

## Juan Migliore's List of Publications

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### Books

1. [MR1301773](#) J. Migliore. "An Introduction to Deficiency Modules and Liaison Theory for Subschemes of Projective Space." Monograph, 146 + v pages. Volume 24 of Lecture Notes Series, Global Analysis Research Center, Seoul National University, 1994.
2. [MR1712469](#) J. Migliore. "Introduction to Liaison Theory and Deficiency Modules." Birkhäuser, Progress in Mathematics 165, 1998; 224 pp. Hardcover, ISBN 0-8176-4027-4.
3. [MR2389249](#) A. Corso, J. Migliore and C. Polini (editors), "Algebra, Geometry and their Interactions," Contemporary Math. vol. 448 (2007), ISBN-10: 0-8218-4094-0, ISBN-13: 978-0-8218-4094-8. Articles

### Papers

#### 1986

1. [MR0837562](#) J. Migliore, *Geometric Invariants for Liaison of Space Curves*, J. Algebra 99 (1986), 548–572.
2. [MR0819941](#) J. Migliore, *On Linking Double Lines*, Trans. Amer. Math. Soc. 294 (1986), 177–185.
3. [MR0922917](#) J. Migliore, *Buchsbaum Curves in  $\mathbb{P}^3$* , in: Proceedings of the Conference on Algebraic Geometry, East Berlin (1985), Teubner-Texte zur Mathematik, 1986.
4. [MR0883977](#) J. Migliore, *Examples in Liaison*, in: The Curves Seminar at Queen's, vol. IV, Queen's Papers in Pure and Applied Mathematics, 1986.

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5. [MR0910658](#) J. Migliore, *Liaison of a Union of Skew Lines in  $\mathbb{P}^3$* , Pacific J. of Math. 130 (1987), 153–170.
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9. [MR1001472](#) A.V. Geramita and J. Migliore, *Generators for the Ideal of an Arithmetically Buchsbaum Curve*, J. Pure Appl. Algebra 58 (1989), 147–167.
10. [MR0968882](#) G. Bolondi and J. Migliore, *The Structure of an Even Liaison Class*, Trans. Amer. Math. Soc. 316 (1989), 1–37.
11. [MR1030613](#) A.V. Geramita and J. Migliore, *Hyperplane Sections of a Smooth Curve in  $\mathbb{P}^3$* , Comm. Algebra 17 (1989), 3129–3164.
12. [MR1023387](#) G. Bolondi and J. Migliore, *Configurations of Linear Projective Subvarieties*, in: "Algebraic Curves and Projective Geometry, Proceedings (Trento, 1988), Lecture Notes in Mathematics, vol. 1389, Springer-Verlag (1989), 19–31.

13. [MR1049585](#) G. Bolondi and J. Migliore, *The Lazarsfeld-Rao Problem for Buchsbaum Curves*, Rend. Sem. Mat. Univ. Padova 82 (1989), 67–97.
14. [MR1036033](#) J. Migliore, *Even Liaison*, in: The Curves Seminar at Queen’s, vol. VI, Queen’s Papers in Pure and Applied Mathematics, 1989.

**1990**

15. [MR1074235](#) J. Migliore and R. Miró-Roig, *On  $k$ -Buchsbaum Curves in  $\mathbb{P}^3$* , Comm. Algebra 18 (8) (1990), 2403-2422.
16. [MR1063348](#) E. Ballico and J. Migliore, *Smooth Curves Whose Hyperplane Section is a given set of points*, Comm. in Algebra 18(9) (1990), 3015-3040.

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17. [MR1087803](#) E. Ballico, G. Bolondi, and J. Migliore, *The Lazarsfeld-Rao problem for liaison classes of two-codimensional subschemes of  $\mathbb{P}^n$* , Amer. J. of Math. 113 (1991), 117-128.

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18. [MR1208646](#) G. Bolondi and J. Migliore, *The Lazarsfeld-Rao property on an arithmetically Gorenstein variety*, Manuscripta Math. 78 (Fasc. 4) (1993), 347–368.
19. [MR1220272](#) G. Bolondi and J. Migliore, *On curves with natural cohomology and their deficiency modules*, Annales de l’Institut Fourier 43 (no. 2) (1993), 325–357.
20. [MR1241777](#) J. Migliore, *Submodules of the deficiency module*, J. London Math. Soc., 48 (no. 3) (1993), 396–414.

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21. [MR1257311](#) A.V. Geramita and J. Migliore, *A generalized liaison addition*, J. Algebra, 163 (1994), 139–164.
22. [MR1276086](#) J. Migliore. Two lectures in the Curves Seminar at Queen’s. In: The Curves Seminar Proceedings: 1992-1993, volume IX of Queen’s Papers in Pure and Applied Mathematics (1994).
23. [MR1292491](#) J. Migliore, *Hypersurface sections of curves*, in: Proceedings of the International Conference on Zero-Dimensional Schemes, Ravello 1992, De Gruyter (1994), 269–282.
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54. [MR2292384](#) A.V. Geramita, T. Harima, J. Migliore and Y. Shin, “The Hilbert function of a level algebra,” Memoirs of the Amer. Math. Soc. Vol. 186, 2007; 139 pp. Softcover, ISBN-10: 0-8218-3940-3, ISBN-13: 978-0-8218-3940-9.
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- 60. [MR2398755](#) J. Migliore, *The geometry of the Weak Lefschetz Property and level sets of points*, Canad. J. Math. 60 (2008), 391–411.
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93. [MR3867298](#) D. Cook II, B. Harbourne, J. Migliore and U. Nagel, *Line arrangements and configurations of points with an unexpected geometric property*, Compositio Mathematica 154 (2018), no. 10, 2150–2194.

## 2019

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## 2020

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## 2021

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100. [MR4223027](#), [arxiv:1904.02047](#) L. Chiantini and J. Migliore, *Sets of points which project to complete intersections, and unexpected cones*, Trans. Amer. Math. Soc. **374** (2021), 2581–2607.
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**2022**

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**2025**

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**Accepted for publication**

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### Preprints submitted for publication

117. L. Chiantini, L. Farnik, G. Favacchio, B. Harbourne, J. Migliore, T. Szemberg and J. Szpond, *Configurations of points in projective space and their projections*, preprint 2022, [arXiv:2209.04820](https://arxiv.org/abs/2209.04820).
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119. M. Boij, J. Migliore, R. Miró-Roig and U. Nagel, *The weak Lefschetz property for artinian Gorenstein algebras of small Sperner number*, preprint 2024, [arxiv:2406.17943](https://arxiv.org/abs/2406.17943).
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