

СПИСАК ПУБЛИКАЦИЈА

Библиографија радова др Ненада Лазарова у периоду пре последњих 5 година

ОБЈАВЉЕНИ РАДОВИ МЕЂУНАРОДНОГ ЗНАЧАЈА (M20)

Радови објављени у врхунским часописима међународног значаја (M21, k=8, M21a, k=10)

1) V. M. Matic, N. Dj. Lazarov, E. E. Tornau, S. Lapinskas, M. Milić and V. Spasojević, "Low-temperature thermodynamics of the asymmetric next-nearest-neighbor Ising model", Physical Review B 62 (2000) 107-110.

(M21a IF 3,327 (2000) rang 5/56)

2) V. M. Matic, M. Milić and N. Dj. Lazarov, "A model of oxygen ordering in YBa₂Cu₃O_x. Fragmented-chain structure at 6.5<x<7", Physica C 339 (2000) 27-36.

(M21 IF 1,489 (2000) rang 14/70, heterocitata 3)

3) V. M. Matic, M. Milić, E. E. Tornau, S. Lapinskas and N. Dj. Lazarov, "Isothermal susceptibility in tetragonal phase of YBa₂Cu₃O_{6+2c}", Physica C 349 (2001) 246-250.

(M21 IF 1,489 (2000) rang 14/70)

4) 1) V. B. Kusigerski, V. V Spasojevic, N. Dj. Lazarov, D. S. Markovic, V. M. Matic, S. S. Sovilj and M. Guillot, "High Magnetic Fields Study of Asymmetric Co(II) Dimmer in Octahedral Ligand Environment", Solid State Communications 126 (2003) 319-322.

(M21 IF 1,602 (2003) rang 13/57, heterocitata 7)

5) C. Petrovic, Y Lee, T. Vogt, N. Dj. Lazarov, S. Bud'ko and P. C. Canfield, "Kondo Insulator description of spin state transition in FeSb, Physical Review B 72 (2005) 045103. (M21 IF 3,185 (2005) rang 7/60, heterocitata 87)

6) V. M. Matic and N. Dj. Lazarov, "The origin of the 60 K plateau in YBa₂Cu₃O_{6+x}", Journal of Physics: Condensed Matter 19 (2007) 346230 (pp9).

(M21 IF 2,145 (2005) rang 13/60, heterocitata 1)

7) V. M. Matic, N. Dj. Lazarov and I. M. Bradaric "Charge transfer mechanism and T_c(x) dependence in Y_{0.8}(Ca)_{0.2}Ba₂Cu₃O_{6+x}", Supercond. Sci. Technol. 21 (2008) 075012.

(M21 IF 2,547 (2007) rang 12/94, heterocitata 0)

8) V. M. Matic, N. Dj. Lazarov and M. Milic, "A model for the chain-to-plane charge transfer in YBa₂Cu₃O_{6+x}", Chinese Physica B 21 11 (2012) 117401

(M21 IF 1,631 (2010) rang 24/80, heterocitata 0)

9) V. M. Matic, N. Dj. Lazarov, "p(x) and Tc(x) characteristics in the Y1-bCabBa2 Cu3O6+x cuprate family", Solid State Communication 152 (2012) 307-310.(M21 IF 1,981 (2011) rang 20/68, heterocitata 0)

10) M. M. Milic, N. Dj. Lazarov, D. A. Cucic "Study on the photo induced oxygen reordering in YBa2 Cu3O6+x ", Nuclear Instruments and Methods in Physics Reserch B (2012) 212-214.
(M21 IF 1,266 (2012) rang 7/34, heterocitata 0)

11) N. Dj. Lazarov, M. M. Milic, D. A. Cucic "Effect of illumination on the superconducting transition temperature Tc in YBa2 Cu3O6+x ", Nuclear Instruments and Methods in Physics Reserch B 279 (2012) 215-218.
(M21 IF 1,266 (2012) rang 7/34, heterocitata 0)

12) V. M. Matic, N. Dj. Lazarov, M. Milic "A model for the quasi 60 K plateau in the YBa2 Cu3O6+x high Tc-compound", Journal of Alloys and Compounds 551 (2013) 189-194.
(M21a IF 2,726 (2013) rang 5/75, heterocitata 2)

Ukupno: $k=10 \times 8 + 2 \times 10 = 100$, za M21 i M21a Ukupno IF 26.887

ОБЈАВЉЕНИ РАДОВИ МЕЂУНАРОДНОГ ЗНАЧАЈА (M20)

Радови објављени у истакнутим међународним часописима (M22, k=5)

1) N. Dj. Lazarov, V. V Spasojevic, V. B. Kusigerski, V. M. Matic and M. Milić, "Magnetic susceptibility calculation of the dinuclear cobalt complex [Co2(ox)tpmc] (ClO4)23H2O", Journal of Magnetic Materials 272-276 (2004) 1065-1066.
(M22 IF 1,046 (2002) rang 28/56, heterocitata 8)

2) V. M. Matic, N. Dj. Lazarov, V. Spasojevic, M. Milic and V. Kusigerski, "A Monte Carlo study on distribution of CuO chains in YBa2Cu3O6+", Physica C 421 (2005) 49-55.
(M22 IF 1,192 (2003) rang 31/76, heterocitata 1)

3) V. M. Matic, V.M. Milic, N. Dj. Lazarov , "Phase diagram of oxygen ordering in YBa2Cu3O6+2c. The three-atom interactions", Physica C 422 (2005) 1-8.
(M22 IF 1,192 (2003) rang 31/76, heterocitata 0)

4)V. M. Matic and N. Dj. Lazarov, "Impact of chain fragmentation on charge transfer scenario and two-plateaus-like behavior of Tc(x) in YBa2Cu3O6+x", Solid State Communications 142(2007)165-168.
(M22 IF 1,840 (2007) rang 27/68, heterocitata 1)

5) M. M. Milic, N. Dj. Lazarov, L. B. Karbunar "Influence of Ortho II structural phase on 60 K plateau formation in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ ", Physica C 476 (2012) 63-67.

(M22 IF 1,415 (2010) rang 57/118, heterocitata 0)

6) M. Milic, N. Dj. Lazarov and V. M. Matic, "Cluster variation method investigation of photoinduced charge transfer in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ material", Physica C 460 (2007) 364-365.

(M22 IF 1,079 (2007) rang 53/94, heterocitata 0)

Ukupno: $k=6 \times 5=30$, za M22 ukupno IF 7,764

ОБЈАВЉЕНИ РАДОВИ МЕЂУНАРОДНОГ ЗНАЧАЈА (M20)

Радови објављени у истакнутим међународним часописима (M22, k=5)

1) V. M. Matic, L.T. Wille, N. Dj. Lazarov and M. Milić, "A Cluster Variation Method Approach to the Problem of Low-Temperature Statistics of a Class of Ising Models ", Materials Transactions-JIM 42, No. 11 (2001) 2157-2164.

(M23 IF 0,0 (2001) rang 168/170, heterocitata 0)

2) V. M. Matic and N. Dj. Lazarov, "Geometric distribution of CuO chains in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ ", Physica C 443 (2006) 49-56.

(M23 IF 1,072 (2004) rang 42/79, heterocitata 1)

3) M. Milic, V. M. Matic and N. Dj. Lazarov, "The dependence of critical temperature on oxygen concentration in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ in terms of the fragmented chain model", Central European Journal of Physics, 9(3) 2011, (690 697)DOI: 10.2478/s11534-010-0060-6

(M23 IF 0,909 (2011) rang 44/84, heterocitata 0)

4) Nenad Dj. Lazarov, Vojislav Spasojevic, Vladimir M. Matic, Vladan Kusigerski, Maurice Guillot, "Magnetic properties of asymmetric Co(II) dimer at low temperatures", Revue Roumaine de Chimie, 2007, 52(11).

(M23 IF 0,311 (2007) rang 126/147, heterocitata 0)

Ukupno: $k=4 \times 3=12$, za M23 ukupno IF 2,292

Саопштење са међународних скупова штампано у целини (M33, $\kappa=1$)

- 1) N. Đ. Lazarov, V. M. Matić and M. Milić, "Pair correlation functions in the ASYNNNI model at $T \gg 0$ ", Proceedings of the 5th International Conference on Fundamental and Applied Aspects of Physical Chemistry, (2000) p 369-371.
- 2) M. Milić, V. M. Matić and N. Đ. Lazarov, "Non-ordering susceptibility of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ compound", Proceedings of the 5th International Conference on Fundamental and Applied Aspects of Physical Chemistry, (2000) p 429-431.
- 3) V. Spasojević, V. Kusigerski, N. Lazarov, V. Matić, D. Marković and S. Sovilj, "Magnetic properties of Co^{2+} dimer in high magnetic fields", 6th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, (Sep. 22-28. 2002.) p. 511.
- 4) M. Milić, V. M. Matić and N. Đ. Lazarov, "CVM study of charge transfer in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ ", Proceedings of the 8th International Conference on Fundamental and Applied Aspects of Physical Chemistry, (2006) p 580-572..

Ukupno: $k=4 \times 1=4$, za M33

Саопштење са међународних скупова штампано у изводима (M34, $\kappa=0.5$)

- 1) N. Dj. Lazarov, V. V Spasojevic, V. B. Kusigerski, V. M. Matic, and M. Milic, "Magnetic Properties of Dinuclear Cobalt Complex $[\text{Co}_2(\text{ox})\text{tpmc}] (\text{ClO}_4)_2 \cdot 23\text{H}_2\text{O}$ in High Magnetic Fields", 5th General Conference of the Balkan Physical Union, Vrnjačka Banja, Serbia and Montenegro, (Aug. 25-29. 2003.) p. 160..
- 2) N. Dj. Lazarov, V. M. Matić and M. Milić, "Concentration of superconducting carriers $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ ", 6th General Conference of the Balkan Physical Union, Istanbul, Turkey, (Aug. 22-26. 2006.) p. 789.
- 3) V. Kusigerski, V. Spasojevic, M Tadic, B Matovic, B. Antic, S. Boskovic, N. Lazarov, "Magnetism of $\text{G-Fe}_2\text{O}_3$ nanoparticles obtained by solid state displacement reaction activated by mechanochemical treatment", 6th General Conference of the Balkan Physical Union, Istanbul, Turkey, (Aug. 22-26. 2006.) p. 788

Ukupno: $k=3 \times 0.5=1.5$, za M34

ОБЈАВЉЕНИ РАДОВИ НАЦИОНАЛНОГ ЗНАЧАЈА (M51)

Радови у врхунском часопису националног значаја (M51, $\kappa=2$)

- 1) V. M. Matic, N. Dj. Lazarov i M. Milić, "Osnovne termodinamičke osobine ASYNNNI modela u domenu niskih temperatura", TEHNIKA 6 (2000) 1-6.

Ukupno: $k=1 \times 2=2$, za M51

Саопштење са скупова националног значаја штампани у целини (M63, $\kappa=1$)

- 1) M. Milić, N. Dj. Lazarov i V. M. Matic, "Uticaj višeatomskih interakcija na proces uređenja kiseonika u $\text{YBa}_2\text{Cu}_3\text{O}_{6+2x}$ materijalu", Zbornik radova 10 kongres fizičara Jugoslavije, Vrnjačka Banja 27-29 Mart 2000, p 329-332.
- 2) V. M. Matic, N. Dj. Lazarov, E. E. Tornau, S. Lapinskas, i M. Milić, "Ekvivalentnost između ASYNNNI modela i 1d-Ising modela ($J=V_2$) na niskim temperaturama", Zbornik radova 10 kongres fizičara Jugoslavije, Vrnjačka Banja 27-29 Mart 2000, p 333-336.
- 3) V. M. Matic, M. Milić, E. E. Tornau, S. Lapinskas i N. Dj. Lazarov, "Linije maksimalnih fluktuacija kiseonika u faznom dijagramu $\text{YBa}_2\text{Cu}_3\text{O}_{6+2c}$ materijala", Zbornik radova 10 kongres fizičara Jugoslavije, Vrnjačka Banja 27-29 Mart 2000, p 337-340.
- 4) V. M. Matic, N. Dj. Lazarov and M. Milić, "Basic thermodynamic properties the ASYNNI model at high temperatures", Proceedings of the Symposium on Condensed Matter Physics, Arandjelovac, (SFKM 2001), p. 177
- 5) V.M.Matic, N.Dj.Lazarov i M.Milic, "Raspodela Cu-O lanaca u $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ materijalu", Kongres fizicara Srbije i Crne Gore, Petrovac na Moru, 3-5 Jun 2004, p 4/93-4/96.
- 6) N. Dj. Lazarov, M. Milic and V. M. Matic, "Distribution of CuO Chains In The Deficient Planes of $\text{YBa}_2\text{Cu}_3\text{O}_{6+2c}$ ", XVI National Symposium on Condensed Matter Physics, Soko Banja, (SFKM 2004), p. 143

Ukupno: $k=6 \times 1.0=6$, za M63

РАДОВИ ОБЈАВЉЕНИ У ИЗВОДИМА

Саопштење са скупа националног значаја штампани у изводу (M64, $k=0.2$)

1) V. M. Matic, N. Lazarov and I. Bradaric, Kiseonicne strukture u $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ materijalu na visim temperaturama, Zbornik radova 9 kongresa fizicara Jugoslavje, Kladovo (1997).

2) М. М. Милић, В.Н. Николић, Н. Ђ. Лазаров, С. Јовановић
КРИСТАЛИЗАЦИЈА Fe_2O_3 И $\text{Gd}_2\text{Si}_2\text{O}_7$ У $\text{Fe}_2\text{O}_3/\text{Gd}_2\text{O}_3/\text{SiO}_2$ КОМПОЗИТНОМ СИСТЕМУ, 24 КОНФЕРЕНЦИЈА КРИСТАЛОГРАФСКОГ ДРУШТВА, Вршац, 2017.

Ukupno: $k=2 \times 0.2=0.4$, за M64

ДИСЕРТАЦИЈЕ И ТЕЗЕ (M70)

Одбрањена магистарска теза (M71, $k=3$)

1) Nenad Lazarov, “Termodinamičke osobine dvodimenzionog Izingovog modela sa asimetričnim drugim susedima na niskim temperaturama”, magistarski rad, Univerzitet u Beogradu, Fizički fakultet, Beograd, (2001).

Ukupno: $k=1 \times 3=3$, за M71

Одбрањена докторска дисертација (M72, $k=6$)

1) Nenad Lazarov, “UTICAJ RASPODELE DUŽINA BAKARNO-KISEONIČNIH LANACA NA SUPERPROVODNA I STRUKTURNA SVOJSTVA $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ SISTEMA”, doktorska disertacija, Univerzitet u Beogradu, Fizički fakultet, Beograd, (2010).

Ukupno: $k=1 \times 6=6$, за M72