–494, arXiv: arXiv:1202.2701 and arXiv:1204.4838, 2012 (in coll. with A. Knutsen).
- (202) Carlo Pucci: alcune riflessioni, in “Carlo Pucci tra scienza e impegno civile”, a cura di A. Figà Talamanca e L. Pepe, *Unione Matematica Italiana*, 2014 (pp. 129–132).
- (203) Congresso Internazionale dei Matematici: non solo Mirzakhani, *Scienza in Rete*, 21 Agosto, 2014.
- (204) Corrigendum to: Andreotti–Mayer Loci and the Schottky Problem, *Documenta Mathematica*, **19** (2014), 993–1001 (in coll. con Gerard van der Geer).
- (205) Editorial (in coll. con G. Dal Maso, P. Vetro), *Rend. Circ. Mat. Palermo*, DOI 10.1007/s12215-014-0172-8.
- (206) Alcune riflessioni su Emma Castelnuovo, in “La via della matematica” in occasione del Premio Nesi 2013 a Emma Castelnuovo, *Quaderni di Corea, Fondazione Nesi*, 2014, 53–59.
- (207) Limits of pluri–tangent planes to quartic surfaces, in “Algebraic and Complex Geometry”, Springer Proceedings in Math. & Statistics, Vol. 71, 2014, pp. 123–200 (in coll. con Th. Dedieu).
- (208) La matematica italiana, in *Matematici alla scoperta del futuro, Mateinitaly, Scopri la matematica nel mondo*, Catalogo della mostra Matemilano, Egea, 2014 (pp. 213–219).
- (209) The classification of minimal irregular surfaces of general type with $K^2 = 2p_g$, *Algebraic Geometry* 1 (4) (2014), 479–488 (in coll. with M. Mendes Lopes, R. Pardini)

- (210) Genera of curves on a very general surface in \mathbb{P}^3 (in coll. con Flaminio Flamini, Mikhail Zaidenberg), *International Mathematics Research Notices*, 2015 (22)(2015) 12177-12205.
- (211) On Schoen surfaces (in coll. with Margarida Mendes Lopes, Xavier Roulleau), *Commentarii Mathematici Helvetici*, **90** (2015), 59-74; arXiv:1303.1750.
- (212) Sulle curve piane contratte da trasformazioni di Cremona, XIX Congresso U.M.I., Bologna, 1217 settembre 2011, pubblicazione on line, p. 891 (in coll. with A. Calabri).
- (213) Rigate ed iperbolicità, Atti XIX Congresso U.M.I., Bologna, 1217 settembre 2011, UMI, pubblicazione on line, p. 895.
- (214) Curve algebriche piane e sghembe, Corso del prof. G. Castelnuovo (with C. Fontanari), UMI, 2015.
- (215) Un mondo mirabile e fascinoso fatto di algoritmi ed equazioni, *L'Unità*, 10/9/2015, p. 19 (in coll. with R. Natalini).
- (216) Gian Battista Guccia e il Circolo Matematico di Palermo, *Lettera Matematica Pristem*, **94**, 33-44, 2015 (in coll. with Emma Sallent Del Colombo).
- (217) Nodal curves on K3 surfaces: state of the art and open problems, in *Mathematisches Forschungsinstitut Oberwolfach, Mini-Workshop: Singular Curves on K3 Surfaces and Hyperkaehler Manifolds Organised by C. Galati, A. L. Knutsen, A. Sarti*, Report No. 51/2015, DOI: 10.4171/OWR/2015/51 (in coll con F. Flamini).
- (218) Extensions of line bundles and Brill–Noether loci of rank-two vector bundles on a general curve, *Revue Roumaine de mathématiques pures et appliquées*, **60**, 201–255, ISSN: 0035-3965 (in coll. con Flaminio Flamini).
- (219) Perché questo volume, presentazione al volume della rivista “La Matematica nella Società e nella Cultura” dedicato a B. de Finetti, *La Matematica nella Società e nella Cultura, Rivista dell’Unione Matematica Italiana*, VIII(I), (2015), 1–3.
- (220) April 2016–Mathematics Awareness Month, to appear on *Notices of AMS*, **63** (4) 2016, 2.
- (221) On finiteness of curves with high canonical degree on a surface, *Geometriae Dedicata*, **183** 1, 33-42, (2016), (in coll with X. Roulleau), DOI 10.1007/s10711-016-0142-8.
- (222) A note on deformations of regular embeddings, *Rendiconti Circolo Matematico Palermo*, DOI: 10.1007/s12215-016-0276-4 (2016), (in coll. con Flaminio Flamini, Concettina Galati, Andreas Leopold).
- (223) La matematica tra astrazione e concretezza, tra intuizione e rigore, in “La matematica e la sua didattica, Convegno del Trentennale”, a cura di B. D’amore e S. Sbaragli, Pitagora Ed., Bologna, 2016.
- (224) A few questions about curves on surfaces, *Rend. Circ. Mat. Palermo, II. Ser 2*, DOI 10.1007/s12215-016-0284-4, math arXiv:1511.06618, (in coll con A. L. Knutsen, J. Lesieutre, V. Lozovanu, R. Miranda, Y. Mustopa, D. Testa).
- (225) Newton-Okounkov bodies sprouting on the valuative tree, *Rendiconti del Circolo Matematico di Palermo Series 2*, (), 1-34 DOI 10.1007/s12215-016-0285-3, math arXiv:1602.02074 (in coll. with M. Farnik, A. Küronya, V. Lozovanu, J. Roé and C. Shramov).
- (226) Moduli of nodal curves on K3 surfaces, *Advances in Mathematics* **309** (2017), 624–654 (in coll. con Flaminio Flamini, Concettina Galati, Andreas Leopold), math arXiv:1502.07378.
- (227) On degenerations of surfaces, arXiv:math/0310009 (in coll. with A. Calabri, F. Flamini, R. Miranda).
- (228) Alcuni riflessioni su J.L. Lagrange, to appear on *Atti Accademia. Delle Scienze di Torino*.
- (229) Cremona linearizations of some classical varieties (in coll. con Maria Angelica Cueto, Massimiliano Mella, Kristian Ranestad, Piotr Zwiernik), math arXiv:1403.1814
- (230) On Cremona contractibility of unions of lines in the plane, (in coll. con A. Calabri), math arXiv:1503.05850, accepted for publication on *Kyoto Journal of Mathematics*.
- (231) Errata corrige to “On k -gonal loci in Severi varieties on general K3 surfaces and rational curves on hyperkaehler manifolds”, (in coll. con A. Knutsen).
- (232) Degenerations of differentials and moduli of nodal curves on K3 surfaces, (in coll. con Flaminio Flamini, Concettina Galati, Andreas Leopold), mat arXiv:1701.07224.
- (233) Gaps for geometric genera, math arXiv:1601.07082, to appear on *Archiv der Mathematik* (in coll. with F. Flamini and M. Zaidenberg).
- (234) Contractible curves on a rational surface, (in coll. con A. Calabri), arXiv:1611.02949, 2016

- (235) A note on gonality of curves on general hypersurfaces, (in coll. con F. Bastianelli, F. Flamini, P. Supino), pre-print 2016.