

Elenco delle pubblicazioni scientifiche di Alberto Facchini

- (1) A. Facchini, Reflexive rings, *Symposia Math.* 23 (1979), 415-449.
- (2) A. Facchini, On the rings of quotients of a Noetherian commutative ring with respect to the Dickson topology, *Rend. Sem. Mat. Univ. Padova* 62 (1980), 233-243.
- (3) A. Facchini, Rings whose finitely generated torsion modules in the sense of Dickson decompose into direct sums of cyclic submodules, *Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Natur.* (8) 68 (1980), 13-21.
- (4) A. Facchini, Loewy and Artinian modules over commutative rings, *Ann. Mat. Pura e Appl.* 128 (1980), 359-374.
- (5) A. Facchini, Fiber products and Morita duality for commutative rings, *Rend. Sem. Mat. Univ. Padova* 67 (1981), 143-159.
- (6) A. Facchini, Commutative rings whose finitely embedded modules have injective dimension ≤ 1 , *J. Algebra* 77 (1982), 467-483.
- (7) A. Facchini, On the structure of torch rings, *Rocky Mountain J. Math.* 13 (1983), 423-428.
- (8) A. Facchini, Spectral categories and varieties of preadditive categories, *J. Pure Appl. Algebra* 29 (1983), 219-239.
- (9) A. Facchini, Varieties of preadditive categories and their application to the study of the structure of spectral categories, *Proc. of the International Conference on Math. in the Gulf Area, Riyadh (Saudi Arabia), 17-21 October 1982*, pp.171-181.
- (10) A. Facchini, Lattice of submodules and isomorphism of subquotients, in "Abelian Groups and Modules", R. Göbel, C. Metelli, A. Orsatti and L. Salce Eds., *CISM Courses and Lectures 287*, Springer-Verlag, Wien-New York (1984), 491-501.

- (11)A. Facchini and P. Vámos, Injective modules over pull-backs, *J. London Math. Soc.* (2) 31 (1985) 425-438.
- (12)A. Facchini, Decompositions of algebraically compact modules, *Pacific J. Math.* 116 (1985) 25-37.
- (13)A. Facchini, Non-fissile rings with mixed additive group, *Acta Math. Hung.* 46 (1985), 71.
- (14)A. Facchini, Maximal immediate extension of a fibre product of valuation domains, *Arch. Math.* (Basel) 45 (1985), 528-533.
- (15)A. Facchini, Torsion-free covers and pure-injective envelopes over valuation domains, *Israel J. Math.* 52 (1985), 129-139.
- (16)A. Facchini, Algebraically compact modules, *Acta Univ. Carolinae* 26 (1986), 27-37.
- (17)A. Facchini and P. Zanardo, Discrete valuation domains and ranks of their maximal extensions, *Rend. Sem. Mat. Univ. Padova* 75 (1986), 144-156.
- (18)A. Facchini, *Algebra per informatica*, Decibel Editrice, Padova, 1986.
- (19)A. Facchini, Relative injectivity and pure-injective modules over Prüfer rings, *J. Algebra* 110 (1987), 380-406.
- (20)A. Facchini, A tilting module over commutative integral domains, *Comm. Algebra* 15(11) (1987), 2235-2250.
- (21)A. Facchini, Divisible modules over integral domains, *Ark. Mat.* 26 (1988), 67-85.
- (22)A. Facchini, Pure-injective envelope of a commutative ring and localizations, *Quart. J. Math. Oxford* (2) 39 (1988), 307-321.
- (23)A. Facchini, Considerazioni a margine di una indagine sui libri di testo di matematica per le scuole secondarie superiori, *Atti del XII Convegno Nazionale sull'Insegnamento della Matematica*, *Notiziario dell'Unione Matematica Italiana* 16 (suppl. al n. 7) (1989), pp.17-29.

- (24) A. Facchini, Simple divisible modules over integral domains, *Canad. Math. Bull.* 32 (1989), 230-240.
- (25) A. Facchini, Divisible modules and space of divisibility of an integral domain, *Ann. Mat. Pura Appl.* 155 (1989), 389-399.
- (26) G. Azumaya and A. Facchini, Rings of pure global dimension zero and Mittag-Leffler modules, *J. Pure Appl. Algebra* 62 (1989) 109-122.
- (27) A. Facchini, Anelli di tipo di rappresentazione finita, di dimensione pura globale zero, e moduli di Mittag-Leffler, *Rend. Sem. Mat. Fis. Milano* 59 (1989), 65-80.
- (28) A. Facchini and L. Salce, Uniserial modules: sums and isomorphisms of subquotients, *Comm. Algebra* 18(2) (1990), 499-517.
- (29) A. Facchini, Rings of finite representation type, of pure global dimension zero, and Mittag-Leffler modules, *Atti del convegno su "Alcuni aspetti della teoria degli anelli commutativi, Roma, 26-27 May 1989, Centro Stampa dell'Università degli Studi di Roma "La Sapienza", 1990, pp. 17-30.*
- (30) A. Facchini, Mittag-Leffler modules, reduced products and direct products, *Rend. Sem. Mat. Univ. Padova* 85 (1991), 119-132.
- (31) A. Facchini, On the Cartan matrix of a left artinian ring, *Boll. Un. Mat. It.* 6 (1992), 299-316.
- (32) A. Facchini, *Sussidiario di algebra e matematica discreta*, Decibel-Zanichelli, Padova, 1992.
- (33) A. Facchini, Absolutely pure modules and locally injective modules, in "Commutative ring theory", P.-J. Cahen, D. L. Costa, M. Fontana ed S.-E. Kabbaj Eds., *Lecture Notes in Pure and Appl. Math.* 153, Marcel Dekker, New York, 1993, pp. 105-109.
- (34) A. Facchini, Generalized Dedekind domains and their injective modules, *J. Pure Appl. Algebra* 94 (1994), 159-173.
- (35) R. Camps and A. Facchini, The Prüfer rings that are endomorphism rings of artinian modules, *Comm. Algebra* 22(8) (1994), 3133-3157.

- (36) R. Camps and A. Facchini, Chain rings and serial rings that are endomorphism rings of artinian modules, Rapporto di ricerca UDMI/13/94/RR, Dipartimento di Matematica e Informatica, Università di Udine, Udine, 1994.
- (37) C. Busqué and A. Facchini, Projective rank functions compatible with pure-injective envelopes, *Comm. Algebra* 23(5) (1995), 1847-1866.
- (38) A. Facchini, D. Herbera, L. S. Levy and P. Vámos, Krull-Schmidt Fails for Artinian Modules, *Proc. Amer. Math. Soc.* 123 (1995), 3587-3592.
- (39) A. Facchini and G. Puninski, Σ -pure-injective modules over serial rings, in "Abelian Groups and Modules", A. Facchini and C. Menini Eds., Kluwer Academic Publishers, Dordrecht, 1995, pp. 145-162.
- (40) A. Facchini and C. Menini Eds., *Abelian Groups and Modules*, Kluwer Academic Publishers, Dordrecht, 1995.
- (41) C. Busqué and A. Facchini, Abelian categories in which linear algebra is possible, *Linear and Multilinear Algebra* 41 (1996), 137-156.
- (42) R. Camps, A. Facchini and G. Puninski, Serial rings that are endomorphism rings of artinian modules, in "Rings and radicals", B. J. Gardner, Liu Shaoxue and R. Wiegandt Eds., Pitman Research Notes in Math. Series, Longman, 1996.
- (43) U. Albrecht and A. Facchini, Mittag-Leffler modules and semi-hereditary rings, *Rend. Sem. Mat. Univ. Padova* 95 (1996), 175-188.
- (44) A. Facchini, Krull-Schmidt fails for serial modules, *Trans. Amer. Math. Soc.* 348 (1996), 4561-4575.
- (45) A. Facchini and G. Puninski, Classical localizations in serial rings, *Comm. Algebra* 24 (11) (1996), 3537-3559.
- (46) A. Facchini and C. Faith, FP-injective quotient rings and elementary divisor rings, in "Commutative ring theory", P.-J. Cahen, M. Fontana, E. Houston and S.-E. Kabbaj Eds., Lecture Notes in Pure and Appl. Math. 185, Marcel Dekker, New York, 1997, pp. 293-302.

- (47) N. V. Dung and A. Facchini, Weak Krull-Schmidt for infinite direct sums of uniserial modules, *J. Algebra* 193 (1997), 102-121.
- (48) N. V. Dung and A. Facchini, Direct summands of serial modules, *J. Pure Appl. Algebra* 133 (1998), 93-106.
- (49) A. Facchini, "Module Theory. Endomorphism rings and direct sum decompositions in some classes of modules", *Progress in Mathematics* 167, Birkhäuser Verlag, Basel, 1998.
- (50) A. Facchini and D. Herbera, K_0 of a semilocal ring, *J. Algebra* 225 (2000), 47-69.
- (51) A. Facchini and D. Herbera, Projective modules over semilocal rings, in "Algebra and its Applications", D. V. Huynh, S. K. Jain, S. R. López-Permouth Eds., *Contemporary Math.* 259, Amer. Math. Soc., Providence, 2000, pp. 181-198.
- (52) A. Facchini, Failure of the Krull-Schmidt theorem for Artinian Modules and Serial Modules, in "Infinite Length Modules", H. Krause and C. M. Ringel Eds., *Trends in Math.*, Birkhäuser Verlag, Basel, 2000, pp. 89-99.
- (53) A. Facchini, *Algebra e Matematica Discreta*, Decibel-Zanichelli, 2000, 457 pagine.
- (54) A. Facchini and D. Khurana, Continuous Directly Finite Modules and Stable Range One, preprint, 2000.
- (55) A. Facchini and F. Barioli, Problems and Solutions, Problem 10784, *Amer. Math. Monthly* 107 (2000), no. 2, 176, and 109 (2002), no. 7, 665-666. Contributed items.
- (56) A. Facchini, Weak Krull-Schmidt Theorem for Serial Modules and Biuniform Modules, in "Algebra and its application", S. T. Rizvi, M. A. Quadri and M. Ashraf Eds., Narosa Publishing Company, New Delhi, 2001, pp. 73-87.
- (57) C. Corisello and A. Facchini, Homogeneous Semilocal Rings, *Comm. Algebra* 29 (4) (2001), 1807-1819.

- (58) F. Barioli, A. Facchini, F. Raggi and J. Ríos, Krull-Schmidt Theorem and Homogeneous Semilocal Rings, *Comm. Algebra* 29 (4) (2001), 1649-1658.
- (59) A. Facchini, Krull-Schmidt Theorem and Semilocal Endomorphism Rings, in "Ring Theory and Algebraic Geometry", Á. Granja, J. Á. Hermida and A. Verschoren Eds., *Lecture Notes in Pure and Appl. Math.* 221, Marcel Dekker Inc., New York, 2001, pp. 187-201.
- (60) L. Diracca and A. Facchini, Uniqueness of monogeny classes for uniform objects in abelian categories, *J. Pure Appl. Algebra* 172 (2002), 183-191.
- (61) A. Facchini, Direct sum decompositions of modules, semilocal endomorphism rings, and Krull monoids, *J. Algebra* 256 (1) (2002), 280-307.
- (62) A. Facchini and D. Herbera, Modules with only finitely many direct sum decompositions up to isomorphism, *Irish Math. Soc. Bull.* 50 (2003), 51-69.
- (63) A. Facchini, The Krull-Schmidt Theorem, in "Handbook of Algebra, Vol. 3", M. Hazewinkel Ed., Elsevier, Amsterdam, 2003, pp. 357-397.
- (64) A. Facchini, D. Herbera and I. Sakhajev, Finitely Generated Flat Modules and a Characterization of Semiperfect Rings, *Comm. Algebra* 31 (9) (2003), 4195-4214.
- (65) A. Facchini and F. Halter-Koch, Projective modules and divisor homomorphisms, *J. Algebra Appl.* 2 (4) (2003), 435-449.
- (66) L. Diracca and A. Facchini, Descending Chains of Modules and Jordan-Hölder Theorem, *Semigroup Forum* 68 (2004), 373-399.
- (67) A. Facchini, E. Houston and L. Salce Eds., Rings, Modules, Algebras, and Abelian Groups, *Proceedings of the Algebra Conference - Venezia 2002*, *Lecture notes in Pure and Appl. Math.* 236, Marcel Dekker, Inc., New York, 2004.
- (68) A. Facchini and D. Herbera, Two results on modules whose endomorphism ring is semilocal, *Algebr. Represent. Theory* 7 (5) (2004), 575-585.

- (69) A. Facchini and R. Wiegand, Direct-sum decompositions of modules with semilocal endomorphism ring, *J. Algebra* 274 (2004), 689-707.
- (70) A. Facchini, Geometric regularity of direct-sum decompositions in some classes of modules, *Fundam. Prikl. Mat.* 10 (2004), no. 3, 231-244; English translation in *J. Math. Sciences* 139(4) (2006), 6814-6822.
- (71) A. Facchini, D. Herbera and I. Sakhajev, Flat modules and lifting of finitely generated projective modules, *Pacific J. Math.* 220 (2005), 49-67.
- (72) A. Facchini, K. Fuller, C. M. Ringel and C. Santa-Clara Eds., *Algebras, Rings and their Representations, Proceedings of the International Conference on Algebras, Modules and Rings, Lisbon, Portugal, 14-18 July 2003*, World Scientific, 2006, ISBN: 981-256-598-1, 404 pp.
- (73) A. Facchini, Krull Monoids and Their Application in Module Theory, in "Algebras, Rings and their representations", A. Facchini, K. Fuller, C. M. Ringel and C. Santa-Clara Eds., World Scientific, 2006, pp. 53-71.
- (74) A. Facchini and L. S. Levy, Infinite progenerators sums, in "Algebras, Rings and their representations", A. Facchini, K. Fuller, C. M. Ringel and C. Santa-Clara Eds., World Scientific, 2006, pp. 73-77.
- (75) P. Ara and A. Facchini, Direct sum decompositions of modules, almost trace ideals, and pullbacks of monoids, *Forum Math.* 18 (2006), 365-389.
- (76) A. Facchini and D. Herbera, Local Morphisms and Modules with a Semilocal Endomorphism Ring, *Algebr. Represent. Theory* 9 (2006), 403-422.
- (77) A. Facchini, W. Hassler, L. Klingler and R. Wiegand, Direct-sum decompositions over one-dimensional Cohen-Macaulay local rings, in "Multiplicative Ideal Theory in Commutative Algebra: a tribute to the work of Robert Gilmer", J. W. Brewer, S. Glaz, W. Heinzer and B. Olberding Eds., Springer Science and Business Media Inc., 2006, pp. 153-168.

- (78) A. Facchini, A Characterization of Additive Categories with the Krull-Schmidt Property, in "Algebra and Its Applications", D. V. Huynh, S. K. Jain and S. R López-Permouth Eds., Contemporary Math. Series 419, ISBN-10: 0-8218-3842-3, Amer. Math. Soc., 2006, pp. 125-129.
- (79) A. Facchini, Representations of Additive Categories and Direct-Sum Decompositions of Objects, Indiana Univ. Math. J. 56 (2) (2007), 659-680.
- (80) A. Facchini, Recent Results on Direct-Sum Decompositions of Modules, in "Proceedings 6th International Pure Mathematics Conference 2005", Q. Mushtaq Ed., Pakistan Mathematical Society, Islamabad, Pakistan, 2008. ISSN 1819-6454, pp. 36-43.
- (81) A. Facchini and R. Fernández-Alonso, Subdirect Products of Preadditive Categories and Weak Equivalences, Appl. Categ. Structures 16 (2008), 103-122.
- (82) A. Facchini, Injective modules, spectral categories, and applications, in "Noncommutative Rings, Group Rings, Diagram Algebras and Their Applications", S. K. Jain and S. Parvathi Eds., Contemporary Math. 456, Amer. Math. Soc., 2008, pp. 1-17.
- (83) A. Facchini and P. Prihoda, Monogeny dimension relative to a fixed uniform module, J. Pure Appl. Algebra 212 (2008), 2092-2104.
- (84) A. Facchini and P. Prihoda, Representations of the category of serial modules of finite Goldie dimension, in "Models, Modules and Abelian Groups", R. Göbel and B. Goldsmith Eds., de Gruyter, Berlin - New York, 2008, pp. 463-486.
- (85) B. Amini, A. Amini and A. Facchini, Equivalence of Diagonal Matrices over Local Rings, J. Algebra 320 (2008), 1288-1310.
- (86) A. Amini, B. Amini and A. Facchini, Weak Krull-Schmidt for infinite direct sums of cyclically presented modules over local rings, Rend. Sem. Mat. Univ. Padova 122 (2009), 39-54.
- (87) A. Facchini and P. Prihoda, Factor categories and infinite direct sums, Int. Electron. J. Algebra 5 (2009), 1-34.

- (88) A. Facchini, Subdirect Representations of Categories of Modules, in "Rings, Modules and Representations", N. V. Dung, F. Guerriero, L. Hammoudi and P. Kanwar, Eds., Contemporary Math. Series 480, Amer. Math. Soc., Providence, 2009, pp. 139-151.
- (89) A. Facchini, Some regular direct-sum decompositions in module theory, in "Proceedings of the 41st Symposium on Ring Theory and Representation Theory", H. Fujita Ed., Tsukuba, 2009, pp. 9-22.
- (90) A. Facchini and G. Lolli, Insiemi e classi, Mat. Soc. Cult. Riv. Unione Mat. Ital. (I) 2 (2009), 415-424.
- (91) A. Facchini and N. Girardi, Couniformly presented modules and dualities, in "Advances in Ring Theory", Dinh Van Huynh and Sergio R. López Permouth Eds., Trends in Math., Birkhäuser Verlag, Basel, 2010, pp. 149-164.
- (92) A. Facchini, S. Ecevit and M. T. Kosan, Kernels of morphisms between indecomposable injective modules, Glasgow Math. J. 52A (2010), 69-82.
- (93) S. Ecevit, A. Facchini and M. T. Kosan, Direct sums of infinitely many kernels, J. Australian Math. Soc. 89 (2010), 199-214, DOI:10.1017/S1446788710001539.
- (94) A. Facchini and P. Prihoda, Endomorphism rings with finitely many maximal right ideals, Comm. Algebra 39 (9) (2011), 3317-3338.
- (95) B. Amini, A. Amini and A. Facchini, Cyclically presented modules over rings of finite type, Comm. Algebra 39 (1) (2011), 76-99.
- (96) A. Facchini and P. Prihoda, The Krull-Schmidt Theorem in the case two, Algebr. Represent. Theory 14(3) (2011), 545-570, DOI 10.1007/s10468-009-9202-1.
- (97) A. Amini, B. Amini and A. Facchini, Direct summands of direct sums of modules whose endomorphism rings have two maximal right ideals, J. Pure Appl. Algebra 215 (2011), 2209-2222.
- (98) A. Facchini and M. Perone, Maximal ideals in preadditive categories and semilocal categories, J. Algebra Appl. 10 (1) (2011), 1-27.

- (99) A. Facchini and C. Parolin, Rings whose proper factors are perfect rings, *Colloq. Math.* 122 (2) (2011), 191-202.
- (100) A. Facchini, Direct-sum decompositions of modules, Meca, King Abdulaziz University, Jeddah, 2011.
- (101) A. Facchini and N. Girardi, Auslander-Bridger modules, *Comm. Algebra* 40 (7) (2012), 2455-2476, DOI 10.1080/00927872.2011.579588.
- (102) A. Facchini, Direct-sum decompositions of modules with semilocal endomorphism rings, *Bull. Math. Sci.* 2 (2012), 225-279.
- (103) A. Facchini, "Module Theory. Endomorphism rings and direct sum decompositions in some classes of modules", *Progress in Mathematics* 167, Birkhäuser Verlag, Basel, 1998; new printing in the series "Modern Birkhäuser Classics", Birkhäuser Verlag, Basel, 2012, ISBN 978-3-0302-1.
- (104) A. Facchini, State of the art of the Open problems in: "Module Theory. Endomorphism rings and direct sum decompositions in some classes of modules", in www.math.unipd.it/~facchini/pubblicazioni/pubblicazioni.html, 2012.
- (105) A. Facchini, Errata to: "Module Theory. Endomorphism rings and direct sum decompositions in some classes of modules", in www.math.unipd.it/~facchini/pubblicazioni/pubblicazioni.html, 2012.
- (106) A. Alahmadi and A. Facchini, Some remarks on categories of modules modulo morphisms with essential kernel or superfluous image, *J. Korean Math. Soc.* 50 (2013), 557-578.
- (107) A. Facchini and S. Lippiello, Evoluzione del significato di algebra e del suo linguaggio. Quale algebra per i vari livelli scolastici?, *L'insegnamento della matematica e delle scienze integrate* 36 (2013), 499-526.
- (108) A. Facchini, Introduction to Ring and Module Theory, Edizioni Libreria Progetto Padova, first edition 2013, second edition 2015.

- (109) A. Facchini and M. Perone, On some noteworthy pairs of ideals in Mod-R, Appl. Categ. Structures 22 (2014), 147-167.
- (110) A. Facchini and A. Moradzadeh-Dehkordi, Rings over which every RD-projective module is a direct sums of cyclically presented modules, J. Algebra 401 (2014), 179-200.
- (111) A. Facchini, D. Smertnig and Nguyen Khanh Tung, Cyclically presented modules, projective covers and factorizations, in "Ring Theory and Its Applications. Proceedings volume in honor of T. Y. Lam", D. V. Huynh, S. K. Jain, S. R. López-Permouth, S. T. Rizvi and C. S. Roman Eds., Contemporary Math. 609, Amer. Math. Soc., Providence, 2014, pp. 89-106.
- (112) A. Facchini and Mai Hoang Bien, Maximal ideals of the endomorphism ring of an injective module, J. Algebra Appl. 13 (4) (2014), 1350131-1-1350131-21.
- (113) A. Facchini and G. Simonetta, Rational numbers, finite cyclic monoids, divisibility rules, and numbers of type $99\dots900\dots0$, Amer. Math. Monthly 121 (2014), 471-485.
- (114) A. Facchini and Mai Hoang Bien, Loewy modules with finite Loewy invariants and max modules with finite radical invariants, Comm. Algebra 43 (07) (2015), 2293-2307, DOI: 10.1080/00927872.2014.891604.
- (115) A. Facchini, From endomorphism rings to some noteworthy ideals in categories of modules, in "Noncommutative Rings and Their Applications", S. Dougherty, A. Facchini, A. Leroy, E. Puczyłowski and P. Solé Eds., Contemporary Math. 634, Amer. Math. Soc., Providence, 2015, pp. 149-161.
- (116) A. Alahmadi, A. Facchini and Nguyen Khanh Tung, Automorphism-invariant modules, Rend. Sem. Mat. Univ. Padova 133 (2015), 241-259.
- (117) A. Alahmadi and A. Facchini, Direct products of modules with endomorphism rings having at most two maximal ideals, J. Algebra 435 (2015), 204-222.
- (118) S. Dougherty, A. Facchini, A. Leroy, E. Puczyłowski and P. Solé, Noncommutative Rings and Their Applications, Contemporary Math. 634, Amer. Math. Soc., Providence, 2015, DOI: <http://dx.doi.org/10.1090/conm/634>.

- (119) A. Facchini and Mai Hoang Bien, Injective modules and divisible modules over hereditary rings, *Boll. Unione Mat. Ital.* 7 (2015), 299-308, DOI: 10.1007/s40574-015-0018-0.
- (120) A. Facchini and A. Leroy, Leapfrog constructions: from continuant polynomials to permanent of matrices, *Electron. J. Combin.* 22(1) (2015), paper #P1.39, 27~pp.
- (121) A. Facchini, "Non-commutative local rings" and "Rings with at most two maximal ideals, direct sums and products", in "Proceedings of the First International Workshop and Conference in Commutative Algebra", Tribhuvan University, Kathmandu, Nepal, 20-26 April 2015, available in http://www.cdmathtu.edu.np/index.php?show=commutative_algebra under "Notes from FIWCCA".
- (122) A. Facchini and A. Lucchini, The Krull-Schmidt Theorem holds for biuniform groups, *Algebr. Represent. Theory* 21 (2018), 309-329, DOI: 10.1007/s10468-017-9715-y
- (123) A. Facchini and A. Leroy, Elementary matrices and products of idempotents, *Linear Multilinear Algebra* 64 (10) (2016), 1916-1935. DOI: 10.1080/03081087.2015.1127885.
- (124) A. Facchini and Z. Nazemian, Modules with chain conditions up to isomorphism, *J. Algebra* 453 (2016), 578-601, doi:10.1016/j.jalgebra.2016.01.025
- (125) A. Facchini and M. Fassina, Factorization of elements in noncommutative rings, I, *Algebra Discrete Math.* 22 (2016), 209-232.
- (126) M. J. Arroyo Paniagua and A. Facchini, G-groups and biuniform abelian normal subgroups, *Adv. Group Theory Appl.* 2 (2016), 79-111, DOI: 10.4399/97888548970146.
- (127) M. J. Arroyo Paniagua and A. Facchini, Category of G-groups and its spectral category, *Comm. Algebra* 45 (4) (2017), 1696-1710, DOI 10.1080/00927872.2016.1222409.
- (128) A. Facchini and E. Rodaro, Equalizers and kernels in categories of modules, *Semigroup Forum* 95(3), (2017) 455-474. DOI: 10.1007/s00233-016-9834-5.
- (129) A. Facchini and Z. Nazemian, Artinian dimension and isoradical of modules, *J. Algebra* 484 (2017), 66-87, DOI: 10.1016/j.jalgebra.2017.03.039.

- (130) M. Cortés-Izurdiaga and A. Facchini, Maximal ideals in module categories and applications, *Appl. Categ. Structures* 24 (4) (2018), 617–629. DOI 10.1007/s10485-017-9505-z
- (131) F. Campanini and A. Facchini, On a category of extensions whose endomorphism rings have at most four maximal ideals, in “Advances in Rings and Modules”, S. R. López-Permouth, J. K. Park, S. T. Rizvi and C. Roman Eds, *Contemporary Math.* 715, Amer. Math. Soc., Providence, 2018, pp. 107–126.
- (132) A. Facchini and Z. Nazemian, Serial factorizations of right ideals, *J. Pure Appl. Algebra* 222(12) (2018), 4239–4251. <https://doi.org/10.1016/j.jpaa.2018.02.030>
- (133) A. Facchini and M. Fassina, Factorization of elements in noncommutative rings, II, *Comm. Algebra* 46 (2018), 2928–2946, <https://doi.org/10.1080/00927872.2017.1404082>
- (134) A. Facchini and Z. Nazemian, Equivalence of some homological conditions for ring epimorphisms, *J. Pure Appl. Algebra* 223(4) (2018), 1440–1455, <https://doi.org/10.1016/j.jpaa.2018.06.013>
- (135) M. Altun-Özarslan and A. Facchini, The Krull-Schmidt-Remak-Azumaya Theorem for $\mathcal{G}\mathcal{S}$ -groups, in “Rings, Modules and Codes”, A. Leroy, C. Lomp, S. López-Permouth and F. Oggier Eds., *Contemp. Math.* 727, 2019, pp.25–38.
- (136) A. Facchini and S. Sahinkaya, Uniqueness of decomposition, factorisations, \mathcal{G} -groups and polynomials, *Int. Electron. J. Algebra* 24 (2018), 107–128. DOI 10.24330/ieja
- (137) A. Facchini and Z. Nazemian, On isonoetherian and isoartinian modules, in “Model Theory of Modules, Algebras and Categories”, A. Facchini, L. Gregory, S. L’Innocente and M. Tressl Eds., *Contemp. Math.* 730 (2019), pp. 1–22.
- (138) A. Facchini, M. Fontana, A. Geroldinger and B. Olberding, “Advances in Rings, Modules and Factorizations. Graz, Austria, February 19–23, 2018”, *Springer Proceedings in Math. & Stat.*, Springer, New York, 2020.
- (139) F. Campanini and A. Facchini, Factorizations of polynomials with integral non-negative coefficients,

Semigroup Forum 99 (2) (2019), 317–332, DOI: 10.1007/s00233-018-9979-5.

- (140) M. Altun-Özarslan and A. Facchini, Relations between endomorphism rings, injectivity, surjectivity, and uniserial modules, *J. Algebra Appl.* 19(4) (2020), 2050075 (12 pp.), <https://doi.org/10.1142/S0219498820500759>.
- (141) A. Facchini and Z. Nazemian, Covering classes, strongly flat modules, and completions, *Math. Z.* 296 (2020), 239–259, DOI: 10.1007/s00209-019-02417-3.
- (142) A. Facchini, L. Gregory, S. L’Innocente and M. Tressl, “Model Theory of Modules, Algebras and Categories”, *Contemp. Math.* 730, Amer. Math. Soc., 2019, <https://doi.org/10.1090/conm/730/14707>.
- (143) F. Campanini, S. F. El-Deken and A. Facchini, Homomorphisms between modules with semilocal endomorphism rings, *Algebr. Represent. Theory* 23 (2020), 2237–2256, DOI:10.1007/s10468-019-09936-x.
- (144) A. Facchini and L. Heidari Zadeh, On a partially ordered set associated to ring morphisms, *J. Algebra* 535 (2019), 456–479, doi.org/10.1016/j.jalgebra.2019.06.027.
- (145) A. Facchini, “Semilocal Categories and Modules with Semilocal Endomorphism Rings”, *Progress in Math.* 331, Birkhäuser Verlag, Basel, 2019, available both as an e-book or printed, ISBN 978-3-030-23284-9.
- (146) A. Facchini and L. Heidari Zadeh, An extension of properties of symmetric group to monoids and a pretorsion theory in the category of mappings, *J. Algebra Appl.* 18(12) (2019), 1950234, <https://doi.org/10.1142/S0219498819502347>.
- (147) A. Facchini and Z. Nazemian, Strongly flat modules and right noetherian chain domains, in “Categorical, Homological and Combinatorial Methods in Algebra”, P. Guil Asensio, I. Herzog, A. Leroy and A. K. Srivastava Eds., *Contemp. Math.* 751, Amer. Math. Soc. 2020, pp.177–190.
- (148) A. Facchini and C. A. Finocchiaro, Pretorsion theories, stable category and preordered sets, *Ann. Mat. Pura Appl.* 199 (2020), 1073–1089, <https://doi.org/10.1007/s10231-019-00912-2>, 2019.

- (149) M. J. Arroyo Paniagua, A. Facchini, M. Gran and G. Janelidze, What is the spectral category?, in "Advances in Rings, Modules and Factorizations", A. Facchini, M. Fontana, A. Geroldinger and B. Olberding Eds., Springer, New York, 2020, pp. 135–152.
- (150) M. J. Arroyo Paniagua, A. Facchini and Y. Toloeei, Factorizations of elements in local rings and semilocal rings of finite type, *J. Algebra Appl.* 19 (12) (2020), 2050234 (24 pp.), <https://doi.org/10.1142/S0219498820502345>.
- (151) A. Facchini, C. Finocchiaro and M. Gran, A new Galois structure in the category of internal preorders, *Theory Appl. Categ.* 35 (11) (2020), 326–349.
- (152) F. Campanini and A. Facchini, Exactness of cochain complexes via additive functors, *Comm. Korean Math. Soc.* 35 (4) (2020), 1075–1085. <https://doi.org/10.4134/CKMS.c200069>
- (153) M. J. Arroyo Paniagua, A. Facchini, M. Gran and G. Janelidze, Unusual spectral categories, *Rend. Sem. Mat. Univ. Padova* 144 (2020), 13–25.
- (154) A. A. Bosi and A. Facchini, A natural fibration for rings, *Rend. Sem. Mat. Univ. Padova* 145 (2021), 167–180, DOI: 10.4171/RSMUP/76.
- (155) A. Facchini, C. Finocchiaro and M. Gran, Pretorsion theories in general categories, *J. Pure Appl. Algebra* 225 (2021), no. 2, 106503, 21 pp., <https://doi.org/10.1016/j.jpaa.2020.106503>.
- (156) A. Facchini, Z. Nazemian and P. Prihoda, Covering classes and uniserial modules, *J. Algebra* 570 (2021), 1–23, <https://doi.org/10.1016/j.jalgebra.2020.11.011>
- (157) A. Facchini, Commutative monoids, noncommutative rings and modules, in "New Perspectives in Algebra, Topology and Categories - Summer School, Louvain-la-Neuve, Belgium, September 12–15, 2018 and September 11–14, 2019", M. M. Clementino, A. Facchini and M. Gran Eds., Coimbra Math. Texts 1, Springer Nature, 2021, pp. 67–111.
- (158) S. Ercolanoni and A. Facchini, Projective covers over local rings, *Ann. Mat. Pura Appl.* 200 (2021), 2631–2644, <https://doi.org/10.1007/s10231-021-01095-5>

- (159) A. Facchini, Projective covers and minimal sets of generators over local rings, *J. Pure Appl. Algebra* 226 (10) (2022), 107088.
- (160) M. M. Clementino, A. Facchini and M. Gran, *New Perspectives in Algebra, Topology and Categories – Summer School, Louvain-la-Neuve, Belgium, September 12–15, 2018 and September 11–14, 2019,*, Coimbra Math. Texts 1, Springer Nature, 2021.
- (161) A. Alahmadi, A. Facchini and F. Pagliuca, Some natural additive decompositions of elements in bimodules, *J. Pure Appl. Algebra* 226 (2022), article number 45, 20 pp., <https://doi.org/10.1016/j.jpaa.2021.106806>.
- (162) A. Facchini, Free covers and minimal sets of generators, *Mediterranean J. Math.* 19, 45 (1) (2022), published online on 30 January 2022. <https://doi.org/10.1007/s00009-021-01939-7>
- (163) A. Facchini, C. A. Finocchiaro and G. Janelidze, Abstractly constructed prime spectra, *Algebra Universalis* 83(1) (2022), Paper No 8, 38 pp., <https://doi.org/10.1007/s00012-021-00764-z>.
- (164) A. Facchini, F. de Giovanni and M. Trombetti, Spectra of groups, *Algebr. Represent. Theory* 26 (2023), 1415–1431.
- (165) A. Facchini, Algebraic structures from the point of view of complete multiplicative lattices, in “Algebra and Coding Theory”, A. Leroy and S. K. Jain Eds., *Contemporary Math.* 785 (2023), pp. 113–131, also available at: <http://arxiv.org/abs/2201.03295>.
- (166) A. Facchini and J. Parolin, A little mistake in a paper by Bob Gilmer on rngs, *Int. Electron. J. Algebra* 33 (2023), 133–136.
- (167) D. Bourn, A. Facchini and M. Pompili, Aspects of the category SKB of skew braces, *Comm. Algebra* 51(5) (2023), 2129–2143. <https://doi.org/10.1080/00927872.2022.2151609>
- (168) A. Facchini and C. A. Finocchiaro, Multiplicative lattices: maximal implies prime and related questions, *J. Algebra Appl.* (2023), published online 29 July 2023, <https://doi.org/10.1142/S0219498824502323>.

- (169) A. Facchini, "Tomaso Millevoi (1931-2021)", *Liburnia* 82 (2022), 27-30.
- (170) A. Facchini, Qualche aspetto meno noto nella storia dell'algebra, to appear in *Atti e memorie dell'Accademia Galileiana di Scienze ed Arti in Padova*, 2023.
- (171) A. Facchini and L. Heidari Zadeh, Algebras with a bilinear form, and idempotent endomorphisms, *J. Algebra* 628 (2023), 434-451.
- (172) M. Cerqua and A. Facchini, Pre-Lie algebras, their multiplicative lattice, and idempotent endomorphisms, in "Functor Categories, Module Theory, Algebraic Analysis, and Constructive Methods", A. Martsinkovski Ed., Springer Proc. Math. and Stat., 2023, pp. 23-44, also available at [arXiv:2301.02627](https://arxiv.org/abs/2301.02627).
- (173) A. Facchini and M. Pompili, Semidirect products of digroups and skew braces, *Bull. Belg. Math. Soc. Simon Stevin* 31(1) (2024), 40-53, also available at: [arXiv:2301.09133](https://arxiv.org/abs/2301.09133), DOI number 10.36045/j.bbms.230825.
- (174) A. Facchini and M. Pompili, Multiplicative lattices, idempotent endomorphisms, and left skew braces, *J. Algebra Appl.* 23(8) (2024), 2550040 (24 pages), <https://doi.org/10.1142/S0219498825500409>.
- (175) F. Azmy Ebrahim and A. Facchini, Idempotent pre-endomorphisms of algebras, *Comm. Algebra* 52(2) (2024), 514-527, DOI number 10.1080/00927872.2023.2244081
- (176) A. Facchini, M. Gran and M. Pompili, Ideals and congruences in L-algebras and pre-L-algebras, to appear in *Categories and General Algebraic Structures with Appl.* (2024), also available at <http://arxiv.org/abs/2305.19042>
- (177) M. J. Arroyo Paniagua and A. Facchini, Heaps and trusses, to appear in the proceedings of the conference "[Rings and Factorizations 2023](https://arxiv.org/abs/2308.00527)", July, 10 - 14, 2023, Graz, Austria, M. Brešar, A. Geroldinger, B. Olberding, and D. Smertnig Eds., Springer Proc. in Math. and Statistics, Springer, also available at [arXiv:2308.00527](https://arxiv.org/abs/2308.00527).
- (178) A. Facchini and D. Stanovsky, Semidirect products in Universal Algebra, to appear in "Proceedings of the conferences: NonCommutative Rings and their Applications, VIII and Quadratic Forms, Rings and Codes", M. Ceria, S. Dougherty, A. Facchini, A. Laghribi, A. Leroy, S. Lopez-

Permouth and C. Polcino Milies Eds., Contemporary Math., Amer. Math. Soc., Providence, 2024, also available at arXiv:2311.04321.

(179) M. Ceria, S. Dougherty, A. Facchini, A. Laghribi, A. Leroy, S. Lopez-Permouth and C. Polcino Milies, Proceedings of the conferences: NonCommutative Rings and their Applications, VIII and Quadratic Forms, Rings and Codes, Contemporary Math., Amer. Math. Soc., Providence, 2024, to appear.

(180) A. Facchini, On a variety of Lie-admissible algebras, submitted for publication, 2024.