

Original Papers

281. Crystal structure and physical properties of radical cation salt based on 4,5-ethylenedioxy-4'-iodotetrathiafulvalene (EDO-TTF-I) with iodine bonding ability
Y. Nakano, Y. Takahashi, K. Ishida, M. Ishikawa, H. Yamochi, M. Uruichi
Mater. Chem. Front., **2**(4), 752-759 (2018) DOI: 10.1039/c7qm00575j
280. Synthesis and properties of *N*-methylimidazole solvates of vanadium(II), chromium(II) and iron(II) phthalocyanines. Strong NIR absorption in V^{II}(MeIm)₂(Pc²⁻)
D.V. Konarev, A.V. Kuzmin, Y. Nakano, S.S. Khasanov, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
Dalton Trans., **47**(13), 4661-4671 (2018) DOI: 10.1039/c8dt00459e
279. Multifunctional Compound Combining Conductivity and Single-Molecule Magnetism in the Same Temperature Range
N.D. Kushch, L.I. Buravov, P.P. Kushch, G.V. Shilov, H. Yamochi, M. Ishikawa, A. Otsuka, A.A. Shakin, O.V. Maximova, O.S. Volkova, A.N. Vasiliev, E.B. Yagubskii
Inorg. Chem., **57**(5), 2386-2389 (2018) DOI: 10.1021/acs.inorgchem.7b03152
278. Solid State Structure, and Optical and Magnetic Properties, of Free Base Tetra(4-pyridyl)porphyrin {H₂T(4-Py)P}⁻ Radical Anions
D.V. Konarev, A.V. Kuzmin, S.S. Khasanov, A.F. Shestakov, E.I. Yudanova, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
J. Org. Chem., **83**(4), 1861-186 (2018) DOI: 10.1021/acs.joc.7b02791
277. Interligand Charge Transfer in a Complex of Deprotonated cis-Indigo Dianions and Tin(II) Phthalocyanine Radical Anions with Cp*Ir^{III}
D.V. Konarev, L.V. Zorina, S.S. Khasanov, A.F. Shestakov, A.M. Fatalov, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
Inorg. Chem., **57**(2), 583-589 (2018) DOI: 10.1021/acs.inorgchem.7b02351
276. cis-Thioindigo (TI) - a new ligand with accessible radical anion and dianion states. Strong magnetic coupling in the {[TI-(μ₂-O),(μ-O)]Cp*Cr}₂ dimers
D.V. Konarev, S.S. Khasanov, A.F. Shestakov, A.M. Fatalov, M.S. Batov, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
Dalton Trans., **46**(41), 14365-14372 (2017) DOI: 10.1039/c7dt02878d
275. Reaction of tin(IV) phthalocyanine dichloride with decamethylmetallocenes (M = Cr^{II} and Co^{II}). Strong magnetic coupling of spins in (Cp*₂Co⁺){Sn^{IV}Cl₂(Pc^{•3-})⁻·2C₆H₄Cl₂
D.V. Konarev, S.I. Troyanov, A.F. Shestakov, E.I. Yudanova, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
Dalton Trans., **47**(4), 1243-1250 (2017) DOI: 10.1039/c7dt03807k
274. Coordination Complexes of Fullerene C₆₀ with Rhodium {Cp*Rh^{II}(μ-Cl)}₂(η², η²-C₆₀) and (Bu₄N⁺){Cp*Rh^ICl(η²-C₆₀)⁻. Temperature-Induced Charge Transfer from Rh^I to η²-C₆₀
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273. Solid state structures and properties of free-base 5,10,15-triphenylcorrole (TPCor) anions obtained by deprotonation and reduction. Effective magnetic coupling of spins in

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Dalton Trans., **46**(40), 13994-14001 (2017) DOI: 10.1039/c7dt02901b
272. The Concentration Control of Magnetic Fullerene C₆₀^{•-} Radical Anions in a Crystal Lattice of the (Bu₄N⁺)₂{(C₆₀^{•-})·C₆H₄Cl₂}_x {[CpMo(CO)₂C₆₀]}_{2-x} (x=1, 0.74) Complexes
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271. Design and Preparation of a Quantum Spin Liquid Candidate κ-(ET)₂Ag₂(CN)₃ Having a Nearby Superconductivity
T. Hiramatsu, Y. Yoshida, G. Saito, A. Otsuka, H. Yamochi, M. Maesato, Y. Shimizu, H. Ito, Y. Nakamura, H. Kishida, M. Watanabe, R. Kumai
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270. Crystalline salts of metal phthalocyanine radical anions [M(Pc^{•3-})]⁻ (M = Cu^{II}, Pb^{II}, V^{IVO}, Sn^{IV}Cl₂) with cryptand(Na⁺) cations: structure, optical and magnetic properties
D.V. Konarev, M.A. Faraonov, A.V. Kuzmin, S.S. Khasanov, Y. Nakano, S.I. Norko, M.S. Batov, A. Otsuka, H. Yamochi, G. Saito, R.N. Lyubovskaya
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269. Ultrafast electron diffraction study of single-crystal (EDO-TTF)₂SbF₆: Counterion effect and dimensionality reduction
L.C. Liu, Y. Jiang, H.M. Mueller-Werkmeister, C. Lu, G. Moriena, M. Ishikawa, Y. Nakano, H. Yamochi, R.J.D. Miller
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268. Racemic charge-transfer complexes of a helical polycyclic aromatic hydrocarbon molecule
Y. Yoshida, Y. Nakamura, H. Kishida, H. Hayama, Y. Nakano, H. Yamochi, G. Saito
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267. Fullerene C₆₀ dianion salt, (Me₄N⁺)₂(C₆₀²⁻)·(TPC)₂·2C₆H₄Cl₂, where TPC is triptycene, obtained by a multicomponent approach
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266. Tetrabutylammonium Salts of Aluminum(III) and Gallium(III) Phthalocyanine Radical Anions Bonded with Fluoren-9-olato⁻ Anions and Indium(III) Bromide Phthalocyanine Radical Anions
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265. Magnetic-Nonmagnetic Phase Transition with Interlayer Charge Disproportionation of Nb₃ Trimers in the Cluster Compound Nb₃Cl₈
Y. Haraguchi, C. Michioka, M. Ishikawa, Y. Nakano, H. Yamochi, H. Ueda, K. Yoshimura
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264. Charge transfer complexes of metal-free phthalocyanine radical anions with decamethylmetallocenium cations: (Cp*₂Co⁺)(H₂Pc^{•-})·solvent and (Cp*₂Cr⁺)(H₂Pc^{•-})·4C₆H₄Cl₂
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263. The Salts of Copper Octafluoro- and Hexadecafluorophthalocyanines Containing [Cu^{II}(F₈Pc)⁴⁻]²⁻ Dianions and [CuF₁₆Pc]⁻ Monoanions
D.V. Konarev, S.I. Troyanov, A.V. Kuzmin, Y. Nakano, M. Ishikawa, M.A. Faraonov, S.S. Khasanov, A.L. Litvinov, A. Otsuka, H. Yamochi, G. Saito, R.N. Lyubovskaya
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262. Magnetic and Optical Properties of Layered (Me₄P⁺)[M^{IV}O(Pc^{•3-})]^{•-}(TPC)_{0.5}·C₆H₄Cl₂ Salts (M = Ti and V) Composed of π-Stacking Dimers of Titanyl and Vanadyl Phthalocyanine Radical Anions
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261. Spin Crossover in Anionic Cobalt-Bridged Fullerene (Bu₄N⁺){Co(Ph₃P)}₂(μ₂-Cl⁻)(μ₂-η²,η²-C₆₀)₂ Dimers
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258. Cationic π-Stacking Columns of Coronene Molecules with Fully Charged and Charge-Disproportionated States
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257. Bis(N-methylimidazole)-Substituted Neutral Phthalocyanines {M^{III}(MeIm)₂(Pc)^{•3-}}⁰ (M = Al, Ga) Containing Radical Trianionic Phthalocyanine Macrocycles
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253. Synthesis, Structure, and Properties of the Fullerene C₆₀ Salt of Crystal Violet, (CV⁺)(C₆₀⁻)·0.5C₆H₄Cl₂, which Contained Closely Packed Zigzagged C₆₀⁻ Chains
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Y. Yoshida, K. Isomura, H. Kishida, Y. Kumagai, M. Mizuno, M. Sakata, T. Koretsune, Y. Nakano, H. Yamochi, M. Maesato, G. Saito
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251. Charge Transfer Complexes of Fullerenes Containing C₆₀⁻ and C₇₀⁻ Radical Anions with Paramagnetic Co^{II}(dppe)₂Cl⁺ Cations (dppe: 1,2-Bis(diphenylphosphino)ethane)
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