

Scientific publications

Florin Panaite

- (1) *Ribbon and charmed elements for quasitriangular Hopf algebras*, **Comm. Algebra** 25(3), 973–977 (1997)
- (2) *When is the category of comodules a braided tensor category?* **Rev. Roum. Math. Pures Appl.** 42(1-2), 107–119 (1997) (with D. Ştefan)
- (3) *An example of quantum commutativity: the generalized Clifford algebra*, **Stud. Cerc. Mat.** 49(3-4), 225–229 (1997)
- (4) *Coalgebra deformations of bialgebras by Harrison cocycles*, **Bull. Belg. Math. Soc.** 4(5), 647–671 (1997) (with S. Caenepeel, S. Dăscălescu and G. Militaru)
- (5) *A Maschke-type theorem for quasi-Hopf algebras*, in “Rings, Hopf algebras and Brauer groups” (eds. S. Caenepeel and A. Verschoren), 201–207, **Lecture Notes in Pure and Appl. Math.** 197, Marcel Dekker, New York (1998)
- (6) *A generalization of the quasi-Hopf algebra $D^\omega(G)$* , **Comm. Algebra** 26(12), 4125–4141 (1998) (with D. Bulacu)
- (7) *Quasitriangular structures for some pointed Hopf algebras of dimension 2^n* , **Comm. Algebra** 27(10), 4929–4942 (1999) (with F. Van Oystaeyen)
- (8) *Quantum traces and quantum dimensions for quasi-Hopf algebras*, **Comm. Algebra** 27(12), 6103–6122 (1999) (with D. Bulacu and F. Van Oystaeyen)
- (9) *External homogenization for Hopf algebras. Applications to Maschke’s theorem*, **Algebr. Represent. Theory**, 2(3), 211–226 (1999) (with C. Năstăsescu and F. Van Oystaeyen)
- (10) *Equivalence of crossed coproducts*, **Bull. Belg. Math. Soc.** 6(2), 259–278 (1999)
- (11) *Quasi-Hopf algebra actions and smash products*, **Comm. Algebra** 28(2), 631–651 (2000) (with D. Bulacu and F. Van Oystaeyen)
- (12) *Quasi-Hopf algebras and the centre of a tensor category*, in “Hopf algebras and quantum groups” (eds. S. Caenepeel and F. Van Oystaeyen), 221–235, **Lecture Notes in Pure and Appl. Math.** 209, Marcel Dekker, New York (2000) (with F. Van Oystaeyen)
- (13) *Existence of integrals for finite dimensional quasi-Hopf algebras*, **Bull. Belg. Math. Soc.** 7(2), 261–264 (2000) (with F. Van Oystaeyen)
- (14) *Relating the Connes-Kreimer and Grossman-Larson Hopf algebras built on rooted trees*, **Lett. Math. Phys.** 51(3), 211–219 (2000)
- (15) *Clifford-type algebras as cleft extensions for some pointed Hopf algebras*, **Comm. Algebra** 28(2), 585–600 (2000) (with F. Van Oystaeyen)
- (16) *Deformation cohomology for Yetter-Drinfel’d modules and Hopf (bi)modules*, **Comm. Al-**

- gebra 30(1), 331–345 (2002) (with D. Ştefan)
- (17) *Hopf bimodules are modules over a diagonal crossed product algebra*, **Comm. Algebra** 30(8), 4049–4058 (2002)
- (18) *Quasi-Hopf algebras and representations of octonions and other quasialgebras*, **J. Math. Phys.** 45(10), 3912–3929 (2004) (with F. Van Oystaeyen)
- (19) *More properties of Yetter-Drinfeld modules over quasi-Hopf algebras*, in “Hopf algebras in noncommutative geometry and physics” (eds. S. Caenepeel and F. Van Oystaeyen), 89–112, **Lecture Notes in Pure and Appl. Math.** 239, Marcel Dekker, New York (2005) (with D. Bulacu and S. Caenepeel)
- (20) *Yetter-Drinfeld categories for quasi-Hopf algebras*, **Comm. Algebra** 34(1), 1–35 (2006) (with D. Bulacu and S. Caenepeel)
- (21) *Generalized diagonal crossed products and smash products for quasi-Hopf algebras. Applications*, **Comm. Math. Phys.** 266(2), 355–399 (2006) (with D. Bulacu and F. Van Oystaeyen)
- (22) *Some bialgebroids constructed by Kadison and Connes-Moscovici are isomorphic*, **Appl. Categ. Structures** 14(5-6), 627–632 (2006) (with F. Van Oystaeyen)
- (23) *L-R-smash product for (quasi-) Hopf algebras*, **J. Algebra** 309(1), 168–191 (2007) (with F. Van Oystaeyen)
- (24) *General twisting of algebras*, **Adv. Math.** 212(1), 315–337 (2007) (with J. Lopez and F. Van Oystaeyen)
- (25) *Extending lazy 2-cocycles on Hopf algebras and lifting projective representations afforded by them*, **J. Algebra** 313(2), 695–723 (2007) (with J. Cuadra)
- (26) *On some classes of lazy cocycles and categorical structures*, **J. Pure Appl. Algebra** 209(3), 687–701 (2007) (with M. D. Staic and F. Van Oystaeyen)
- (27) *A structure theorem for quasi-Hopf comodule algebras*, **Proc. Amer. Math. Soc.** 135(6), 1669–1677 (2007) (with F. Van Oystaeyen)
- (28) *Generalized (anti) Yetter-Drinfeld modules as components of a braided T-category*, **Israel J. Math.** 158(1), 349–366 (2007) (with M. D. Staic)
- (29) *Doubles of (quasi) Hopf algebras and some examples of quantum groupoids and vertex groups related to them*, in “Hopf algebras and generalizations” (eds. L. H. Kauffman, D. E. Radford and F. J. O. Souza), 91–115, **Contemporary Math.** 441, Amer. Math. Soc. (2007)
- (30) *Invariance under twisting*, in “New techniques in Hopf algebras and graded ring theory” (eds. S. Caenepeel and F. Van Oystaeyen), 85–104, Royal Flemish Academy, Belgium (2007) (with P. Jara, J. Lopez and F. Van Oystaeyen)
- (31) *On iterated twisted tensor products of algebras*, **Internat. J. Math.** 19(9), 1053–1101 (2008) (with P. Jara, J. Lopez and F. Van Oystaeyen)
- (32) *Quasialgebra tensor products and smash products*, in “Lie Theory and its applications in physics VII” (eds. H.-D. Doebner and V. K. Dobrev), 466–469, Heron Press, Sofia (2008) (with H. Albuquerque)
- (33) *On quasi-Hopf smash products and twisted tensor products of quasialgebras*, **Algebr. Rep-**

- resent. Theory** 12(2-5), 199–234 (2009) (with H. Albuquerque)
- (34) *A quotient of the braid group related to pseudosymmetric braided categories*, **Pacific J. Math.** 244(1), 155–167 (2010) (with M. D. Staic)
- (35) *Pseudosymmetric braidings, twines and twisted algebras*, **J. Pure Appl. Algebra** 214(6), 867–884 (2010) (with M. D. Staic and F. Van Oystaeyen)
- (36) *L-R-smash biproducts, double biproducts and a braided category of Yetter-Drinfeld-Long bimodules*, **Rocky Mount. J. Math.** 40(6), 2013–2024 (2010) (with F. Van Oystaeyen)
- (37) *Alternative twisted tensor products and Cayley algebras*, **Comm. Algebra** 39(2), 686–700 (2011) (with H. Albuquerque)
- (38) *Quasi-elementary H-Azumaya algebras arising from generalized (anti) Yetter-Drinfeld modules*, **Appl. Categ. Structures** 19(5), 803–820 (2011) (with F. Van Oystaeyen)
- (39) *Invariance under twisting for crossed products*, **Proc. Amer. Math. Soc.** 140(3), 755–763 (2012)
- (40) *More examples of invariance under twisting*, **Czechoslovak Math. J.** 62(1), 187–195 (2012)
- (41) *Some (Hopf) algebraic properties of circulant matrices*, **Algebra Discrete Math.** 13(1), 1–17 (2012) (with H. Albuquerque)
- (42) *More examples of pseudosymmetric braided categories*, **J. Algebra Appl.** 12(4) (2013), 1250186 (21 pages) (with M. D. Staic)
- (43) *L-R-smash products and L-R-twisted tensor products of algebras*, **Algebra Colloq.** 21(1), 129–146 (2014) (with M. Ciungu)
- (44) *Yetter-Drinfeld modules for Hom-bialgebras*, **J. Math. Phys.** 55, 013501 (2014) (17 pages) (with A. Makhlouf)
- (45) *Equivalent crossed products and cross product bialgebras*, **Comm. Algebra** 42(5), 1937–1952 (2014)
- (46) *Iterated crossed products*, **J. Algebra Appl.** 13(7) (2014), 1450036 (14 pages)
- (47) *BiHom-associative algebras, BiHom-Lie algebras and BiHom-bialgebras*, **Symmetry Integrability Geom. Methods Appl.** 11 (2015), 086, 34 pages (with G. Graziani, A. Makhlouf, C. Menini)
- (48) *Hom-L-R-smash products, Hom-diagonal crossed products and the Drinfeld double of a Hom-Hopf algebra*, **J. Algebra** 441, 314–343 (2015) (with A. Makhlouf)
- (49) *Twisting operators, twisted tensor products and smash products for Hom-associative algebras*, **Glasg. Math. J.** 58(3), 513–538 (2016) (with A. Makhlouf)
- (50) *A new way to iterate Brzezinski crossed products*, **Colloq. Math.** 142(1), 51–60 (2016) (with L. Dăuş)
- (51) *Structure theorems for bicomodule algebras over quasi-Hopf algebras, weak Hopf algebras and braided Hopf algebras*, **Comm. Algebra** 44(11), 4609–4636 (2016) (with J. Dello, F. Van Oystaeyen, Y. Zhang)
- (52) *Twisted algebras and Rota-Baxter type operators*, **J. Algebra Appl.** 16(4) (2017), 1750079 (18 pages) (with F. Van Oystaeyen)

- (53) *Hom-tensor categories and the Hom-Yang-Baxter equation*, arXiv:math.QA/1702.08475 (with P. Schrader and M. D. Staic)
- (54) *Rota-Baxter operators on BiHom-associative algebras and related structures*, arXiv:math.QA/1703.07275 (with L. Liu, A. Makhlouf, C. Menini)
- (55) *BiHom-pre-Lie algebras, BiHom-Leibniz algebras and Rota-Baxter operators on BiHom-Lie algebras*, arXiv:math.QA/1706.00474 (with L. Liu, A. Makhlouf, C. Menini)
- (56) *$\{\sigma, \tau\}$ -Rota-Baxter operators, infinitesimal Hom-bialgebras and the associative (Bi)Hom-Yang-Baxter equation*, arXiv:math.QA/1802.07287 (with L. Liu, A. Makhlouf, C. Menini)