

LIST OF RICHARD WIEGANDT'S PUBLICATIONS

(complete as of January 1, 2012)

Reviewed publications:

- 1) On complete semigroups, *Acta Sci. Math.* Szeged, 19 (1958), 93–97; MR20#2387, Zbl.85.252.
- 2) On complete semimodules, *Acta Sci. Math.* Szeged, 19 (1958), 219–223; MR20#6476, Zbl.85.253.
- 3) On the general theory of Möbius inversion formula and Möbius product, *Acta Sci. Math.* Szeged, 20 (1959), 164–180; MR21#7176, Zbl.87.27.
- 4) Bemerkung über die einstufig nichtregulären Ringe, *Acta Sci. Math.* Szeged, 21 (1960), 350–352; MR#A3156, Zbl.102.276.
- 5) Bemerkung zu einer Arbeit von Herrn Steinfeld, *Acta Sci. Math.* Szeged, 23 (1962), 74–75; MR26#3739, Zbl.215.380.
- 6) Über die Struktursätze von Halbringen, *Annales Univ. Sci. Budapest.*, 5 (1962), 51–68; MR26#6218, Zbl.123.9.
- 7) Über halbeinfache linear kompakte Ringe, *Studia Sci. Math. Hungar.*, 1 (1966), 31–38; MR34#5885, Zbl.145.267.
- 8) Über linear kompakte reguläre Ringe, *Bull. Acad. Polon. Sci.*, 13 (1965), 445–446; MR32#163, Zbl.138.265.
- 9) Über transfinit nilpotente Ringe, *Acta Math. Acad. Sci. Hungar.*, 17 (1966), 101–114; MR34#210, Zbl.138.264.
- 10) Über lokal linear kompakte Ringe, *Acta Sci. Math.* Szeged, 28 (1967), 255–260; MR36#3834, Zbl.153.367.
- 11) Vizsgálatok a lineárisan kompakt gyűrűk elméletében (Beiträge zur Theorie der linear kompakten Ringe) I, *MTA III. Oszt. Közl.*, 16 (1966), 239–267; MR38#585, Zbl.209.342.
- 12) Vizsgálatok a lineárisan kompakt gyűrűk elméletében (Beiträge zur Theorie der linear kompakten Ringe) II, *MTA III. Oszt. Közl.*, 16 (1966), 333–363; MR38#585, Zbl.209.342.
- 13) (with O. Steinfeld): Über die Verallgemeinerungen und Analoga der Wedderburn–Artinschen und Noetherschen Struktursätze, *Math. Nachr.*, 34 (1967), 143–156; MR36#1495, Zbl.149.279.
- 14) Radical and semisimplicity in categories, *Acta Math. Acad. Sci. Hungar.*, 19 (1968), 345–364; MR38#5882, Zbl.162.327.
- 15) On compact objects in categories, *Publ. Math. Debrecen*, 15 (1968), 267–281; MR38#4546, Zbl.174.301.
- 16) (with F. Szász): On the dualization of subdirect embeddings, *Acta Math. Acad. Sci. Hungar.*, 20 (1969), 289–302; MR40#2739, Zbl.192.339.
- 17) (with F. Szász): On the duality of radical and semisimple classes in categories, *Acta Math. Acad. Sci. Hungar.*, 21 (1970), 175–182; MR41#8491, Zbl.211.31.
- 18) On subdirect embeddings in categories, *Fund. Math.*, 68 (1970), 7–12; MR41#6938, Zbl.196.34.

- 19) A note on Kurosh–Amitsur radical properties, *Annales Univ. Sci. Budapest.*, 12 (1969), 63–65; MR41#255, Zbl.191.34.
- 20) On the socle of an object in categories, *Acta Sci. Math.*, Szeged, 31 (1970), 245–251; MR43#3326, Zbl.284.18006.
- 21) A note on compact objects, *Publ. Math. Debrecen*, 18 (1971), 99–102; MR46#5416, Zbl.249.18002.
- 22) Local and residual properties in bicategories, *Acta Sci. Math.*, Szeged, 32 (1971), 195–205; MR47#6809, Zbl.216.76.
- 23) Structure theorems for objects, *Publ. Math. Debrecen*, 19 (1972), 191–198; MR50#13184, Zbl.267.18003.
- 24) A note on lower radicals, *Annales Univ. Sci. Budapest.*, 13 (1970), 165–166; MR47#265, Zbl.207344.
- 25) On the structure of lower radical semigroups, *Czechoslovak Math. J.*, 22 (1972), 1–6; MR45#2064, Zbl.238.2001.
- 26) On structure spaces, *Studia Sci. Math. Hungar.*, 6 (1971), 205–209, MR48#5940, Zbl.237.18001.
- 27) Radical–semisimple classes, *Periodica Math. Hungar.*, 3 (1973), 243–245; MR48#6159, Zbl.263.16007.
- 28) (with F. Szász): On hereditary radicals, *Periodica Math. Hungar.*, 3 (1973), 235–241; MR48#6158, Zbl.263.16006; Correction: *ibidem*, 6 (1975), 21; MR51#5645, Zbl.301.16007.
- 29) Radicals coinciding with the Jacobson radical on linearly compact rings, *Beiträge Alg. und Geom.*, Halle, 1 (1971), 195–199; MR46#1831, Zbl.228.16004.
- 30) Homomorphically closed semisimple classes, *Studia Univ. Babeş–Bolyai, Cluj*, 17 (1972), no 2, 17–20; MR49#5031, Zbl.351.16003.
- 31) Semisimple properties preserved by surjections, *Coll. Math. Soc. J. Bolyai 6, Rings, Modules, and Radicals, Keszthely, 1971*, North-Holland, 1973, 507–514; MR52#13996, Zbl.267.18002.
- 32) (with Eqbal Ahmed): On lower radicals of semigroups, *Math. Nachr.*, 57 (1973), 163–167; MR48#11378, Zbl.229.20059.
- 33) (with M. A. Rashid): The hereditariness of the upper radical, *Acta Math. Acad. Sci. Hungar.*, 24 (1973), 343–347, MR#482173, Zbl.271.18003.
- 34) (with A. V. Arhangel’skiĭ): Connectednesses and disconnectednesses in topology, *General Topology & Appl.*, 5 (1975), 9–33; MR51#4162, Zbl.329.54008.
- 35) • On linearly compact primitive and semisimple rings, *Appendix to M. Petrich: Rings and semigroups, Springer Lecture Notes in Math.*, 380 (1974), 152–166; MR49#7288, Zbl.278.20068.
- 36) • *Radical and semisimple classes of rings*, Queen’s Papers in Pure & Appl. Math. 37, Kingston Ontario, 1974, pp iv+248; MR50#2227, Zbl.324.16006.
- 37) On N-radicals, *J. Nat. Sci. & Math.*, Lahore, 13 (1973), 255–262; MR54#10314, Zbl.321.16007.
- 38) (with E. Fried): Connectednesses and disconnectednesses of graphs, *Algebra Universalis*, 5 (1975), 411–428; MR56#15474, Zbl.08002.
- 39) A general radical theory and its application in topology and graph theory, *Stud. Alg. und Anwend. 1, Universale Algebren und Theorie der Radikale*, Berlin, 1976, 77–84; MR56#11868, Zbl.343.08001.
- 40) A condition in general radical theory and its meaning for rings, topological

- spaces and graphs, *Acta Math. Acad. Sci. Hungar.*, 26 (1975), 233–240; MR53#5426, Zbl.321.16008.
- 41) Characterization of the Baer radical by almost nilpotent rings, *Publ. Math. Debrecen*, 23 (1976), 15–17; MR54#2715, Zbl.34716.004; Correction: *ibidem*, 25 (1978), 327–328; MR80k:16014, Zbl.392.16006.
 - 42) (with L. Márki and P. N. Stewart): Radicals and decomposability of semigroups and rings, *Annales Univ. Sci. Budapest.*, 18 (1975), 27–36; MR55#391, Zbl.331.16007.
 - 43) Radicals defined by means of elements, *Österreich. Akad. Wiss., math.-naturw. Kl., S.-ber., Abt. II*, 184 (1975), 117–125; MR55#393, Zbl.333.16008.
 - 44) (with J. Wiesenbauer): Über die Unabhängigkeit der Distributivitätsbedingungen, *Atti Accad. Naz. Rend. Cl. Fis. Mat. Natur.*, Roma, 58 (1975), 819–822; MR57#12354, Zbl.346.08006.
 - 45) (with L. C. A. van Leeuwen and C. Roos): Characterizations of semisimple classes, *J. Austral. Math. Soc. Ser. A*, 23 (1977), 172–182; MR56#3045, Zbl.356.16003.
 - 46) (with A. Widiger): Theory of radicals for hereditarily artinian rings, *Acta Sci. Math.*, Szeged, 39 (1977), 305–312; MR58#16748, Zbl.347.16005.
 - 47) (with L. Rédei and O. Steinfeld): Die wissenschaftliche Tätigkeit von Andor Kertész, *Publ. Math. Debrecen*, 23 (1976), 1–9; MR53#12844, Zbl.348.01015.
 - 48) (with L. C. A. van Leeuwen): Three examples concerning the lower radical construction, *Periodica Math. Hungar.*, 9 (1978), 121–126; MR57#3182, Zbl.328.16007.
 - 49) (with W. G. Leavitt): Torsion theory for not necessarily associative rings, *Rocky Mountain J. Math.*, 9 (1979), 259–271; MR80d:17005, Zbl.421.17001.
 - 50) (with L. C. A. van Leeuwen): Constructions and compositions of radical and semisimple classes, *Annales Univ. Sci. Budapest.*, 21 (1978), 65–75; MR80f:16014, Zbl.388.16005.
 - 51) (with C. G. Chehata): Radical theory for fully ordered groups, *Mathematica*, Cluj, 20 (1978), 143–157; MR80g:06020, Zbl.409.06008.
 - 52) (with P. N. Anh): Linearly compact semisimple rings and regular modules, *Math. Japonica*, 23 (1978), 335–338; MR80d:16026, Zbl.404.16025.
 - 53) (with T. Anderson): Weakly homomorphically closed semisimple classes, *Acta Math. Acad. Sci. Hungar.*, 34 (1979), 329–336; MR81c:17007, Zbl.429.17002.
 - 54) (with E. Fried): Abstract relational structures and their torsion theory, *Contr. to General Algebra*, J. Heyn, Klagenfurt, 1979, 97–111; MR80e:18006, Zbl.402.18007.
 - 55) (with L. C. A. van Leeuwen): Radicals, semisimple classes and torsion theories, *Acta Math. Acad. Sci. Hungar.*, 36 (1980), 37–47; MR82j:17004, Zbl.466.17004.
 - 56) (with E. Fried): Abstract relational structures I, (General theory), *Algebra Universalis*, 15 (1982), 1–21; MR83i:18017a, Zbl.501.18002.
 - 57) (with E. Fried): Abstract relational structures II, (Torsion theory), *Algebra Universalis*, 15 (1982), 22–39; MR83i:18017b, Zbl.501.18003.
 - 58) (with L. Márki): On semisimple classes of semigroups with zero, Semi-

- groups, *Springer Lecture Notes in Math.*, 855 (1981), 55–72; MR82g:20095, Zbl.452.20061.
- 59) (with T. Anderson): Semisimple classes of alternative rings, *Proc. Edinburgh Math. Soc.*, 25 (1982), 21–26; MR84f:17011, Zbl.477.17006.
- 60) Semisimple classes and H-relations, *Studia Sci. Math. Hungar.*, 13 (1978), 181–185; MR83a:16009, Zbl.423.16004.
- 61) (with T. Anderson): On essentially closed classes of rings, *Annales Univ. Sci. Budapest.*, 24 (1981), 107–111; MR87m:16018, Zbl.487.16004.
- 62) (with L. C. A. van Leeuwen): Semisimple and torsionfree classes, *Acta Math. Acad. Sci. Hungar.*, 38 (1981), 73–81; MR83h:17005, Zbl.481.17002.
- 63) (with Ju. M. Rjabuhin): On special radicals, supernilpotent radicals and weakly homomorphically closed classes, *J. Austral. Math. Soc.*, Series A, 31 (1981), 152–162; MR82k:16009, Zbl.464.16004.
- 64) (with P. N. Stewart): Quasi-ideals and bi-ideals in radical theory of rings, *Acta Math. Acad. Sci. Hungar.*, 39 (1982), 289–294; MR84i:16010, Zbl.519.16006.
- 65) (with B. J. Gardner): Characterizing and constructing special radicals, *Acta Math. Acad. Sci. Hungar.*, 40 (1982), 73–83; MR84a:16009, Zbl.504.16004.
- 66) (with L. Márki): Remarks on radicals in categories, *Category Theory, Springer Lecture Notes in Math.*, 962 (1982), 190–196; MR84a:18019, Zbl.502.1803.
- 67) (with W. Lex): Torsion theory for acts, *Studia Sci. Math. Hungar.*, 16 (1981), 263–280; MR85g:08004a, Zbl.488.20053.
- 68) (with G. Betsch): Non-hereditary semisimple classes of near-rings, *Studia Sci. Math. Hungar.*, 17 (1982), 69–75; MR85m:16020, Zbl.507.16023.
- 69) Near-rings and radical theory, *Conf. on Near-rings and Near-fields*, San Benedetto del Tronto, Italy, 1981, 49–58; MR84e:16024, Zbl.502.16028.
- 70) (with I. A. Amin): Torsion and torsionfree classes of acts, *Contr. to General Algebra 2*, B. G. Teubner, Stuttgart and Hölder-Pichler-Tempsky, Wien, 1983, 19–34; MR85g:08004a, Zbl.546.20059.
- 71) (with N. V. Loi): Small ideals and the Brown–McCoy radical, *Coll. Math. Soc. J. Bolyai 38, Radical Theory, Eger 1982*, North-Holland, 1985, 253–264; MR88j:16012, Zbl.585.16003.
- 72) (with A. Suliński): Radicals of rings graded by abelian groups, *Coll. Math. Soc. J. Bolyai 38, Radical Theory, Eger 1982*, North-Holland, 1985, 607–617; MR88f:16013, Zbl.586.16001.
- 73) (with M. M. Parmenter and P. N. Stewart): On the Groenewald–Heyman strongly prime radical, *Quaest. Math.*, 7 (1984), 225–240; MR86:16011, Zbl.554–16005.
- 74) (with S. Veldsman): On the existence and non-existence of complementary radical and semisimple classes, *Quaest. Math.*, 7 (1984), 213–224; MR86c:18004, Zbl.592.18004.
- 75) (with T. Anderson and K. Kaarli): Radicals and subdirect decompositions, *Comm. in Algebra*, 13 (1985), 479–494; MR86d:16010, Zbl.553.16004.
- 76) (with P. N. Anh and N. V. Loi): On the radical theory of Andrunakievich varieties, *Bull. Austral. Math. Soc.*, 31 (1985), 257–269; MR87e:17007, Zbl.574.17001.
- 77) (with B. de la Rosa): Characterizations of the Brown–McCoy radical, *Acta Math. Hungar.*, 46 (1985), 129–132; MR87d:17002, Zbl.588.17003.

- 78) (with N. V. Loi): Involution algebras and the Anderson–Divinsky–Suliński property, *Acta Sci. Math.*, Szeged, 50 (1986), 5–14; MR88a:16017, Zbl.611.17002.
- 79) (with P. N. Ánh): Semisimple classes of nonassociative rings and Jordan algebras, *Comm. in Algebra*, 13 (1985), 2669–2690; MR87c:17008, Zbl.579.17004.
- 80) On the commutativity of certain semigroups, *Theory of Semigroups, Proc. Greifswald Conf.* 1984, 125–127; MR87c:20099, Zbl.654.20069.
- 81) On subdirectly irreducible near-rings which are fields, *Proc. Conf. on Near-rings and Near-fields, Tübingen, Germany, 1985*, North-Holland, 1987, 295–298; MR88e:160059, Zbl.615.16024.
- 82) On rings with subsets satisfying permutation identities, *Karachi J. Math.*, 3 (1985), 1–7; Zbl.646.16027.
- 83) • (editor with L. Márki): *Colloquia Mathematica Societatis János Bolyai 38, Radical Theory, Eger 1982*, North-Holland, 1985; MR88e:16001, Zbl.5750009.
- 84) Radical theory of rings, *Math. Student*, 51 (1983), 145–185; MR90m:16011, Zbl.711.16010.
- 85) (with L. Márki and R. Mlitz): A general Kurosh–Amitsur radical theory, *Comm. in Algebra*, 16 (1988), 249–305; MR89h:18007, Zbl.646.08006.
- 86) (with L. Márki and R. Mlitz): A note on radical and semisimple classes of topological rings, *Acta Sci. Math.*, Szeged, 51 (1987), 145–151; MR88j:16052, Zbl.645.16027.
- 87) (with B. de la Rosa): On dual radicals and ring elements, *J. Austral. Math. Soc. Series A*, 44 (1988), 164–170; MR88m:16008, Zbl.643.16003.
- 88) (with L. Márki): Basic concepts of Kurosh–Amitsur radicals in various structures, a historical survey, *Contr. to General Algebra 4, Proc. Krems Conf. 1985*, B. G. Teubner, Stuttgart and Hölder-Pichler-Tempsky, Wien, 1987, 111–124; MR89e:16017, Zbl.683.16004.
- 89) (with T. Anderson and K. Kaarli): On left strong radicals of near-rings, *Proc. Edinburgh Math. Soc.*, 31 (1988), 447–456; MR89i:16034, Zbl.619.16023.
- 90) • Sections 42, 55, 56, 77, 78, 80 and 81 in A. Kertész: *Lectures on Artinian Rings*, edited by R. Wiegandt, Akadémiai Kiadó, Budapest, 1987; MR88m:16016, Zbl.681.16001.
- 91) Recent results in the general radical theory of rings and ring-like structures, *Rings, Modules and Radicals, Proc. Hobart Conf. 1987, Pitman Res. Notes in Math.* 204, Longman Sci. & Tech., 1989, 153–171; MR91b:16023, Zbl.672.16005.
- 92) (with K. I. Beidar): Splitting theorems for nonassociative rings, *Publ. Math. Debrecen*, 38 (1991), 121–143; MR92a:17003, Zbl.726.17003.
- 93) On splitting torsion theories of acts, *Contr. to General Algebra 6*, B. G. Teubner Stuttgart, Hölder-Pichler-Tempsky Wien, 1988, 311–316; MR91k:20080, Zbl.669.20053.
- 94) On split null extensions in radical theory, *Radical Theory, Proc. 1988 Sendai Conf.*, Uchida Rokakuho, Tokyo 1989, 143–151; MR90d:16008, Zbl.726.16015.
- 95) (with N. V. Loi): On involution rings with minimum condition, *Ring Theory, Israel Conf. Proc.*, 1 (1989), 206–214; MR91c:16036, Zbl.739.16022.

- 96) Kurosh–Amitsur radical theory for acts, *Karachi J. Math.*, 5 (1989), 1–7; Zbl.739.20031.
- 97) (with K. I. Beidar): Rings with involution and chain conditions, *J. Pure & Appl. Algebra*, 87 (1993), 205–220; MR94g:16030, Zbl.787.16021.
- 98) Splitting theorems in algebra, *Contr. General Algebra* 7, Hölder-Pichler-Tempsky Wien, B. G. Teubner Stuttgart, 1991, 361–371; MR93b:17002, Zbl.747.16006.
- 99) (with B. de la Rosa and Julia van Niekerk): A concrete analysis of the radical concept, *Math. Pannonica*, 3(2) (1992), 3–15; Correction: *ibidem*, 4/1 (1993), 151; MR94i:16010, Zbl.783.16011 and 791.16018.
- 100) (with P. N. Ánh): Morita duality for Grothendieck categories, *J. Algebra*, 168 (1994), 273–293; MR95h:18011, Zbl.808.18006.
- 101) (with H. J. Weinert): A Kurosh–Amitsur radical theory for proper semifields, *Comm. in Algebra*, 20 (1992), 2419–2458; MR93h:12006, Zbl.771.16016.
- 102) (with H. J. Weinert): Complementary radical classes of proper semifields, *Coll. Math. Soc. J. Bolyai 61, Theory of Radicals, Szekszárd 1991*, North-Holland 1993, 297–310; MR94i:12005, Zbl.805.16040.
- 103) (with B. de la Rosa and S. Veldsman): On the theory of Plotkin radicals, *Chinese J. Math.*, 21 (1993), 33–54; MR95c:17007, Zbl.791.16017.
- 104) (with Y. Fong): Subdirect irreducibility and radicals, *Quaest. Math.*, 16 (1993), 103–113; MR94g:17002, Zbl.786.17003.
- 105) (with P. H. Lee): On radicals and rings with involution, *P.U.M.A. Ser. A*, 3 (1992), 219–224; MR94i:17005, Zbl.787.17002.
- 106) (with Y. Fong and S. Veldsman): Radical theory in varieties of near-rings in which the constants form an ideal, *Comm. in Algebra*, 21 (1993), 3369–3384; MR94e:16052, Zbl.798.16033, Corrigendum: *ibidem*, 22 (1994), 3197–3198; MR95b:16047, Zbl.818.16033.
- 107) (with B. de la Rosa and Y. Fong): Complementary radicals revisited, *Acta Math. Hungar.*, 65 (1994), 253–264; MR95f:16021, Zbl.821.16022.
- 108) (with Y. Fong and F. K. Huang): Radical theory for group semiautomata, *Acta Cybernetica*, 11 (1994), 169–188; MR95g:68076, Zbl.820.20074.
- 109) (with C. Roos): On the radical theory of graded rings which are inversive hemirings, *Studia Sci. Math. Hungar.*, 32 (1996), 107–117; MR97h:16064, Zbl.854.16029.
- 110) • (editor with L. Márki): *Colloquia Mathematica Societatis János Bolyai, 61, Theory of Radicals, Szekszárd 1991*, North-Holland 1993; MR94d:16001, Zbl.778.00029.
- 111) On the structure of involution rings with chain condition, *Tap Chí Toán Học (J. Math., Vietnam Math. Soc.)*, 21 (1993), 1–12; MR96i:16053.
- 112) On powers of radicals, *Kyungpook Math. J.*, 34 (1994), 227–228; MR1325601(MathSciNet), Zbl.831.16009.
- 113) (with K. I. Beidar): Кольца с инволюцией и условиями на цепи би-идеалов (Rings with involution and chain conditions on bi-ideals), *Усп. Мат. Наук*, 48, 5(293), (1993), 159–160; English translation: *Russian Math. Surv.*, 48 #5, 161–162 (1993); MR1258762(MathSciNet), Zbl.826.16031.
- 114) (with R. Mlitz): Semisimple classes of hypernilpotent and hyperconstant near-ring radicals, *Archiv Math.*, 63 (1994), 414–419; MR95i:16050,

- Zbl.811.16037.
- 115) A note on supplementing radicals, *Northeast. Math. J.*, 11 (1995), 476–482; MR97c:16026, Zbl.861.16014.
- 116) (with S. Tumurbat): On the lattice of strongly hereditary radicals, *Contr. to General Algebra 9, Proc. Linz Conf. 1994*, Hölder-Pichler-Tempsky Wien, B. G. Teubner Stuttgart, 1995, 309–312; MR98g:00020, Zbl.890.16012.
- 117) (with H. J. Weinert): On the structure of semifields and lattice-ordered groups, *Periodica Math. Hungar.*, 32 (1996), 129–147; MR97g:12011, Zbl.896.12001.
- 118) (with G. F. Birkenmeier): Essential covers and complements of radicals, *Bull. Austral. Math. Soc.*, 53 (1996), 261–266; MR97b:16026, Zbl.849.16020.
- 119) (with R. Mlitz and A. D. Sands): Radicals coinciding with the von Neumann regular radical on artinian rings, *Monatsh. für Math.*, 125 (1998), 229–239; MR99d:16025, Zbl.899.16008.
- 120) (with H. E. Heatherly and E. K. S. Lee): Involutions on universal algebras, in: G. Saad and M. J. Thomsen (eds), *Nearrings, Nearfields and K-Loops, Proc. Hamburg Conf. 1995*, Kluwer 1997, 269–282; MR99c:08005, Zbl.893.08003.
- 121) (with K. I. Beidar): Radicals induced by the total of rings, *Beiträge Alg. und Geom.*, 38 (1997), 149–159; MR98e:16021, Zbl.874.16014.
- 122) (with U. A. Aburawash): The Rees and Steinfeld theorems for semigroups with involution, *Semigroup Forum*, 57 (1998), 440–444; MR99g:20106, Zbl.926.20037.
- 123) • (editor with B. J. Gardner and Liu Shaoxue): *Rings and Radicals, Proc. International Conf. Shijiazhuang '94*, Pitman Research Notes in Math. Series 346, Longman 1996; MR97b:16001, Zbl.839.00021.
- 124) (with G. F. Birkenmeier): Pseudocomplements in the lattice of torsion classes, *Comm. in Algebra*, 26 (1998), 197–220; MR98m:16036, Zbl.896.16022.
- 125) (with P. N. Ánh): Compactness in categories and interpretations, in: S. K. Jain and S. Tariq Rizvi (eds), *Advances in Ring Theory*, Birkhäuser 1997, 17–30; MR98m:18002, Zbl.887.18002.
- 126) (with R. Mlitz): Near-ring radicals depending only on the additive groups, *Southeast Asian Bull. Math.*, Springer-Verlag, 22 (1998), 171–177; MR2000b:16082, Zbl.923.16038.
- 127) Laudatio anlässlich des 70. Geburtstages von Herrn Prof. Dr. Gy. Maurer, *Grazer Math. Berichte*, 334 (1998), 3–7; MR2001f:01048a, Zbl.942.01025.
- 128) Rings distinctive in radical theory, *Quaest. Math.*, 22 (1999), 303–328; MR2001e:16032, Zbl.957.16016.
- 129) (with K. I. Beidar): Radical assignments and radical classes, *Bul. Acad. Ştiinţe Rep. Moldova, Matematica*, 2(30) 1999, 17–27; MR2000k:16029, Zbl.946.16013.
- 130) Supplementing radicals for nonassociative rings, *Nonassoc. Alg. & Appl., São Paulo 1998*, Lecture Notes in Pure & Appl. Math. 211, Marcel Dekker 2000, 457–469; MR2001e:17005, Zbl.1041.17003.
- 131) Some aspects of radical theory, *XV Escola de Álgebra, Canela, Brasil 1998, Matemática Contemporânea*, 16 (1999), 291–305; MR2001k:16036, Zbl.973.16015.

- 132) Rings with unique minimal subrings, *East–West J. Math.*, 1 (1999), 237–241; MR2000i:16043, Zbl.953.16022.
- 133) (with S. Tumurbat): Principally left hereditary and principally left strong radicals, *Algebra Colloquium*, 8 (2001), 409–418; MR2002h:16035, Zbl.1007.16014.
- 134) (with L. Márki and R. Mlitz): Brown–McCoy radicals for general near-rings, *Quaest. Math.*, 24 (2001), 481–490; MR2002h:16071, Zbl.997.16037.
- 135) (with K. I. Beidar and E. R. Puczyłowski): Radicals and polynomial rings, *J. Austral. Math. Soc.*, 72 (2002), 23–31; MR2002j:16023, Zbl.1007.16012.
- 136) Radical theory: developments and trends, *Mathematics and the 21st Century, Cairo 2000*, World Scientific 2001, pp 141–152; MR2002m:16023, Zbl.1008.16022.
- 137) (with G. F. Birkenmeier): Supplementing radicals and decompositions of near-rings, *Acta Math. Hungar.*, 94 (2002), 269–280; MR2003d:16054, Zbl.1017.16035.
- 138) (with S. Tumurbat): A note on special radicals and partitions of simple rings, *Comm. in Algebra*, 30 (2002), 1769–1777; MR2003a:16034, Zbl.1003.16011.
- 139) (with R. Mlitz): Semisimple classes containing no trivial near-rings, *Studia Sci. Math. Hungar.*, 38 (2001), 331–337; MR1877789(MathSciNet), Zbl.1004.16048.
- 140) Rédei – szubjektív emlékek történelmi háttérben (Rédei – personal recollections with historical background), *Mat. Lapok*, 1998–99/3–4, 74–90; MR 2004 Author Index M–Z, p 2706, MR2023678(MathSciNet).
- 141) (with D. Isabel C. Mendes): On essential left ideals of associative rings, *Math. Pannonica*, 12 (2001), 217–224; MR2002j:16004, Zbl.981.16002.
- 142) (with S. Tumurbat): Subhereditary radicals and Brown–McCoy semisimple rings, *Bul. Acad. Ştiinţe Rep. Moldova, Matematica*, 3(34) 2000, 11–20; MR2003i:16034, Zbl.1025.16012.
- 143) • Sections C.18 (The Jacobson radical) and C.19 (General radical theory) in: A. V. Mikhalev and G. Pilz (eds), *The Concise Handbook of Algebra*, Kluwer Academic Publisher 2002, pp 213–219; MR2004c:00001 Zbl.1008:00004.
- 144) (with H. J. Weinert): A new Kurosh–Amitsur radical theory for proper semifields I, *Math. Pannonica*, 14 (2003), 3–28; MR2004b:16068, Zbl.1059.12003.
- 145) (with H. J. Weinert): A new Kurosh–Amitsur radical theory for proper semifields II, *Math. Pannonica*, 14 (2003), 149–164; MR2005i:16091, Zbl.1087.12003.
- 146) (with S. Tumurbat): On polynomial and multiplicative radicals, *Quaest. Math.*, 26 (2003), 453–469; MR2005a:16031, Zbl.1059.1614.
- 147) Radical theory: main issues and recent developments, *Advances in Algebra, Proc. ICM Satellite Conf., Algebra and Related Topics, Hong Kong 2002*, World Scientific 2003, pp 494–505; MR2005c:00013, Zbl.1039.16017.
- 148) (with S. Tumurbat): On radicals with Amitsur property, *Comm. in Algebra*, 32 (2004), 1219–1227; MR2005g:16038, Zbl.1068.16021.
- 149) (with S. Tumurbat): Radicals of polynomial rings, *Soochow J. Math.*, 29 (2003), 425–434; MR2004k:16055, Zbl.1061.16031.
- 150) (with S. Tumurbat): On the matric-extensibility of radicals, *J. Applied Algebra & Discrete Structures*, 2 (2004), 119–130; MR2005c:16038,

Zbl.1072.16019.

- 151) • (with B. J. Gardner): *Radical theory of rings*, Pure & Appl. Math. 261, Marcel Dekker 2004, pp xii+387; MR2004m:16031, Zbl.1034.16025.
- 152) (with S. Tumurbat): Radicals around Köthe's Problem, *Bul. Acad. Ştiinţe Rep. Moldova, Matematica*, 1(44) 2004, 76–84; MR2005g:16037, Zbl.1074.16010.
- 153) (with Bh. Satyanarayana): On the f -prime radical of near-rings, *Near-rings and Near-fields, Proc. Hamburg Conf. 2003*, Springer 2005, pp 293–299; MR2006f:16064, Zbl.1082.16049.
- 154) (with S. Tumurbat): On A -radicals, *Math. Slovaca*, 56 (2006), 113–119; MR2007a:16033, Zbl.1150.16018.
- 155) (with K. I. Beidar, L. Márki and R. Mlitz): Primitive involution rings, *Acta Math. Hungar.*, 109 (2005), 357–368; MR2007c:16066, Zbl.1094.16020.
- 156) (with S. Tumurbat): A -radicals of involution rings, *Southeast Asian Bull. Math.*, 29 (2005), 393–399; MR2007a:16032, Zbl.1082.16028.
- 157) (with N. V. Loi): Subdirect irreducibility of algebras and acts with an additional unary operation, *Miskolc Math. Notes*, 6 (2005), 217–224; MR2006m:08004, Zbl.1095.08003.
- 158) (with N. V. Loi): On the Amitsur property of radicals, *Algebra & Discrete Math.*, 3 (2006), 92–100; MR2006b:16028. Zbl.1116.16024.
- 159) Radical and torsion theory for acts, *Semigroup Forum*, 72 (2006), 312–328; MR2006k:20126, Zbl.1093.20037.
- 160) (with E. R. Puczyłowski): Kostia's contribution to radical theory and related topics, *Rings and Nerrings, Proc. Internat. Conf. of Algebra in Memory of Kostia Beidar, Tainan, Taiwan 2005*, Walter de Gruyter, Berlin - New York 2007, pp 121–157; MR2008f:16001, Zbl.1130.16015.
- 161) (with L. Márki): History of the conferences on radical theory, *Algebra & Discrete Math.*, 3 (2007), 1–10; MR2421771(MathSciNet), Zbl.1164.16001.
- 162) (with B. J. Gardner and J. Krempa): Open problems in radical theory, *Algebra & Discrete Math.*, 3 (2007), 15–17; MR2421773(MathSciNet).
- 163) H. J. Hoehnke's contribution to radical theory, *Sci. Math. Japonicae*, 68 (2008) 193–199; MR2009i:01016, Zbl.1179.20053.

Theses:

- 1 *Vizsgálatok a lineárisan kompakt gyűrűk elméletében* (Investigations in the theory of linearly compact rings), Thesis for the degree Candidate of Math. Sci., Budapest 1965.
- 2 *Kategória elméleti vizsgálatok* (Category theoretical investigations), Thesis for the degree Doctor of Math. Sci., Budapest 1974.

Further publications, lecture notes, manuscripts, etc:

- (1) Axiomatikus vizsgálatok félgyűrűkben (Axiomatische Untersuchungen in Halbringen), *Preisschrift, Universität Szeged*, 1954, 12 Seiten.
- (2) Über die Unabhängigkeit der Distributivitätsbedingungen, *Manuskript*, 1954, 13 Seiten.
- (3) Gondolatok a matematika-tanítás korszerűsítéséről (Thoughts about the modernization of mathematics teaching), *Orosházi Táncsics Mihály Gimnázium Évkönyve*, XXV. év (1962–1963), 50–54.

- (4) Kertész Andor: Vorlesungen über artinsche Ringe, (book review in Hungarian), *Magyar Tudomány*, 13 (1968), 723–724.
- (5) B. Pareigis: Kategorien und Funktoren, (book review in Hungarian), *Mat. Lapok*, 21 (1970), 185–186.
- (6) • *Representation theory of groups*, Lecture Notes in Mathematics, University of Islamabad, Pakistan, 1971, pp iv + 79.
- (7) Some problems in the universal algebra with ring-theoretic background, *Mini-conference on Universal Algebra*, Szeged, 1971, p 23.
- (8) (with M. Sadiq Zia): On the terminating of the lower radical construction, *unpublished manuscript*, 1972, pp 6.
- (9) • *Lectures on radical and semisimple classes of rings*, Lecture Notes in Math., University of Islamabad, Pakistan, 1972, pp 140.
- (10) • *Matematikai Kislexikon*, (Farkas Miklós szerk., társszerzőkkel), Műszaki Kiadó, 1972; 2. kiadás: 1974; 3. kiadás: 1979.
- (11) (with C. Roos): Radicals of rings defined by means of elements, *manuscript*, 1974, pp 17.
- (12) Structure of rings and modules, *manuscript* noted by I. A. Assem, University of Alexandria, Egypt, 1977, pp 72.
- (13) Theory of radicals and torsions, *manuscript* noted by I. A. Assem, University of Alexandria, Egypt, 1977, pp 41.
- (14) J. S. Golan: Decomposition and dimension in module categories, (Buchbesprechung), *Internationale Math. Nachr.*, 127 (1981), S. 21.
- (15) • Lectures on radical theory, *manuscript*, Cairo University, Egypt, 1982, pp 35.
- (16) • Radical theory of rings, *Res. Report* 83/1, University of Pretoria, pp 36.
- (17) Radical theory, lecture delivered at the Rand Afrikaans University, Johannesburg, March 17, 1983, *manuscript*, pp 6.
- (18) Radical theory (Revised version of a series of talks delivered at Cairo University, Egypt, February 1982), *University of Pretoria, Research Report* UPWF 83/1, April 1983, pp 36.
- (19) F. A. Szász: Radicals of rings, (book review), *Periodica Math. Hungar.*, 14 (1983), 116.
- (20) A matematika tankönyvek terjedelméről (Über den Umfang der mathematischen Lehrbücher), *Mat. Tanítása*, XXXIII (1987), 192–194.
- (21) Szerkesztési feladatok algebrai úton való megoldása (Algebraic solution of geometrical construction problems), Zsuffa L. (szerk.): *Rédei körü előadások 1988–1990*, Tiszakécske 1990, 28–42.
- (22) On the structure of involution rings with chain condition, *South African Math. Soc. Notices*, 22 (1990), 167–176.
- (23) Az újra felfedezett ország: a Dél-Afrikai Köztársaság (The rediscovered country: the Republic of South Africa), *Magyar Tudomány*, 91/7, 873–882.
- (24) J. S. Golan: Torsion theories, (book review), *Periodica Math. Hungar.*, 23 (1991), 163.
- (25) B. J. Gardner: Radical theory, (book review), *Periodica Math. Hungar.*, 24 (1992), 66–67.
- (26) B. J. Gardner (editor): Rings, modules and radicals, Proc. 1987 Hobart Conf., (book review) *Periodica Math. Hungar.*, 24 (1992), 67–68.
- (27) S. Kyuno (editor): Radical theory, Proc. 1988 Sendai Conf., (book review), *Periodica Math. Hungar.*, 24 (1992), 68.

- (28) Sh. Feigelstock: Additive groups of rings I and II, (book review), *Periodica Math, Hungar.*, 24 (1992), 240–241.
- (29) (with Y. Fong and F. K. Huang): Radical theory for group semiautomata, *Proc. 28-th Annual Meeting, Math. Soc. R. O. C. Taiwan*, Tainan, 4-th – 5-th Dec. 1992, pp 255–273.
- (30) Egy kis tigris: Tajvan (A little tiger: Taiwan), *Magyar Tudomány*, 93/3, 343–353.
- (31) Mi az algebra és mire való? (What is algebra and what is it for?), *Magyar Tudomány*, 93/6, 716–722.
- (32) Egy 1954-es beszélgetés Szendrei Jánossal, Juhász Gyula Tanárképző Főiskola, Szeged 1995. december 18., *kézirat*, 4 oldal.
- (33) Tudományos előadások meg az írásvetítő (Scientific talks and the overhead projector), *Magyar Tudomány*, 96/3, 349–350.
- (34) On the structure of semigroups with involution, talk delivered on the National Conference on Algebra, Cairo 1996, *manuscript*, pp 8.
- (35) U. Hebisch and H. J. Weinert: Halbringe – Algebraische Theorie und Anwendungen in der Informatik, (book review), *Semigroup Forum*, 52 (1996), 247–248; corrigendum: *ibidem* 52 (1996), 397.
- (36) (with K. I. Beidar): Radical assignments and radical classes, *Seminarberichte Fernuniversität Hagen*, 63 (1998), 45–53.
- (37) Rédei László, történelmi háttérben (L. Rédei, in historical background), *Természet Világa*, 133/2 (2002), 61–66.
- (38) Rédei László. Szubjektív emlékek történelmi háttérben, *Dugonics Társaság Évkönyve*, Szeged 2002, 198–210.
- (39) (with H. J. Weinert), A new Kurosh–Amitsur radical theory for proper semifields I, II, *Mathematik-Bericht*, 2002/2, TU Clausthal.
- (40) (with S. Tumurbat), Radicals of polynomial rings, *The Pumplün 70 Festschrift*, RWTH-Aachen Universität, Lehrstuhl A für Mathematik 2003, pp 283–291.
- (41) *Miért lettem matematikus? Visszaemlékezések* (szerk.: Róka Sándor), Typotex 2003, 265–271.
- (42) Laudatio anlässlich des 61. Geburtstages von Herrn Prof. Dr. R. Mlitz, TU Wien, 3. Juni 2005, *Manuskript*, 4 Seiten.
- (43) Erinnerung an Hans-Jürgen Hoehnke, Halle, 25. Januar 2008, *Manuskript*, 2 Seiten.
- (44) Science – a természettudományok integrált oktatása (Science – integrierter Unterricht der Naturwissenschaften), *Természet Világa*, 139/12 (2008), 558–559; *Bajai honpolgár* XX:5 (2009) 15–16 (másodközlés).
- (45) Képletek a fizika tanításában (Formeln im Physikunterricht), *Természet Világa*, 140/5 (2009), 230–231.
- (46) A tribute to Professor Andrunachievici, *Academicianul Vladimir Andrunachievici, Acad. Științe Moldovei*, Chișinău 2009, pp 186–207.
- (47) Hogyan lettem matematikus? *kézirat*, 2009, 12 oldal.
- (48) Meine Erinnerungen an Andor Kertész, *Georg Cantor Sonderheft, 2010*, Martin-Luther-Universität, Halle-Wittenberg. 16–23.
- (49) Emlékeim Kertész Andorról, KLTE Debrecen, 2009. május 19, *kézirat*, 5 oldal.
- (50) RSA-kriptorendszer – nyilvános kulcsú titkosítás, *kézirat*, 2009, 7 oldal.
- (51) An application of probability theory, *manuscript*, pp 2.

- (52) Voller Skandal, *Manuskript*, Lösung durch Anwendung der verallgemeinerten Möbiusschen Umkehrformel in *Acta Sci. Math. Szeged*, 20 (1959), 164-180.
- (53) Laudatio anlässlich der Emeritierung von Herrn Dr. R. Mlitz, TU Wien, 13. Oktober, 2010, *Manuskript*, 1 Seite.
- (54) Kazár József, *www.tancsics-ohaza.sulinet.hu/tanar/*, 3 oldal.
- (55) Zatykó Sándor, *www.tancsics-ohaza.sulinet.hu/tanar/*, 3-4 oldal; *kibővített kézirat* 2011, 3 oldal.
- (56) A skála matematikája – das wohltemperierte Klavier, *kézirat*, 2011, 1 oldal.
- (57) Aranymetszés, *kézirat* 2011, 3 oldal.

Problems (elementary, advanced and research) and solutions:

- (1) A 110. feladat megoldása, *Mat. Lapok*, 12 (1961), 225.
- (2) A 124. feladat megoldása, *Mat. Lapok*, 6 (1963), 166-167. 1
- (3) A 137. feladat, *Mat. Lapok*, 14 (1963), 164, (Fried Ervinnel közösen).
- (4) A 1295. feladat, *Köz. Mat. Lapok*, 28 (1964), 29.
- (5) Advanced problem 5571, *Amer. Math. Monthly*, 75 (1968), 304 and *ibidem* 76 (1969), 203.
- (6) Three problems, *Coll. Math. Soc. J. Bolyai 6, Rings, Modules and Radicals*, North-Holland 1973, 518–519.
- (7) A 196. feladat, *Mat. Lapok*, 24 (1973), 151; megoldása *ibidem*, 25 (1974), 371–373.
- (8) Two problems in the *List of Problems, Kolloquium über Algebra*, June 23, 1978, TU Wien.
- (9) 2. feladat az 1983. évi Schweitzer Miklós Matematikai Emlékversenyen (Problem 2 on the 1983 M. Schweitzer Contest in Higher Mathematics), *Mat. Lapok*, 32 (1981–84), p 162.
- (10) Problem in: *Rings, Modules and Radicals, Proc. Hobart Conf. 1987*, Longman, 1989, p 194.
- (11) 1. feladat és megoldása az 1989. évi Schweitzer Miklós Matematikai Emlékversenyen (Problem 1 and its solution on the 1989 M. Schweitzer Contest in Higher Mathematics), *Mat. Lapok*, 1991/4, pp 21–24.
- (12) 3. feladat a 2001. évi Schweitzer Miklós Matematikai Emlékversenyen (Problem 3 on the 2001 M. Schweitzer Contest in Higher Mathematics), *Mat. Lapok*. 2000–2001/2, pp 57–58.
- (13) Problem 1, Open Problems, General Radicals, *Radical Page*, <http://140.116.21.154/radicals>, (with S. Tumurbat).

Abstracts of conference talks;

Reviews in Mathematical Reviews and Zentralblatt für Mathematik;

Interviews in newspapers and radio;

Photo: Pálma Alexandriában, *Természet Világa*, 116/10, 1985, front page;

CD-ROM: Mi az algebra és mire való? *A tudomány egésze*, válogatta és összeállította Zsolnai József, Nemzeti Tankönyvkiadó 2005.