

LISTĂ LUCRĂRI
dr. GEORGE CIPRIAN MODOI

- a) Articole publicate în reviste din fluxul științific internațional principal:
- a1. C. Modoi, *Equivalences induced by adjoint functors*, Communications in Algebra, 31 (2003), 2327–2355.
 - a2. A. Marcus, C. Modoi, *Graded endomorphism rings and equivalences*, Communications in Algebra, 31 (2003), 3219–3249.
 - a3. G. C. Modoi, *On perfectly generating projective classes in triangulated categories*, Communications in Algebra, 38 (2010), 995–1011.
 - a4. G.C. Modoi, *Localizations, colocalizations and non-additive star-objects*, Semigroup Forum, 81 (2010), 510–523.
 - a5. G. C. Modoi, *Generalized lax epimorphism in the additive case*, J. Pure Appl. Algebra, 215, issue 4, (2010), 697–704.
 - a6. G. C. Modoi, *A representability theorem for some huge abelian categories*, Homology, Homotopy and Applications, 14, issue 2 (2012), 23–36.
 - a7. G. C. Modoi, J. Stovicek, *Brown representability often fails for homotopy category of modules*, J. K-Theory, 9 (2012), 151–160.
 - a8. G. C. Modoi, *The dual of Brown representability for homotopy categories of complexes*, J. Algebra, 392 (2013), 115–124.
 - a9. G. C. Modoi, *The dual of the homotopy category of projective modules satisfies Brown representability*, B. Lond. Math. Soc., 46 (2014), 765–770.
 - a10. G. C. Modoi, *Constructing cogenerators in triangulated categories and Brown representability*, J. Pure Appl. Algebra, 219 (2015), 8, 3214–3224.
 - a11. S. Breaz, G. C. Modoi, *Nil-clean companion matrices*, Linear Alg. and Its Appl., 489 (2016), 50-60
 - a12. G. C. Modoi, *The dual of Brown representability for some derived categories*, Ark. Math. 54 (2016), 485–498.
- b) Teza de doctorat:

b1. G. C. Modoi, *Echivalențe de categorii de module și aplicații*, teză de doctorat domeniul Matematică, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca, îndrumător Profesor Dr. Ioan Purdea.

c) Cărți:

c1. Gr. Calugăreanu, S. Breaz, C. Modoi, C. Pelea and D. Vălcan, *Exercises in Abelian Group Theory*, Kluwer Academic Publishers, 2003.

c2. G. C. Modoi, *Echivalențe de categorii cu aplicații în teoria modulelor*, Editura EFES, Cluj-Napoca, 2006.

d) Alte lucrări și preprint-uri:

d1. A. Marcus, C. Modoi, *Groups of homomorphisms graded by G -sets*, Italian J. Pure Appl. Math., 8(2000).

d2. S. Breaz, C. Modoi, *Colimits in the category of A -solvable modules*, Mathematica(Cluj), 42(65), 2000, 121-128.

d3. S. Breaz, C. Modoi, *Abelian groups such that the class of adstatic modules is closed under submodules*, Mathematica(Cluj), 43(66), 2001, 145–149.

d4. C. Modoi, *Graded Gabriel topologies*, Proc. Algebra Symposium, (Cluj-Napoca, Romania, nov. 2001), Cluj-Napoca, 2002, 139–148.

d5. S. Breaz, C. Modoi, *On a quotient category*, Stud. Univ. Babeș-Bolyai Math, XLVII, (2002), 17–29.

d6. C. Modoi, *Modules over triangulated categories and localizations*, Stud. Univ. Math. "Babes-Bolyai", XLIX, (2004), 49–53.

d7. C. Modoi, *Compactly generated smashing subcategories*, Mathematica(Cluj), 46(69), no. 2 (2004), 181–186.

d8. S. Breaz, C. Modoi, *A reformulation of Brown Representability Theorem*, Mathematica(Cluj), 51(74), 2009, 129–133.

d9. S. Breaz, C. Modoi, F. Pop, *Natural equivalences and dualities*, International Conference in Modules and Representation Theory, Cluj University Press, 2009.

d10. S. Breaz, G. C. Modoi, *Ideal cotorsion theories in triangulated cate-*

gories, preprint, arXiv:1501.06810 [math.CT].

d11. S. Breaz, G. C. Modoi, *Equivalences induced by infinitely generated silting modules*, preprint, arXiv:1705.10981 [math.RT].

d12. S. Breaz, G. C. Modoi, *Derived equivalences induced by good silting complexes*, preprint, arXiv:1707.07353 [math.RT].

d13. G. C. Modoi, *Reasonable triangulated categories have filtered enhancements*, preprint, arXiv:1711.06331 [math.CT].

e) Citari (excluzând autocitările):

Lucrarea a1 este citată în:

e1. L. Angeleri Hügel, S. Bazzoni, *TTF triples in functor categories*, Appl. Categ. Struct., 18 (2010), 585–613.

e2. C. Pelea, I. Purdea, L. Stanca, *Fundamental relations in multialgebras. Applications*, Eur. J. Combin, 44 (2015), 287–297.

e3. C. Pelea, I. Purdea, L. Stanca, *Factor multialgebras, universal algebras and fuzzy sets*, Carpath. J. Math. 31 (2015), 111–118.

Lucrarea a2 este citată în:

e4. J. Chuang, J. Rickard, *A brief introduction to modular representation theory*, in L. Angeleri Hügel, D. Happel, H. Krause eds., *Handbook of Tilting Theory*, London Math. Soc. Lect. Notes, 332, Cambridge Univ. Press, 2007.

e5. F. Pop, *Closure properties associated to natural equivalences*, Indagationes Math., 24 (2013), 403–411.

Lucrarea a3 este citată în:

e6. M. Bondarko, *On torsion pairs, (well generated) weight structures, adjacent t -structures, and related (co)homological functors*, preprint arXiv:1611.00754 [math.KT].

Lucrarea a4 este citată în:

e7. C. Pelea, I. Purdea, L. Stanca, *Fundamental relations in multialgebras. Applications*, Eur. J. Combin, 44 (2015), 287–297.

e8. C. Pelea, I. Purdea, L. Stanca, *Factor multialgebras, universal algebras and fuzzy sets*, Carpath. J. Math. 31 (2015), 111–118.

Lucrarea a7 este citată în:

e9. S. Breaz, *Σ -pure injectivity and Brown representability*, Proc. Amer. Math. Soc., 143 (2015), 2789–2794.

Lucrarea a8 este citată în:

e10. S. Breaz, *Σ -pure injectivity and Brown representability*, Proc. Amer. Math. Soc., 143 (2015), 2789–2794.

Lucrarea a10 este citată în:

e11. M. Bondarko, V. Sosnilo, *On purely generated, α -smashing weight structures and weight exact localizations*, preprint arXiv:1712.00850 [math.KT].

Lucrarea a11 este citată în:

e12. S. Breaz, G. Calugareanu, *Sum of nilpotent matrices*, Linear and Multilin. Alg., 65 (2017), 67-78.

e13. S. Breaz, *Endomorphisms of free modules as sum a four quadratic endomorphisms*, Linear and Multilin. Alg. (2017)
<https://doi.org/10.1080/03081087.2017.1389853>.

e14. A. Cimpean, P. Danchev, *Weakly nil-clean index and uniquely weakly nil-clean rings*, Intern. Elect. J. Algebra, 21 (2017) 180–197.

Lucrarea a12 este citată în:

e15. S. Breaz, *Σ -pure injectivity and Brown representability*, Proc. Amer. Math. Soc., 143 (2015), 2789–2794.

e16. C. Psaroudakis, J. Vitoria, *Realization functors in tilting theory*, Math. Z. (2017), <https://doi.org/10.1007/s00209-017-1923-y>.

e17. C. E. Parra, J. Vitoria, *Properties of abelian categories, via recollements*, preprint arXiv:1710.04632 [math.CT].

Lucrarea c1 este citată în:

e18. V. Totik, *On a problem of Mityagin*, J. Approx. Theory, 218 (2017),

1–8.

e19. R. Andruszkiewicz, *On a square subgroup of a mixed SI-group*, Proc. Edinburgh Math. Soc., (2018), <https://doi.org/10.1017/S0013091517000165>.

Lucrarea d5 este citată în:

e20. U. Albrecht, S. Breaz, W. Wickless, *The finite quasi-Baer property*, J. Algebra, 293 (2005), 1–16.

e21. S. Breaz, *The quasi-Baer splitting property for mixed abelian groups*, J. Pure Appl. Alg., 191 (2004), 75–87.

e22. S. Breaz, *Quasi-decompositions of self small abelian groups*, Comm. Algebra, 32 (2004), 1373–1384.

e23. S. Breaz, *Self-small abelian groups as modules over their endomorphism rings*, Comm. Algebra, 31 (2003), 4911–4924.

e24. S. Breaz, *A Morita type theorem for a sort of quotient categories*, Czech. Math. J., 55 (2005), 133–144.

e25. F. Pop, *Natural dualities between abelian categories*, Central Eur. J. Math., 9 (2011), 1088–1099.

Lucrarea d9 este citată în:

e26. F. Pop, *Closure properties associated to natural equivalences*, Indagationes Math., 24 (2013), 403–411.

e27. F. Pop, *Natural dualities between abelian categories*, Central Eur. J. Math., 9 (2011), 1088–1099.

e28. F. Pop, *Cplexes in abelian categories*, Stud. Univ. Babeş-Bolyai Math., 62 (2017), 3–13.

Lucrarea d10 este citată în:

e29. S Breaz, J Žemlička, *Torsion classes generated by silting modules*, preprint arXiv:1601.06655 [math.RT].

e30. T Zhao, Z Huang, *Phantom Ideals and Cotorsion Pairs in Extriangulated Categories*, preprint arXiv:1611.00477 [math.RT].

Lucrarea d11 este citată în:

e31. F. Pop, *Finitely cosilting modules*, preprint arXiv:1712.00817 [math.RA].

Lucrarea d12 este citată în:

e32. F. Pop, *Finitely cosilting modules*, preprint arXiv:1712.00817 [math.RA].

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