

# СПИСЪК НА НАУЧНИТЕ ПУБЛИКАЦИИ

на доц. д-р Йорг Копиц

представени за участие в конкурс за професор

в област на висше образование: 4. Природни науки, математика и информатика, професионално направление: 4.5. Математика, научна специалност „Алгебра (Полугрупи от преобразувания)”

обявен в Държавен вестник № 84 от 21.10.2022 г.

(1) **Koppitz J.**, T. Musunthia. The rank of the inverse semigroup of partial automorphisms on a finite fence. Semigroup Forum, 102, 2, Springer, 2021, ISSN:0037-1912, DOI: <https://doi.org/10.1007/s00233-020-10150-1>, 437-455.

**Impact factor: 0.768**

**Zbl 07333917**

(2) Dimitrova I., **J. Koppitz**. On relative ranks of finite transformation semigroups with restricted range. Ukrainian Mathematical Journal, 73, 5, Springer Science+Business Media, 2021, ISSN:00415995, DOI:10.1007/s11253-021-01955-6, 718-730.

**Impact factor: 0.446**

**Zbl 07441687**

(3) Dimitrova I., **J. Koppitz**. On relative ranks of the semigroup of orientation-preserving transformations on infinite chains. Asian-European Journal of Mathematics, 14, 8, World Scientific, 2021, ISSN:1793-5571, DOI:10.1142/S1793557121501461, 2150146-1-2150146-

**Impact factor: 0.294**

**Zbl 1491.20128**

(4) Dimitrova I., V. H. Fernandes, **J. Koppitz**, T. M. Quinteiro. Partial automorphisms and injective partial endomorphisms of a finite undirected path. Semigroup Forum, 103, 1, Springer, 2021, ISSN:0037-1912, DOI:10.1007/s00233-021-10193-y, 87-105.

**Impact factor: 0.768**

**Zbl 1467.05137**

(5) Phusanga D., J. Joomwong, S. Jino, **J. Koppitz**. All idempotent and regular elements in the monoid of generalized hypersubstitutions for algebraic systems of type (2; 2). Asian-European Journal of Mathematics, 14, 02, World Scientific, 2021, ISSN:1793-5571, DOI:10.1142/S1793557121500157, 2150015-1-2150015-9.

**Impact factor: 0.294**

**Zbl 1477.08007**

(6) Anantayasethi A., **J. Koppitz**. The Algebraic Structure of a Semigroup of Sets of Transformations with Restricted Range. Thai Journal of Mathematics, 18, 4, 2020, ISSN:1686-0209, 1701-1713.

**Impact factor: 0.179**

**Zbl 1491.20125**

(7) Dimitrova I., V. H. Fernandes, **J. Koppitz**, T. M Quinteiro. Ranks of Monoids of Endomorphisms of a Finite Undirected Path. Bulletin of the Malaysian Mathematical Sciences Society, 43, 2, Springer, 2020, ISSN:0126-6705, DOI:<https://doi.org/10.1007/s40840-019-00762-4>, 1623-1645.

**Impact factor: 0.856**

**Zbl 1434.05081**

(8) Zhuchok A.V., Yu.V. Zhuchok, **J. Koppitz**. Free rectangular doppelsemigroups. Journal of Algebra and Its Applications, 19, 11, World Scientific Publishing Company, 2020, ISSN:0219-4988, DOI:[doi.org/10.1142/S0219498820502059](https://doi.org/10.1142/S0219498820502059)

**Impact factor: 0.61**

**Zbl 1454.08010**

(9) Fernandes V., **J. Koppitz**, T. Musunthia. The Rank of the Semigroup of All Order Preserving Transformations on a Finite Fence. Bulletin of the Malaysian Mathematical Sciences Society, 42, 5, Springer, 2019, ISSN:0126-6705, DOI:10.1007/s40840-017-0598-1, 2191-2211. **Impact factor: 0.867**

**Zbl 1454.20110**

(10) Zhuchok Y., **J. Koppitz**. Representations of ordered doppelsemigroups by binary relations. Algebra and Discrete Mathematics, 27, 1, Institute of Applied Mathematics And Mechanics of the National Academy of Sciences of Ukraine, 2019, ISSN:1726-3255, 144-154.

**Impact factor: 0.241**

**Zbl 1448.08003**

(11) Zhuchok, A.V., **Koppitz, J.** Free products of n-tuple semigroups (engl.). Ukrainian Mathematical Journal, 70, 11, Springer, 2019, ISSN:0041-5995, DOI:10.1007/s11253-019-01601-2, 1710-1726.

**Impact Factor: 0.362**

**Zbl 1450.20017**

(12) Worawiset S., **Koppitz, J.**, S. Chotchaisthit. The class of all semigroups related to semihypergroups of order 2. Mathematica Slovaca, 69, 2, De Gruyter, 2019, ISSN:1337-2211, DOI:10.1515/ms-2017-0229, 371-380.

**Impact factor: 0.314**

**Zbl 07093112**

(13) Anantayasethi, A., **Koppitz, J.** Relations on a Semigroup of Sets of Transformations with Restricted Range. Comptes rendus de l'Acad'emie bulgare des Sciences, 70, 12, Proceedings of BAS, 2017, ISSN:1310-1331, 1621-1626.

**Impact factor: 0.27**

**Zbl 1399.20074**

(14) Dimitrova, I, **Koppitz, J**, Lohapan, L. Generating Sets of Semigroups of Partial Transformations Preserving a Zig-Zag Order on N. International Journal of Pure and Applied Mathematics, 117, 2, Sofia : Academic Publications, 2017, ISSN:1311-8080, DOI:10.12732/ijpam.v117i2.4, 279-289.

**Impact Factor: 0.299**

(15) Dimitrova, I, **Koppitz, J.** On the semigroup of all partial fence-preserving injections on a finite set. Journal of Algebra and Its Applications, 18, 12, World Scientific Publishing Company, 2017, ISSN:0219-4988, DOI:10.1142/S0219498817502231, 1750223-1750236.

**Impact factor: 0.489**

**Zbl 1429.20045**

(16) Anantayasethi, Ananya, **Koppitz, Jörg.** On a semigroup of sets of transformations with restricted range.. Thai J. Math., 14, 3, 2016, ISSN:1686-0209, 667-676.

**Impact factor: 0.249**

**Zbl 1364.20043**

(17) Slavcho Shtrakov, **Jörg Koppitz.** Stable varieties of semigroups and groupoids. Algebra Universalis, 75, 1, Springer International Publishing, 2016, ISSN:0002-5240, DOI:10.1007/s00012-015-0359-7, 85-106

**Impact factor: 0.536**

**Zbl 1339.20054**