

Original Papers

284. Molecular Structure, Optical, and Magnetic Properties of Free-Base Naphthalocyanine Dianions
D.V. Konarev, S.S. Khasanov, Y. Nakano, A.F. Shestakov, M. Ishikawa, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
Eur. J. Org. Chem., **2018**(26), 3410-3415 (2018) DOI: 10.1002/ejoc.201800364
283. Dianionic Titanyl and Vanadyl (Cation⁺)₂[M^{IV}O(Pc⁴⁻)]²⁻ Phthalocyanine Salts Containing Pc⁴⁻ Macrocycles
D.V. Konarev, A.V. Kuzmin, S.S. Khasanov, A.L. Litvinov, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
Chem. Asian J., **13**(12), 1552-1560 (2018) DOI: 10.1002/asia.201701754
282. Charge-transfer complexes based on C_{2v}-symmetric benzo[*gh*]perylene: comparison of their dynamic and electronic properties with those of D_{6h}-symmetric coronene
Y. Yoshida, S. Tango, K. Isomura, Y. Nakamura, H. Kishida, T. Koretsune, M. Sakata, Y. Nakano, H. Yamochi, G. Saito
Mater. Chem. Front., **2**(6), 1165-1174 (2018) DOI: 10.1039/c8qm00112j
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. Yudanov, 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
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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

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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. Yudanov, 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 (Cp*₂Cr⁺)(H⁺)(H₂TPCor^{•2-})·C₆H₄Cl₂
D.V. Konarev, D.R. Karimov, S.S. Khasanov, A.F. Shestakov, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
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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
D.V. Konarev, S.S. Khasanov, S.I. Troyanov, A. Otsuka, H. Yamochi, H. Kitagawa, R.N. Lyubovskaya
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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
D.V. Konarev, S.I. Troyanov, A. Otsuka, H. Yamochi, G. Saito, R.N. Lyubovskaya
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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
D.V. Konarev, S.S. Khasanov, M. Ishikawa, Y. Nakano, A. Otsuka, H. Yamochi, G. Saito, R.N. Lyubovskaya
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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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Y. Yoshida, H. Ito, Y. Nakamura, M. Ishikawa, A. Otsuka, H. Hayama, M. Maesato, H. Yamochi, H. Kishida, G. Saito
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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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256. Pressure-Tuned Exchange Coupling of a Quantum Spin Liquid in the Molecular Triangular Lattice κ -(ET)₂Ag₂(CN)₃
Y. Shimizu, T. Hiramatsu, M. Maesato, A. Otsuka, H. Yamochi, A. Ono, M. Itoh, M. Yoshida, M. Takigawa, Y. Yoshida, G. Saito
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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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252. Conducting π -Columns of Highly Symmetric Coronene, the Smallest Fragment of Graphene
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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