

- [1] Yago Antolín and María Cumplido. “Parabolic subgroups acting on the additional length graph”. English. In: *Algebr. Geom. Topol.* 21.4 (2021), pp. 1791–1816. ISSN: 1472-2747. DOI: 10.2140/agt.2021.21.1791. URL: eprints.ucm.es/id/eprint/69511/1/antolin_parabolicsubgroups.pdf.
- [2] Yago Antolín and Ramón Flores. “Bredon homology of Artin groups of dihedral type”. English. In: *J. Pure Appl. Algebra* 227.11 (2023). Id/No 107376, p. 26. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2023.107376. URL: eprints.ucm.es/id/eprint/72912/1/ACFr0gBc1EtjK0a1ibTnM8cmFmL8vL9MD7EaFXa_iH68N_I_28rptUmkjz5glVCL-sVqXUv4zDCq1EyYtfrKe6nbAEWfptibE6fADK9Aht7ZX57_qhiEqhRNnIQIpyvbqlx51FrVf0QxoopxntIx.pdf.
- [3] Yago Antolín and Ramón Flores. “On the classifying space for proper actions of groups with cyclic torsion”. English. In: *Forum Math.* 26.1 (2014), pp. 271–294. ISSN: 0933-7741. DOI: 10.1515/form.2011.159. URL: idus.us.es/xmlui/handle/11441/63061.
- [4] Javier Aramayona et al. *Block mapping class groups and their finiteness properties*. Preprint, arXiv:2207.06671 [math.GT] (2022). 2022.
- [5] Julio Aroca and María Cumplido. “A new family of infinitely braided Thompson’s groups”. English. In: *J. Algebra* 607 (2022), pp. 5–34. ISSN: 0021-8693. DOI: 10.1016/j.jalgebra.2020.07.021.
- [6] R. Ayala et al. “An elementary approach to the projective dimension in proper homotopy theory”. English. In: *Commun. Algebra* 31.12 (2003), pp. 5995–6017. ISSN: 0092-7872. DOI: 10.1081/AGB-120024863.
- [7] Rhea Palak Bakshi et al. “On multiplying curves in the Kauffman bracket skein algebra of the thickened four-holed sphere”. English. In: *J. Knot Theory Ramifications* 30.14 (2021). Id/No 2141001, p. 29. ISSN: 0218-2165. DOI: 10.1142/S0218216521410017.
- [8] H.-J. Baues and F. Muro. *The characteristic cohomology class of a triangulated category*. Preprint, arXiv:math/0505540 [math.KT] (2005). 2005.
- [9] H.-J. Baues and F. Muro. “Cohomologically triangulated categories. I”. English. In: *J. K-Theory* 1.1 (2008), pp. 3–48. ISSN: 1865-2433. DOI: 10.1017/is007011018jkt019.
- [10] H.-J. Baues and F. Muro. “Cohomologically triangulated categories. II”. English. In: *J. K-Theory* 3.1 (2009), pp. 1–52. ISSN: 1865-2433. DOI: 10.1017/is008007021jkt061.
- [11] Hans-Joachim Baues and Fernando Muro. “Secondary homotopy groups”. English. In: *Forum Math.* 20.4 (2008), pp. 631–677. ISSN: 0933-7741. DOI: 10.1515/FORUM.2008.032.
- [12] Hans-Joachim Baues and Fernando Muro. “Smash products for secondary homotopy groups”. English. In: *Appl. Categ. Struct.* 16.5 (2008), pp. 551–616. ISSN: 0927-2852. DOI: 10.1007/s10485-007-9071-x.

- [13] Hans-Joachim Baues and Fernando Muro. “The algebra of secondary homotopy operations in ring spectra”. English. In: *Proc. Lond. Math. Soc.* (3) 102.4 (2011), pp. 637–696. ISSN: 0024-6115. DOI: 10.1112/plms/pdq034. URL: idus.us.es/xmlui/handle/11441/41904.
- [14] Hans-Joachim Baues and Fernando Muro. “The homotopy category of pseudofunctors and translation cohomology”. English. In: *J. Pure Appl. Algebra* 211.3 (2007), pp. 821–850. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2007.04.008.
- [15] Hans-Joachim Baues and Fernando Muro. “The symmetric action on secondary homotopy groups”. English. In: *Bull. Belg. Math. Soc. - Simon Stevin* 15.4 (2008), pp. 733–768. ISSN: 1370-1444.
- [16] Hans-Joachim Baues and Fernando Muro. “Toda brackets and cup-one squares for ring spectra”. English. In: *Commun. Algebra* 37.1 (2009), pp. 56–82. ISSN: 0092-7872. DOI: 10.1080/00927870802241188. URL: idus.us.es/xmlui/handle/11441/41881.
- [17] Joan S. Birman, Volker Gebhardt, and Juan Gonz  les-Meneses. “Conjugacy in Garside groups. II: Structure of the ultra summit set.” English. In: *Groups Geom. Dyn.* 2.1 (2008), pp. 13–61. ISSN: 1661-7207. DOI: 10.4171/GGD/30.
- [18] Joan S. Birman, Volker Gebhardt, and Juan Gonz  lez-Meneses. “Conjugacy in Garside groups. I: Cyclings, powers and rigidity.” English. In: *Groups Geom. Dyn.* 1.3 (2007), pp. 221–279. ISSN: 1661-7207. DOI: 10.4171/GGD/12.
- [19] Joan S. Birman, Volker Gebhardt, and Juan Gonz  lez-Meneses. “Conjugacy in Garside groups. III: Periodic braids.” English. In: *J. Algebra* 316.2 (2007), pp. 746–776. ISSN: 0021-8693. DOI: 10.1016/j.jalgebra.2007.02.002. URL: idus.us.es/xmlui/handle/11441/42280.
- [20] Rub  n Blasco-Garc  a, Mar  a Cumplido, and Rose Morris-Wright. *The Word Problem is Solvable for 3-free Artin groups in Quadratic Time*. Preprint, arXiv:2204.03523 [math.GR] (2022). 2022.
- [21] Sylvain Bonnot et al. “Limits of sequences of pseudo-Anosov maps and of hyperbolic 3-manifolds”. English. In: *Algebr. Geom. Topol.* 21.3 (2021), pp. 1351–1370. ISSN: 1472-2747. DOI: 10.2140/agt.2021.21.1351.
- [22] Maciej Borodzik, Wojciech Politarczyk, and Marithania Silvero. “Khoranov homotopy type, periodic links and localizations”. English. In: *Math. Ann.* 380.3-4 (2021), pp. 1233–1309. ISSN: 0025-5831. DOI: 10.1007/s00208-021-02157-y.
- [23] Carles Broto, Ram  n Flores, and Carlos Giraldo. “Minimality in diagrams of simplicial sets”. English. In: *J. Homotopy Relat. Struct.* 14.4 (2019), pp. 1043–1082. ISSN: 2193-8407. DOI: 10.1007/s40062-019-00239-y.

- [24] José Burillo and Juan González-Meneses. “Bi-orderings on pure braided Thompson’s groups.” English. In: *Q. J. Math.* 59.1 (2008), pp. 1–14. ISSN: 0033-5606. DOI: 10.1093/qmath/ham029. URL: idus.us.es/xmlui/handle/11441/42289.
- [25] Matthieu Calvez, Bruno A. Cisneros de la Cruz, and María Cumplido. “Conjugacy stability of parabolic subgroups of Artin-Tits groups of spherical type”. English. In: *J. Algebra* 556 (2020), pp. 621–633. ISSN: 0021-8693. DOI: 10.1016/j.jalgebra.2020.03.017.
- [26] Federico Cantero Morán and Marithania Silvero. “Almost-extreme Khovanov spectra”. English. In: *Sel. Math., New Ser.* 27.5 (2021). Id/No 95, p. 45. ISSN: 1022-1824. DOI: 10.1007/s00029-021-00706-6.
- [27] Federico Cantero-Morán, Sergio García-Rodrigo, and Marithania Silvero. *Quantum annular homology and bigger Burnside categories*. Preprint, arXiv:2312.16947 [math.GT] (2023). 2023.
- [28] M. Cárdenas, F. Muro, and A. Quintero. “The proper L-S category of Whitehead manifolds”. English. In: *Topology Appl.* 153.4 (2005), pp. 557–579. ISSN: 0166-8641. DOI: 10.1016/j.topol.2005.01.031.
- [29] M. Cárdenas et al. “Proper L-S category, fundamental pro-groups and 2-dimensional proper co-H-spaces”. English. In: *Topology Appl.* 153.4 (2005), pp. 580–604. ISSN: 0166-8641. DOI: 10.1016/j.topol.2005.01.032.
- [30] Manuel Cárdenas et al. *Covering-based numbers related to the LS-category of finite spaces*. Preprint, arXiv:2209.14739 [math.AT] (2022). 2022.
- [31] Victor Carmona, Ramon Flores, and Fernando Muro. *A model structure for locally constant factorization algebras*. Preprint, arXiv:2107.14174 [math.AT] (2021). 2021.
- [32] V. Carmona Sánchez et al. “Homology and cohomology of finite spaces”. English. In: *J. Pure Appl. Algebra* 224.4 (2020). Id/No 106200, p. 38. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2019.106200.
- [33] Natàlia Castellana and Ramón Flores. “Homotopy idempotent functors on classifying spaces”. English. In: *Trans. Am. Math. Soc.* 367.2 (2015), pp. 1217–1245. ISSN: 0002-9947. DOI: 10.1090/S0002-9947-2014-06132-1.
- [34] Natàlia Castellana, Ramón Flores, and Alberto Gavira-Romero. “Cellular approximations of p -local compact groups”. English. In: *J. Topol.* 12.4 (2019), pp. 1093–1114. ISSN: 1753-8416. DOI: 10.1112/topol.12111.
- [35] Wojciech Chachólski et al. “Cellular properties of nilpotent spaces”. English. In: *Geom. Topol.* 19.5 (2015), pp. 2741–2766. ISSN: 1465-3060. DOI: 10.2140/gt.2015.19.2741. URL: idus.us.es/xmlui/handle/11441/65570.
- [36] Corentin Le Coz et al. *Post-quantum hash functions using $SL_n(\mathbb{F}_p)$* . Preprint, arXiv:2207.03987 [cs.CR] (2022). 2022.

- [37] María Cumplido. “On loxodromic actions of Artin-Tits groups”. English. In: *J. Pure Appl. Algebra* 223.1 (2019), pp. 340–348. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2018.03.013.
- [38] María Cumplido. “On the minimal positive standardizer of a parabolic subgroup of an Artin-Tits group”. English. In: *J. Algebr. Comb.* 49.3 (2019), pp. 337–359. ISSN: 0925-9899. DOI: 10.1007/s10801-018-0837-z.
- [39] María Cumplido. *Pure infinitely braided Thompson groups*. Preprint, arXiv:2311.12763 [math.GR] (2023). 2023.
- [40] María Cumplido. “The conjugacy stability problem for parabolic subgroups in Artin groups”. English. In: *Mediterr. J. Math.* 19.5 (2022). Id/No 237, p. 22. ISSN: 1660-5446. DOI: 10.1007/s00009-022-02153-9.
- [41] María Cumplido, Federica Gavazzi, and Luis Paris. *Intersection of Parabolic Subgroups in Euclidean Braid Groups: a short proof*. Preprint, arXiv:2402.10919 [math.GR] (2024). 2024.
- [42] María Cumplido, Juan González-Meneses, and Marithania Silvero. *The root extraction problem for generic braids*. Preprint, arXiv:1909.10962 [math.GR] (2019). 2019.
- [43] María Cumplido, Delaram Kahrobaei, and Marialaura Noce. *The root extraction problem in braid group-based cryptography*. Preprint, arXiv:2203.15898 [cs.CR] (2022). 2022.
- [44] María Cumplido, Alexandre Martin, and Nicolas Vaskou. “Parabolic subgroups of large-type Artin groups”. English. In: *Math. Proc. Camb. Philos. Soc.* 174.2 (2023), pp. 393–414. ISSN: 0305-0041. DOI: 10.1017/S0305004122000342.
- [45] María Cumplido and Luis Paris. *Commensurability in Artin groups of spherical type*. Preprint, arXiv:1904.09461 [math.GR] (2019). 2019.
- [46] María Cumplido and Luis Paris. “Commensurability in Artin groups of spherical type”. English. In: *Rev. Mat. Iberoam.* 38.2 (2022), pp. 503–526. ISSN: 0213-2230. DOI: 10.4171/RMI/1282.
- [47] María Cumplido and Bert Wiest. “A positive proportion of elements of mapping class groups is pseudo-Anosov”. English. In: *Bull. Lond. Math. Soc.* 50.3 (2018), pp. 390–394. ISSN: 0024-6093. DOI: 10.1112/blms.12148.
- [48] María Cumplido et al. “On parabolic subgroups of Artin-Tits groups of spherical type”. English. In: *Adv. Math.* 352 (2019), pp. 572–610. ISSN: 0001-8708. DOI: 10.1016/j.aim.2019.06.010.
- [49] R. Díaz and P. M. G. Manchón. “Pretzel knots up to nine crossings”. English. In: *Topology Appl.* 339 (2023). Id/No 108583, p. 11. ISSN: 0166-8641. DOI: 10.1016/j.topol.2023.108583.

- [50] Jerónimo Díaz-Cantos, Juan González-Meneses, and José M. Tornero. “On the singular braid monoid of an orientable surface.” English. In: *Proc. Am. Math. Soc.* 132.10 (2004), pp. 2867–2873. ISSN: 0002-9939. DOI: 10.1090/S0002-9939-04-07307-1.
- [51] R. Flores et al. “ $SL(2, \mathbb{R})$ -geometric phase space and $(2+2)$ -dimensions”. English. In: *Rev. Mex. Fís.* 59.4 (2013), pp. 352–358. ISSN: 0035-001X.
- [52] Ramón Flores. “Bredon homology of wallpaper groups”. English. In: *Bull. Korean Math. Soc.* 60.6 (2023), pp. 1497–1522. ISSN: 1015-8634. DOI: 10.4134/BKMS.b220669.
- [53] Ramon Flores, Delaram Kahrobaei, and Thomas Koberda. *A cryptographic application of the Thurston norm*. Preprint, arXiv:1908.03504 [math.GT] (2019). 2019.
- [54] Ramon Flores, Sanaz Pooya, and Alain Valette. *Equivariant K -homology and K -theory for some discrete planar affine groups*. Preprint, arXiv:2212.09557 [math.OA] (2022). 2022.
- [55] Ramón Flores and Juan González-Meneses. “Classifying spaces for the family of virtually cyclic subgroups of braid groups”. English. In: *Int. Math. Res. Not.* 2020.5 (2020), pp. 1575–1600. ISSN: 1073-7928. DOI: 10.1093/imrn/rny067.
- [56] Ramón Flores and Juan González-Meneses. “On lexicographic representatives in braid monoids”. English. In: *J. Algebr. Comb.* 52.4 (2020), pp. 561–597. ISSN: 0925-9899. DOI: 10.1007/s10801-019-00913-7.
- [57] Ramón Flores and Juan González-Meneses. “On the growth of Artin-Tits monoids and the partial theta function”. English. In: *J. Comb. Theory, Ser. A* 190 (2022). Id/No 105623, p. 39. ISSN: 0097-3165. DOI: 10.1016/j.jcta.2022.105623.
- [58] Ramón Flores and Delaram Kahrobaei. *Cryptography with right-angled Artin groups*. Preprint, arXiv:1610.06495 [cs.CR] (2016). 2016.
- [59] Ramón Flores, Delaram Kahrobaei, and Thomas Koberda. “Algorithmic problems in right-angled Artin groups: complexity and applications”. English. In: *J. Algebra* 519 (2019), pp. 111–129. ISSN: 0021-8693. DOI: 10.1016/j.jalgebra.2018.10.023.
- [60] Ramón Flores, Delaram Kahrobaei, and Thomas Koberda. “An algebraic characterization of k -colorability”. English. In: *Proc. Am. Math. Soc.* 149.5 (2021), pp. 2249–2255. ISSN: 0002-9939. DOI: 10.1090/proc/15391. URL: eprints.whiterose.ac.uk/166856/1/raag_coloring270920.pdf.
- [61] Ramón Flores, Delaram Kahrobaei, and Thomas Koberda. *Expanders and right-angled Artin groups*. Preprint, arXiv:2005.06143 [math.GR] (2020). 2020.

- [62] Ramón Flores, Delaram Kahrobaei, and Thomas Koberda. “Hamiltonicity via cohomology of right-angled Artin groups”. English. In: *Linear Algebra Appl.* 631 (2021), pp. 94–110. ISSN: 0024-3795. DOI: 10.1016/j.laa.2021.08.019.
- [63] Ramón Flores, Rosa Lillo, and Juan Romo. “Homogeneity test for functional data”. English. In: *J. Appl. Stat.* 45.5 (2018), pp. 868–883. ISSN: 0266-4763. DOI: 10.1080/02664763.2017.1319470. URL: idus.us.es/xmlui/handle/11441/62685.
- [64] Ramón Flores, Elisenda Molina, and Juan Tejada. “Evaluating groups with the generalized Shapley value”. English. In: *JOR* 17.2 (2019), pp. 141–172. ISSN: 1619-4500. DOI: 10.1007/s10288-018-0380-8.
- [65] Ramón Flores, Elisenda Molina, and Juan Tejada. “Pyramidal values”. English. In: *Ann. Oper. Res.* 217 (2014), pp. 233–252. ISSN: 0254-5330. DOI: 10.1007/s10479-013-1509-y. URL: eprints.ucm.es/26442/7/ws122418.pdf_sequence%3D1.
- [66] Ramón Flores and Fernando Muro. “Torsion homology and cellular approximation”. English. In: *Algebr. Geom. Topol.* 19.1 (2019), pp. 457–476. ISSN: 1472-2747. DOI: 10.2140/agt.2019.19.457.
- [67] Ramón Flores, Sanaz Pooya, and Alain Valette. “ K -homology and K -theory for the lamplighter groups of finite groups”. English. In: *Proc. Lond. Math. Soc. (3)* 115.6 (2017), pp. 1207–1226. ISSN: 0024-6115. DOI: 10.1112/plms.12061.
- [68] Ramón Flores and José L. Rodríguez. “Generators and closed classes of groups”. English. In: *Publ. Mat., Barc.* 65.2 (2021), pp. 431–457. ISSN: 0214-1493. DOI: 10.5565/PUBLMAT6522102.
- [69] Ramón Flores and José L. Rodríguez. “On localizations of quasi-simple groups with given countable center”. English. In: *Groups Geom. Dyn.* 14.3 (2020), pp. 1023–1042. ISSN: 1661-7207. DOI: 10.4171/GGD/573.
- [70] Ramón Flores and Jérôme Scherer. “Cellular covers of local groups”. English. In: *Mediterr. J. Math.* 15.6 (2018). Id/No 229, p. 11. ISSN: 1660-5446. DOI: 10.1007/s00009-018-1273-y.
- [71] Ramón Flores et al. *Right-angled Artin groups and the cohomology basis graph*. Preprint, arXiv:2309.05495 [math.GR] (2023). 2023.
- [72] Ramón Flores et al. “What is a good result in the first leg of a two-legged football match?” English. In: *Eur. J. Oper. Res.* 247.2 (2015), pp. 641–647. ISSN: 0377-2217. DOI: 10.1016/j.ejor.2015.05.076.
- [73] Ramón J. Flores. “Classifying spaces for wallpaper groups”. English. In: *Geometric group theory. Geneva and Barcelona conferences. Selected papers of the conference on asymptotic and probabilistic methods in geometric group theory, Geneva, Switzerland, June 20–25, 2005 and the Barcelona conference in group theory, Barcelona, Spain, June 28 – July 3, 2005*. Basel: Birkhäuser, 2007, pp. 51–64. ISBN: 978-3-7643-8411-1.

- [74] Ramón J. Flores. “Nullification and cellularization of classifying spaces of finite groups”. English. In: *Trans. Am. Math. Soc.* 359.4 (2007), pp. 1791–1816. ISSN: 0002-9947. DOI: 10.1090/S0002-9947-06-03926-2.
- [75] Ramón J. Flores. “Nullification functors and the homotopy type of the classifying space for proper bundles”. English. In: *Algebr. Geom. Topol.* 5 (2005), pp. 1141–1172. ISSN: 1472-2747. DOI: 10.2140/agt.2005.5.1141.
- [76] Ramón J. Flores. “On the idempotency of some composite functors”. English. In: *Isr. J. Math.* 187 (2012), pp. 81–91. ISSN: 0021-2172. DOI: 10.1007/s11856-011-0163-9. URL: idus.us.es/handle/11441/64165.
- [77] Ramón J. Flores and Richard M. Foote. “Strongly closed subgroups of finite groups.” English. In: *Adv. Math.* 222.2 (2009), pp. 453–484. ISSN: 0001-8708. DOI: 10.1016/j.aim.2009.05.005.
- [78] Ramón J. Flores and Richard M. Foote. “The cellular structure of the classifying spaces of finite groups”. English. In: *Isr. J. Math.* 184 (2011), pp. 129–156. ISSN: 0021-2172. DOI: 10.1007/s11856-011-0062-0. URL: idus.us.es/handle/11441/72238.
- [79] Ramón J. Flores and Brita E. A. Nucinkis. “On Bredon homology of elementary amenable groups.” English. In: *Proc. Am. Math. Soc.* 135.1 (2007), pp. 5–11. ISSN: 0002-9939. DOI: 10.1090/S0002-9939-06-08565-0.
- [80] Ramón J. Flores and Jérôme Scherer. “Cellularization of classifying spaces and fusion properties of finite groups”. English. In: *J. Lond. Math. Soc., II. Ser.* 76.1 (2007), pp. 41–56. ISSN: 0024-6107. DOI: 10.1112/jlms/jdm031.
- [81] Nuno Franco and Juan González-Meneses. “Computation of centralizers in braid groups and Garside groups.” English. In: *Rev. Mat. Iberoam.* 19.2 (2003), pp. 367–384. ISSN: 0213-2230. DOI: 10.4171/RMI/352.
- [82] Nuno Franco and Juan González-Meneses. “Conjugacy problem for braid groups and Garside groups.” English. In: *J. Algebra* 266.1 (2003), pp. 112–132. ISSN: 0021-8693. DOI: 10.1016/S0021-8693(03)00292-8.
- [83] Volker Gebhardt and Juan González-Meneses. “Generating random braids”. English. In: *J. Comb. Theory, Ser. A* 120.1 (2013), pp. 111–128. ISSN: 0097-3165. DOI: 10.1016/j.jcta.2012.07.003.
- [84] Volker Gebhardt and Juan González-Meneses. “Solving the conjugacy problem in Garside groups by cyclic sliding.” English. In: *J. Symb. Comput.* 45.6 (2010), pp. 629–656. ISSN: 0747-7171. DOI: 10.1016/j.jsc.2010.01.013. URL: idus.us.es/xmlui/handle/11441/42311.
- [85] Volker Gebhardt and Juan González-Meneses. “The cyclic sliding operation in Garside groups.” English. In: *Math. Z.* 265.1 (2010), pp. 85–114. ISSN: 0025-5874. DOI: 10.1007/s00209-009-0502-2. URL: idus.us.es/handle/11441/42284.

- [86] Juan Gonz  les-Meneses. “Improving an algorithm to solve multiple simultaneous conjugacy problems in braid groups.” English. In: *Geometric methods in group theory. Papers of the AMS special session on geometric group theory, Boston, MA, USA, October 5–6, 2002 and of the special session at the 1st joint meeting of the AMS and the RSMA, Seville, Spain, June 18–21, 2003*. Providence, RI: American Mathematical Society (AMS), 2005, pp. 35–42. ISBN: 0-8218-3362-6.
- [87] Pedro M. Gonz  lez Manch  n. “Homogeneous links and the Seifert matrix”. English. In: *Pac. J. Math.* 255.2 (2012), pp. 373–392. ISSN: 1945-5844. DOI: 10.2140/pjm.2012.255.373. URL: msp.berkeley.edu/pjm/2012/255-2/p06.xhtml.
- [88] Juan Gonzalez-Meneses. *Ordering pure braid groups on closed surfaces*. Preprint, arXiv:math/0006155 [math.GT] (2000). 2000.
- [89] Juan Gonzalez-Meneses. “The n th root of a braid is unique up to conjugacy.” English. In: *Algebr. Geom. Topol.* 3 (2003), pp. 1103–1118. ISSN: 1472-2747. DOI: 10.2140/agt.2003.3.1103.
- [90] J. Gonz  lez-Meneses and P. M. G. Manch  n. “Closures of positive braids and the Morton-Franks-Williams inequality”. English. In: *Topology Appl.* 174 (2014), pp. 14–24. ISSN: 0166-8641. DOI: 10.1016/j.topol.2014.06.008.
- [91] J. Gonz  lez-Meneses, P. M. G. Manch  n, and M. Silvero. “A geometric description of the extreme Khovanov cohomology”. English. In: *Proc. R. Soc. Edinb., Sect. A, Math.* 148.3 (2018), pp. 541–557. ISSN: 0308-2105. DOI: 10.1017/S0308210517000300.
- [92] Juan Gonz  lez-Meneses. “Basic results on braid groups.” English. In: *Ann. Math. Blaise Pascal* 18.1 (2011), pp. 15–59. ISSN: 1259-1734. DOI: 10.5802/ambp.293.
- [93] Juan Gonz  lez-Meneses. “Geometric approaches to braid groups and mapping class groups”. English. In: *Winter Braids Lect. Notes* 2 (2015), ex. ISSN: 2426-0312. DOI: 10.5802/wbln.9.
- [94] Juan Gonz  lez-Meneses. “Geometric embeddings of braid groups do not merge conjugacy classes.” English. In: *Bol. Soc. Mat. Mex., III. Ser.* 20.2 (2014), pp. 297–305. ISSN: 1405-213X. DOI: 10.1007/s40590-014-0018-6. URL: idus.us.es/handle/11441/42255.
- [95] Juan Gonz  lez-Meneses. “New presentations of surface braid groups”. English. In: *J. Knot Theory Ramifications* 10.3 (2001), pp. 431–451. ISSN: 0218-2165. DOI: 10.1142/S0218216501000949.
- [96] Juan Gonz  lez-Meneses. “On reduction curves and Garside properties of braids.” English. In: *Topology of algebraic varieties and singularities. Invited papers of the conference in honor of Anatoly Libgober’s 60th birthday, Jaca, Spain, June 22–26, 2009*. Providence, RI: American Mathematical Society (AMS); Madrid: Real Sociedad Matem  tica Espa  ola, 2011, pp. 227–244. ISBN: 978-0-8218-4890-6.

- [97] Juan González-Meneses. “Ordering pure braid groups on compact, connected surfaces.” English. In: *Pac. J. Math.* 203.2 (2002), pp. 369–378. ISSN: 1945-5844. DOI: 10.2140/pjm.2002.203.369.
- [98] Juan González-Meneses. “Presentations for the monoids of singular braids on closed surfaces”. English. In: *Commun. Algebra* 30.6 (2002), pp. 2829–2836. ISSN: 0092-7872. DOI: 10.1081/AGB-120003991.
- [99] Juan González-Meneses. “Some computational aspects in the work of Patrick Dehornoy”. English. In: *J. Knot Theory Ramifications* 31.8 (2022). Id/No 2240005, p. 9. ISSN: 0218-2165. DOI: 10.1142/S0218216522400053.
- [100] Juan González-Meneses and Volker Gebhardt. “On the cycling operation in braid groups.” English. In: *Discrete Appl. Math.* 156.16 (2008), pp. 3072–3090. ISSN: 0166-218X. DOI: 10.1016/j.dam.2008.01.023. URL: idus.us.es/xmlui/handle/11441/42260.
- [101] Juan González-Meneses and Pedro M. G. Manchón. “A geometric characterization of the upper bound for the span of the Jones polynomial”. English. In: *J. Knot Theory Ramifications* 20.7 (2011), pp. 1059–1071. ISSN: 0218-2165. DOI: 10.1142/S0218216511009005.
- [102] Juan González-Meneses and Ivan Marin. *Parabolic subgroups of complex braid groups*. Preprint, arXiv:2208.11938 [math.GR] (2022). 2022.
- [103] Juan González-Meneses and Luis Paris. “Vassiliev invariants for braids on surfaces”. English. In: *Trans. Am. Math. Soc.* 356.1 (2004), pp. 219–243. ISSN: 0002-9947. DOI: 10.1090/S0002-9947-03-03116-7.
- [104] Juan González-Meneses and Marithania Silvero. “Polynomial braid combing”. English. In: *Math. Comput.* 88.318 (2019), pp. 2027–2045. ISSN: 0025-5718. DOI: 10.1090/mcom/3392. URL: idus.us.es/handle/11441/84184.
- [105] Juan González-Meneses and Dolores Valladares. “On the centralizer of generic braids”. English. In: *J. Group Theory* 21.6 (2018), pp. 973–1000. ISSN: 1433-5883. DOI: 10.1515/jgth-2018-0027. URL: idus.us.es/handle/11441/84183.
- [106] Juan González-Meneses and Enric Ventura. “Twisted conjugacy in braid groups.” English. In: *Isr. J. Math.* 201 (2014), pp. 455–476. ISSN: 0021-2172. DOI: 10.1007/s11856-014-0032-4. URL: idus.us.es/xmlui/handle/11441/41164.
- [107] Juan González-Meneses and Bert Wiest. “On the structure of the centralizer of a braid.” English. In: *Ann. Sci. Éc. Norm. Supér. (4)* 37.5 (2004), pp. 729–757. ISSN: 0012-9593. DOI: 10.1016/j.ansens.2004.04.002. URL: idus.us.es/handle/11441/43116.
- [108] Juan González-Meneses and Bert Wiest. “Reducible braids and Garside theory.” English. In: *Algebr. Geom. Topol.* 11.5 (2011), pp. 2971–3010. ISSN: 1472-2747. DOI: 10.2140/agt.2011.11.2971.

- [109] Ai Guan and Fernando Muro. *Operations on the de Rham cohomology of Poisson and Jacobi manifolds*. Preprint, arXiv:2312.07321 [math.DG] (2023). 2023.
- [110] Gustavo Jasso, Bernhard Keller, and Fernando Muro. *The Derived Auslander-Iyama Correspondence*. Preprint, arXiv:2208.14413 [math.RT] (2022). 2022.
- [111] Gustavo Jasso, Bernhard Keller, and Fernando Muro. *The Donovan-Wemyss Conjecture via the Derived Auslander-Iyama Correspondence*. Preprint, arXiv:2301.11593 [math.AG] (2023). 2023.
- [112] Delaram Kahrobaei, Ramón Flores, and Marialaura Noce. “Group-based cryptography in the quantum era”. English. In: *Notices Am. Math. Soc.* 70.5 (2023), pp. 752–763. ISSN: 0002-9920. DOI: 10.1090/noti2684.
- [113] Louis H. Kauffman and Marithania Silvero. “Alexander-Conway polynomial state model and link homology”. English. In: *J. Knot Theory Ramifications* 25.3 (2016). Id/No 1640005, p. 8. ISSN: 0218-2165. DOI: 10.1142/S0218216516400058.
- [114] Marc Kegel et al. *Khovanov homology of positive links and of L-space knots*. Preprint, arXiv:2304.13613 [math.GT] (2023). 2023.
- [115] Marc Kegel et al. *On unknotting fibered positive knots and braids*. Preprint, arXiv:2312.07339 [math.GT] (2023). 2023.
- [116] Mikhail Khovanov et al. “A topological theory for unoriented $SL(4)$ foams”. English. In: *Mediterr. J. Math.* 21.2 (2024). Id/No 62, p. 33. ISSN: 1660-5446. DOI: 10.1007/s00009-024-02591-7.
- [117] Jeroen Maes and Fernando Muro. “Derived homotopy algebras”. English. In: *Proc. R. Soc. Edinb., Sect. A, Math.* 153.4 (2023), pp. 1198–1243. ISSN: 0308-2105. DOI: 10.1017/prm.2022.42.
- [118] P. M. G. Manchón. “Extreme coefficients of Jones polynomials and graph theory.” English. In: *J. Knot Theory Ramifications* 13.2 (2004), pp. 277–295. ISSN: 0218-2165. DOI: 10.1142/S0218216504003135.
- [119] P. M. G. Manchón. “Hypersurfaces in \mathbb{R}^n and critical points in their external region”. English. In: *Czech. Math. J.* 52.1 (2002), pp. 1–9. ISSN: 0011-4642. DOI: 10.1023/A:1021707017802.
- [120] P. M. G. Manchón. “On Kirby’s problem about simplification of links”. English. In: *J. Knot Theory Ramifications* 8.1 (1999), pp. 1–13. ISSN: 0218-2165. DOI: 10.1142/S021821659900002X.
- [121] P. M. G. Manchón. “There exist conjugate simple braids whose associated permutations are not strongly conjugate.” English. In: *Math. Proc. Camb. Philos. Soc.* 143.3 (2007), pp. 663–667. ISSN: 0305-0041. DOI: 10.1017/S0305004107000709.
- [122] Pedro M. G. Manchón. “Submanifolds in the context of infinite dimensional manifolds with corners”. English. In: *Acta Math. Hung.* 81.1-2 (1998), pp. 21–40. ISSN: 0236-5294. DOI: 10.1023/A:1006558725800.

- [123] Federico Cantero Morán and Marithania Silvero. “Extreme Khovanov spectra”. English. In: *Rev. Mat. Iberoam.* 36.3 (2020), pp. 661–670. ISSN: 0213-2230. DOI: 10.4171/rmi/1142.
- [124] H. R. Morton and P. M. G. Manchón. “Geometrical relations and plethysms in the Homfly skein of the annulus”. English. In: *J. Lond. Math. Soc., II. Ser.* 78.2 (2008), pp. 305–328. ISSN: 0024-6107. DOI: 10.1112/jlms/jdn026.
- [125] Sujoy Mukherjee et al. “Search for torsion in Khovanov homology”. English. In: *Exp. Math.* 27.4 (2018), pp. 488–497. ISSN: 1058-6458. DOI: 10.1080/10586458.2017.1320242.
- [126] Fernando Muro. *A triangulated category without models*. Preprint, arXiv:math/0703311 [math.KT] (2007). 2007.
- [127] Fernando Muro. “Correction to: “Homotopy theory of nonsymmetric operads. I–II””. English. In: *Algebr. Geom. Topol.* 17.6 (2017), pp. 3837–3852. ISSN: 1472-2747. DOI: 10.2140/agt.2017.17.3837.
- [128] Fernando Muro. “Cylinders for non-symmetric DG-operads via homological perturbation theory”. English. In: *J. Pure Appl. Algebra* 220.9 (2016), pp. 3248–3281. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2016.02.013. URL: idus.us.es/xmlui/handle/11441/43063.
- [129] Fernando Muro. “Derived universal Massey products”. English. In: *Homology Homotopy Appl.* 25.1 (2023), pp. 189–218. ISSN: 1532-0073. DOI: 10.4310/HHA.2023.v25.n1.a10.
- [130] Fernando Muro. “Dwyer-Kan homotopy theory of enriched categories”. English. In: *J. Topol.* 8.2 (2015), pp. 377–413. ISSN: 1753-8416. DOI: 10.1112/jtopol/jtu029. URL: idus.us.es/xmlui/handle/11441/43027.
- [131] Fernando Muro. “Enhanced A_∞ -obstruction theory”. English. In: *J. Homotopy Relat. Struct.* 15.1 (2020), pp. 61–112. ISSN: 2193-8407. DOI: 10.1007/s40062-019-00245-0.
- [132] Fernando Muro. *Enhanced A -infinity obstruction theory*. Preprint, arXiv:1510.00312 [math.AT] (2015). 2015. DOI: 10.1007/s40062-019-00245-0.
- [133] Fernando Muro. “Enhanced finite triangulated categories”. English. In: *J. Inst. Math. Jussieu* 21.3 (2022), pp. 741–783. ISSN: 1474-7480. DOI: 10.1017/S1474748020000250.
- [134] Fernando Muro. “Homotopy theory of non-symmetric operads. II: Change of base category and left properness”. English. In: *Algebr. Geom. Topol.* 14.1 (2014), pp. 229–281. ISSN: 1472-2747. DOI: 10.2140/agt.2014.14.229.
- [135] Fernando Muro. “Homotopy theory of nonsymmetric operads”. English. In: *Algebr. Geom. Topol.* 11.3 (2011), pp. 1541–1599. ISSN: 1472-2747. DOI: 10.2140/agt.2011.11.1541.

- [136] Fernando Muro. “Homotopy units in A -infinity algebras”. English. In: *Trans. Am. Math. Soc.* 368.3 (2016), pp. 2145–2184. ISSN: 0002-9947. DOI: 10.1090/tran/6545.
- [137] Fernando Muro. “Maltiniotis’s first conjecture for K_1 ”. English. In: *Int. Math. Res. Not.* 2008 (2008). Id/No rnm153, p. 31. ISSN: 1073-7928. DOI: 10.1093/imrn/rnm153.
- [138] Fernando Muro. “Massey products for algebras over operads”. English. In: *Commun. Algebra* 51.8 (2023), pp. 3298–3313. ISSN: 0092-7872. DOI: 10.1080/00927872.2023.2181780.
- [139] Fernando Muro. “Moduli spaces of algebras over nonsymmetric operads”. English. In: *Algebr. Geom. Topol.* 14.3 (2014), pp. 1489–1539. ISSN: 1472-2747. DOI: 10.2140/agt.2014.14.1489.
- [140] Fernando Muro. “On the functoriality of cohomology of categories”. English. In: *J. Pure Appl. Algebra* 204.3 (2006), pp. 455–472. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2005.05.004. URL: idus.us.es/xmlui/handle/11441/41897.
- [141] Fernando Muro. *On the proper homotopy type of locally compact A_n^2 -polyhedra*. Preprint, arXiv:math/0605213 [math.AT] (2006). 2006.
- [142] Fernando Muro. “On the unit of a monoidal model category”. English. In: *Topology Appl.* 191 (2015), pp. 37–47. ISSN: 0166-8641. DOI: 10.1016/j.topol.2015.05.006.
- [143] Fernando Muro. “Representation theory of some infinite dimensional algebras arising in continuously controlled algebra and topology.” English. In: *K-Theory* 33.1 (2004), pp. 23–65. ISSN: 0920-3036. DOI: 10.1007/s10977-004-1837-4. URL: idus.us.es/xmlui/handle/11441/41899.
- [144] Fernando Muro. “Suspensions of crossed and quadratic complexes, co-H-structures and applications”. English. In: *Trans. Am. Math. Soc.* 357.9 (2005), pp. 3623–3653. ISSN: 0002-9947. DOI: 10.1090/S0002-9947-04-03597-4.
- [145] Fernando Muro. “The first obstructions to enhancing a triangulated category”. English. In: *Math. Z.* 296.1-2 (2020), pp. 719–759. ISSN: 0025-5874. DOI: 10.1007/s00209-019-02438-y.
- [146] Fernando Muro and George Raptis. “A note on K -theory and triangulated derivators”. English. In: *Adv. Math.* 227.5 (2011), pp. 1827–1845. ISSN: 0001-8708. DOI: 10.1016/j.aim.2011.04.005.
- [147] Fernando Muro and Georgios Raptis. “ K -theory of derivators revisited”. English. In: *Ann. K-Theory* 2.2 (2017), pp. 303–340. ISSN: 2379-1683. DOI: 10.2140/akt.2017.2.303.
- [148] Fernando Muro and Oriol Raventós. “Transfinite Adams representability”. English. In: *Adv. Math.* 292 (2016), pp. 111–180. ISSN: 0001-8708. DOI: 10.1016/j.aim.2016.01.009.

- [149] Fernando Muro and Constanze Roitzheim. “Homotopy theory of bicomplexes”. English. In: *J. Pure Appl. Algebra* 223.5 (2019), pp. 1913–1939. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2018.08.007. URL: kar.kent.ac.uk/67611/1/bi_and_twisted_complexes_revision.pdf.
- [150] Fernando Muro, Stefan Schwede, and Neil Strickland. “Triangulated categories without models”. English. In: *Invent. Math.* 170.2 (2007), pp. 231–241. ISSN: 0020-9910. DOI: 10.1007/s00222-007-0061-2. URL: idus.us.es/xmlui/handle/11441/41893.
- [151] Fernando Muro and Andrew Tonks. “On K_1 of a Waldhausen category”. English. In: *K-theory and noncommutative geometry. Proceedings of the ICM 2006 satellite conference, Valladolid, Spain, August 31–September 6, 2006*. Zürich: European Mathematical Society (EMS), 2008, pp. 91–115. ISBN: 978-3-03719-060-9.
- [152] Fernando Muro and Andrew Tonks. “The 1-type of a Waldhausen K -theory spectrum”. English. In: *Adv. Math.* 216.1 (2007), pp. 178–211. ISSN: 0001-8708. DOI: 10.1016/j.aim.2007.05.008.
- [153] Fernando Muro and Andrew Tonks. “Unital associahedra”. English. In: *Forum Math.* 26.2 (2014), pp. 593–620. ISSN: 0933-7741. DOI: 10.1515/forum-2011-0130. URL: idus.us.es/handle/11441/41889.
- [154] Fernando Muro, Andrew Tonks, and Malte Witte. “On determinant functors and K -theory”. English. In: *Publ. Mat., Barc.* 59.1 (2015), pp. 137–233. ISSN: 0214-1493. DOI: 10.5565/PUBLMAT_59115_07.
- [155] Juan Núñez, Marithania Silvero, and María Trinidad Villar. “Mathematical tools for the future: graph theory and graphicable algebras”. English. In: *Appl. Math. Comput.* 219.11 (2013), pp. 6113–6125. ISSN: 0096-3003. DOI: 10.1016/j.amc.2012.12.004.
- [156] Ángel del Pozo Manglano and Pedro M. G. Manchón. “Braids for un-oriented pretzel links”. English. In: *J. Knot Theory Ramifications* 31.14 (2022). Id/No 2250089, p. 16. ISSN: 0218-2165. DOI: 10.1142/S0218216522500894.
- [157] Jozef H. Przytycki and Marithania Silvero. *Khovanov homology, wedges of spheres and complexity*. Preprint, arXiv:2305.18648 [math.GT] (2023). 2023.
- [158] Józef H. Przytycki and Marithania Silvero. “Geometric realization of the almost-extreme Khovanov homology of semiadequate links”. English. In: *Geom. Dedicata* 204 (2020), pp. 387–401. ISSN: 0046-5755. DOI: 10.1007/s10711-019-00462-0.
- [159] Józef H. Przytycki and Marithania Silvero. “Homotopy type of circle graph complexes motivated by extreme Khovanov homology”. English. In: *J. Algebr. Comb.* 48.1 (2018), pp. 119–156. ISSN: 0925-9899. DOI: 10.1007/s10801-017-0794-y.
- [160] Marithania Silvero. *Homogeneous links and closed homogeneous braids*. Preprint, arXiv:1310.3123 [math.GT] (2013). 2013.

- [161] Marithania Silvero. “On a conjecture by Kauffman on alternative and pseudoalternating links”. English. In: *Topology Appl.* 188 (2015), pp. 82–90. ISSN: 0166-8641. DOI: 10.1016/j.topol.2015.03.012.
- [162] Marithania Silvero. “Strongly quasipositive links with braid index 3 have positive Conway polynomial”. English. In: *J. Knot Theory Ramifications* 25.12 (2016). Id/No 1642015, p. 14. ISSN: 0218-2165. DOI: 10.1142/S0218216516420153.