

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

Boča, R., Titiš, J.

Magnetostructural D-correlation for zero-field splitting in nickel(II) complexes, in Coordination Chemistry Research Progress, Eds. T. W. Cartere and K. S. Verley, Nova Science Publishers, New York, 2008, str. 247-304, ISBN: 978-1-60456-047-3.

ADC Vedecké práce v zahraničných karentovaných časopisoch

Nesterova, O. V., Chygorin, E. N., Kokozay, V. N., Bon, V. V., Omelchenko, I. V., Shishkin, O. V., Titiš, J., Boča, R., Pombeiro, A. J. L., Ozarowski, A.

Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear Cu(II)2Fe(III)2 complexes obtained by direct synthesis
(2013) Dalton Transactions, DOI:10.1039/c3dt51800k

Rajnák, C., Titiš, J., Šalitroš, I., Boča, R., Fuhr, O., Ruben, M.

Zero-field splitting in pentacoordinate Co(II) complexes
(2013) Polyhedron, 65, pp. 122-128.

Idešicová, M., Titiš, J., Krzystek, J., Boča, R.

Zero-field splitting in pseudotetrahedral Co(II) complexes: A magnetic, high-frequency and-field EPR, and computational study

(2013) Inorganic Chemistry, 52 (16), pp. 9409-9417.

Uhrecký, R., Moncol, J., Koman, M., Titiš, J., Boča, R.

Structure and magnetism of a Mn(III)-Mn(II)-Mn(II)-Mn(III) chain complex
(2013) Dalton Transactions, 42 (26), pp. 9490-9494.

Titiš, J., Miklovič, J., Boča, R.

Magnetostructural study of tetracoordinate cobalt(II) complexes
(2013) Inorganic Chemistry Communications, 35, pp. 72-75.

Uhrecký, R., Padělková, Z., Moncol, J., Koman, M., Dlháň, L., Titiš, J., Boča, R.

Synthesis, crystal structure, spectra and magnetic properties of new manganese(III) and iron(III) dipicolinate complexes

(2013) Polyhedron, 56, pp. 9-17.

Packová, A., Miklovič, J., Titiš, J., Koman, M., Boča, R.

Positive zero-field splitting in a hexacoordinate nickel(II) complex
(2013) Inorganic Chemistry Communications, 32, pp. 9-11.

Öz, S., Titiš, J., Nazir, H., Atakol, O., Boča, R., Svoboda, I., Fuess, H.

Synthesis, structure and magnetic properties of Ni(II)-Co(II) heterodinuclear complexes with ONNO type Schiff bases as ligands

(2013) Polyhedron, 59, pp. 1-7.

Hudák, J., Boča, R., Moncol, J., Titiš, J.

Magnetism of dinuclear benzoato cobalt(II) complexes modeled by a general bilinear exchange

(2013) Inorganica Chimica Acta, 394, pp. 401-409.

Synthesis of furo[3,2-b]pyrrole-5-carboxhydrazides and their Cu, Co and Ni complexes.
(2012) TheScientificWorldJournal, 2012, p. 915798.

Titiš, J., Hudák, J., Kožíšek, J., Krutošíková, A., Moncol', J., Tarabová, D., Boča, R.
Structural, spectral and magnetic properties of carboxylato cobalt(II) complexes with heterocyclic N-donor ligands: Reconstruction of magnetic parameters from electronic spectra
(2012) Inorganica Chimica Acta, 388, pp. 106-113.

Idešicová, M., Dlháň, L., Moncol', J., Titiš, J., Boča, R.
Zero-field splitting in tetracoordinate Co(II) complexes
(2012) Polyhedron, 36 (1), pp. 79-84.

Titiš, J., Boča, R.
Magnetostructural D correlations in hexacoordinated cobalt(II) complexes
(2011) Inorganic Chemistry, 50 (22), pp. 11838-11845.

Rajnák, C., Titiš, J., Boča, R., Moncol', J., Padělkova, Z.
Self-assembled cobalt(II) Schiff base complex: Synthesis, structure, and magnetic properties
(2011) Monatshefte fur Chemie, 142 (8), pp. 789-795.

Tarabová, D., Titiš, J., Prónayová, N., Gatial, A., Krutošíková, A.
A study of [1]benzofuro[3,2-c]pyridine derivatives
(2010) Arkivoc, 2010 (9), pp. 269-281.

Titiš, J., Boča, R.
Magnetostructural D correlation in Nickel(II) complexes: Reinvestigation of the zero-field splitting
(2010) Inorganic Chemistry, 49 (9), pp. 3971-3973.

Papánková, B., Boča, R., Dlháň, L., Nemeč, I., Titiš, J., Svoboda, I., Fuess, H.
Magneto-structural relationships for a mononuclear Co(II) complex with large zero-field splitting
(2010) Inorganica Chimica Acta, 363 (1), pp. 147-156.

Titiš, J., Boča, R., Dlháň, L., Ďurčeková, T., Fuess, H., Ivaníková, R., Mrázová, V., Papánková, B., Svoboda, I.
Magnetostructural correlations in heteroleptic nickel(II) complexes
(2007) Polyhedron, 26 (7), pp. 1523-1530.

Ivaníková, R., Boča, R., Dlháň, L., Fuess, H., Mašlejová, A., Mrázová, V., Svoboda, I., Titiš, J.
Heteroleptic nickel(II) complexes formed from N-donor bases, carboxylic acids and water: Magnetostructural correlations
(2006) Polyhedron, 25 (17), pp. 3261-3268.

Baran, P., Boča, M., Boča, R., Krutošíková, A., Miklovič, J., Pelikán, J., Titiš, J.
Structural characterization, spectral and magnetic properties of isothiocyanate nickel(II) complexes with furopyridine derivatives
(2005) Polyhedron, 24 (12), pp. 1510-1516.

ADD Vedecké práce v domácich karentovaných časopisoch

Segl'a, P., Miklovič, J., Mikloš, D., Titiš, J., Herchel, R., Moncol, J., Kaliňáková, B., Hudecová,

Crystal structure, spectroscopic and magnetic properties, and antimicrobial activities of cobalt(II) 2-methylthionicotinate complexes with N-heterocyclic ligands
(2008) Transition Metal Chemistry, 33 (8), pp. 967-974.

Miklovič, J., Segľa, P., Mikloš, D., Titiš, J., Herchel, R., Melník, M.
Copper(II) and cobalt(II) hydroxypyridinecarboxylates: Synthesis, crystal structures, spectral and magnetic properties
(2008) Chemical Papers, 62 (5), pp. 464-471.

AFD Publikované príspevky na domácich vedeckých konferenciách

Titiš, J., Boča, R.
Magnetostuctural D correlations in Ni(II) complexes. *Proceedings: International Conference Applied Natural Sciences 2007*, ISBN: 978-80-89220-91-5, str. 51-60, **2007**, Trnava.
Publikované aj ako abstrakt v *International Conference on Applied Natural Science Book of Abstracts*, Trnava, 7.–9. November **2007**. ISBN: 978-80-89220-90-8, str. 26.

Titiš, J., Boča, R., Rajnák, C.
Magnetic anisotropy-structural asymmetry relationships for Ni(II) and Co(II) complexes. *Proceedings: International Conference Applied Natural Sciences 2009*, ISBN: 978-80-8105-129-6, str. 238-245, **2009**, Trnava.
Publikované aj ako abstrakt v *International Conference Applied Natural Sciences 2009 Book of Abstracts*, Trnava 7-9 Október **2009**. ISBN: 978-80-8105-127-2, str. 23.

Titiš, J., Boča, R., Hudák, J.
Enhancing the single-ion magnetic anisotropy of first-row metal complexes via structural and electrochemical modification. *Proceedings: International Conference Applied Natural Sciences 2011*, ISBN: 978-80-8105-266-8, str. 96-100, **2011**, Častá-Papiernička.
Publikované aj ako abstract v *International Conference Applied Natural Sciences 2011 Book of Abstracts*, Častá-Papiernička 5-7 Október **2011**. ISBN: 978-80-8105-265-1, str. 37.

AFH Abstrakty príspevkov z domácich konferencií

P. Baran, M. Boča, R. Boča, A. Krutošíková, J. Miklovič, J. Pelikán, J. Titiš,
Structural characterization, spectral and magnetic properties of isothiocyanate nickel(II) complexes with furopyridine derivatives.
20th International Conference on Coordination and Bioinorganic Chemistry, Smolenice, Jún **2005**. ISBN: 80-227-2226-X, str. 89.

J. Titiš, R. Boča,
Magnetostuctural correlation of the zero-field splitting parameter.
21th International Conference on Coordination and Bioinorganic Chemistry, Smolenice, Jún **2007**. ISBN: 978-80-227-2647-4, str. 97.

J. Titiš, R. Boča,
Towards control of magnetic anisotropy on single-ionic magnetic centers.
XXII. International Conference on Coordination and Bioinorganic Chemistry, Smolenice 7-12 Jún **2009**. ISBN: 978-80-227-3085-3, str. 116.

J. Titiš, R. Boča, B. Papánková, J. Miklovič, J. Moncol', J. Hudák, C. Rajnák,
Definition of magnetostuctural relationships for the Co(II) ion.
XXIII. International Conference on Coordination and Bioinorganic Chemistry, Smolenice 5-11 Jún **2011**. ISBN: 978-80-227-3509-4, str. 150.

J. Titiš,
Mononuclear complexes with large zero-field splitting.
XXIV. International Conference on Coordination and Bioinorganic Chemistry, Smolenice 2-7
Jún **2013**. ISBN: 978-80-227-3918-4, str. 187.

AFK Postery zo zahraničných konferencií

J. Titiš, R. Boča,
Magneto-structural correlation of the zero-field splitting parameter.
XVth Winter School on Coordination Chemistry, Karpacz, 4.-8. December **2006**, Poľsko.

J. Titiš, R. Boča,
Magnetostructural correlations in mononuclear nickel(II) complexes.
E-MRS 2007 Spring Meeting, Štrasburg, 28. Máj – 1. Jún **2007**, Francúzsko.

J. Titiš, R. Boča,
Magnetic anisotropy-structural asymmetry relationships for mononuclear Co(II) complexes –
a magnetostructural D-correlation.
European Conference on Molecular Magnetism ECMM, Wroclaw, 4-7 Október **2009**, Poľsko

J. Titiš, R. Boča,
Magneto-structural D-correlations in metal complexes.
26th European Crystallographic Meeting (ECM), Darmstadt, 29. September - 2. Október
2010, Nemecko.

J. Titiš, R. Boča,
Enhanced single-ion magnetic anisotropy in high-spin Co(II) and Ni(III) complexes:
experimental and theoretical study.
3rd European Conference on Molecular Magnetism, Paríž, 22. – 25. November **2011**,
Francúzsko.

J. Titiš, M. Idešicová, R. Boča,
Flattened-tetrahedral weak-field Co(II) complexes: candidates for single-ion based single-
molecule magnets?
ICMM 2012 The 13th International Conference on Molecule-based Magnets, Orlando, 7. –
11. Október **2012**, Florida/USA.

BCI Skriptá a učebné texty

Titiš, J., Vranovičová, B., Valigura, D., Anorganická chémia -seminárne cvičenie, UCM
Trnava, **2013**, ISBN: 978-80-8105-446-4, 110 str.