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Araştırma Alanları

Fizik, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Katı ve sıvı yapılar, kristalografi, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Erciyes Üniversitesi, Fen Fakültesi, Fizik, 1980 - Devam Ediyor

Akademik İdari Deneyim

Erciyes Üniversitesi, 2016 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Novel Benzotriazole- β -lactam Derivatives as Antimalarial Agents: Design, Synthesis, Biological Evaluation and Molecular Docking Studies**
Aye M., Jarrahpour A., Haghighijoo Z., Heiran R., Pournajati R., Karbalaeei-Heidari H. R., Sinou V., Brunel J. M., Akkurt M., Oezdemir N., et al.
CHEMISTRY & BIODIVERSITY, cilt.21, sa.2, 2024 (SCI-Expanded)
- II. **Nonlinear optical properties of novel crystalline complexes of cobalt (II) and nickel (II) with 4-bromo-3-methyl-1H-pyrazole: combined experimental and computational study**
Hussain S., Muhammad S., Talib S. H., Akkurt M., Mahsud A., Yang Z., Wang H., Lu Z.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1296, 2024 (SCI-Expanded)
- III. **Synthesis, structural characterization, Hirshfeld surface analysis and anti-corrosion on mild steel in 1M HCl of ethyl 2-(3-methyl-2-oxo-1,2-dihydroquinoxaline-1-yl)acetate**
Missioui M., Idrissi M. B., Benhiba F., Atioglud Z., AKKURT M., Oudda H., Mague J. T., Essassi E. M., Zarrouk A., Ramli Y.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1251, 2022 (SCI-Expanded)
- IV. **Synthesis, crystal structure, hirshfeld surface analysis, DFT computations and molecular dynamics study of 2-(benzyloxy)-3-phenylquinoxaline**
Abad N., Lgaz H., Atioglu Z., AKKURT M., Mague J. T., Ali I. H., Chung I., Salghi R., Essassi E. M., Ramli Y.
Journal of Molecular Structure, cilt.1221, 2020 (SCI-Expanded)

- V. **Investigation of structural, spectral, electronic, and biological properties of 1,3-disubstituted benzimidazole derivatives**
AKKOÇ S., TÜZÜN B., İLHAN İ. Ö., AKKURT M.
Journal of Molecular Structure, cilt.1219, 2020 (SCI-Expanded)
- VI. **Investigations of antiproliferative and antioxidant activity of beta-lactam morpholino-1,3,5-triazine hybrids**
Ranjbari S., Behzadi M., Sepehri S., Aseman M. D., Jarrahpour A., Mohkam M., Ghasemi Y., Akbarizadeh A. R., Kianpour S., Atioglu Z., et al.
BIOORGANIC & MEDICINAL CHEMISTRY, cilt.28, sa.8, 2020 (SCI-Expanded)
- VII. **New Cobalt(II) and Copper(II) Thiocyanate Complexes of 2,5-Bis(pyridin-2-yl)-1,3,4-oxadiazole Ligand: Synthesis, Crystal Structures, Spectral Properties and Hirshfeld Surface Analysis**
Rhoufal F., Laachir A., Guesmi S., Jouffret L., Sergent N., Obbade S., AKKURT M., Bentiss F.
CHEMISTRYSELECT, cilt.4, sa.26, ss.7773-7783, 2019 (SCI-Expanded)
- VIII. **Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors**
Okten S., Ekiz M., Kocyigit U. M., Tutar A., Celik I., AKKURT M., Gokalp F., Taslimi P., GÜLÇİN İ.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1175, ss.906-915, 2019 (SCI-Expanded)
- IX. **Synthesis of some novel indeno[1,2-b]quinoxalin spiro-beta-lactam conjugates**
Rad J. A., Jarrahpour A., Ersanli C. C., ATİOĞLU Z., AKKURT M., TUROS E.
TETRAHEDRON, cilt.73, sa.8, ss.1135-1142, 2017 (SCI-Expanded)
- X. **Facile and convenient synthesis of 2,4-disubstituted and 2,3,4-trisubstituted 1,3-thiazoles**
Hassan A. A., Mohamed S. K., Mohamed N. K., El-Shaieb K. M. A., Abdel-Aziz A. T., Mague J. T., AKKURT M.
JOURNAL OF SULFUR CHEMISTRY, cilt.37, sa.2, ss.162-175, 2016 (SCI-Expanded)
- XI. **Iron(III) and nickel(II) complexes of O,N,N,O-chelating benzophenone thiosemicarbazone: Electrochemistry and in situ spectroelectrochemistry**
Kurt Y., KOCA A., AKKURT M., Ulkuseven B.
INORGANICA CHIMICA ACTA, cilt.388, ss.148-156, 2012 (SCI-Expanded)
- XII. **STRUCTURE OF DIETHYLGERMANIUM DIPHENYLSILICON OXIDE AND CONFORMATION OF 8-MEMBERED RINGS WITH SILICON AND GERMANIUM**
AKKURT M., KOK T., FALESCHINI P., RANDACCIO L., PUFF H., SCHUH W.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.470, ss.59-66, 1994 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Crystal structure and Hirshfeld surface analysis of 1-[6-bromo-2-(3-bromophenyl)-1,2,3,4-tetrahydroquinolin-4-yl]pyrrolidin-2-one**
Pronina A. A., Kutasevich A. G., Grigoriev M. S., Hasanov K. I., Sadikhova N. D., Javadzade T. A., Akkurt M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 9, ss.967-972, 2024 (ESCI)
- II. **Synthesis, molecular and crystal structure of [(NH₂)₂CSSC(NH₂)₂]₂[RuBr₆]Br₂·3H₂O**
Rudnitskaya O. V., Komarovskikh M. R., Pekarskaya M. G., Pshenichnyy D. S., AKKURT M., Khalilov A. N., Bhattarai A., Mamedov I. G.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 8, ss.886-889, 2024 (ESCI)
- III. **Crystal structure of bis[(η⁵-tert-butylcyclopentadienyl)tricarbonylmolybdenum(I)](Mo-Mo)**
Ibrahimova N. Z., Tagiyev D. B., Lyatifov I. U., AKKURT M., Hasanov K. I., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 8, ss.882-885, 2024 (ESCI)
- IV. **Crystal structure and Hirshfeld surface analysis of 1-[6-bromo-2-(4-fluorophenyl)-1,2,3,4-tetrahydroquinolin-4-yl]pyrrolidin-2-one**
Pronina A. A., Podrezova A. G., Grigoriev M. S., Hasanov K. I., Sadikhova N. D., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 7, ss.777-782, 2024 (ESCI)
- V. **Crystal structure and Hirshfeld surface analysis of (Z)-4-oxo-4-[phenyl]-(thiophen-2-**

yl)methyl]amino}but-2-enoic acid

Podrezova A. G., Nikitina E. V., Grigoriev M. S., AKKURT M., Hasanov K. I., Sadikhova N. D., Bhattarai A.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 6, ss.572-576, 2024 (ESCI)

- VI. **Synthesis, crystal structure and Hirshfeld surface analysis of (3Z)-4-[(4-Amino-1,2,5-oxadiazol-3-yl)amino]-3-bromo-1,1,1-Trifluorobut-3-en-2-one**
Guseinov F. I., Çelikesir S. T., AKKURT M., Ovsyannikov V. O., Ugrak B. I., Lavrova O. M., Samigullina A. I., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 6, ss.582-585, 2024 (ESCI)
- VII. **Crystal structure and Hirshfeld surface analysis of 3,3'-[ethane-1,2-diylbis(oxy)]bis(5,5-dimethylcyclohex-2-en-1-one) including an unknown solvate**
Sadikhova N. D., AKKURT M., Ismayilov V. M., Yusubov N. N., Hasanov K. I., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 6, ss.615-619, 2024 (ESCI)
- VIII. **Crystal structure and Hirshfeld surface analysis of dimethyl 2-oxo-4-(pyridin-2-yl)-6-(thiophen-2-yl)cyclohex-3-ene-1,3-dicarboxylate**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Huseynov E. Z., Bhattarai A., Khalilov A. N., Mamedov İ. G.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 6, ss.654-658, 2024 (ESCI)
- IX. **Crystal structure and Hirshfeld surface analysis of 2,4-diamino-6-[(1*Z*,3*E*)-1-cyano-2,4-diphenylpenta-1,3-dien-1-yl]pyridine-3,5-dicarbonitrile monohydrate**
Mamedov İ. G., Khrustalev V. N., AKKURT M., Kerimli F. S., Bhattarai A., Khalilov A. N., Naghiyev F. N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.80, ss.495-500, 2024 (ESCI)
- X. **Crystal structure and Hirshfeld surface analysis of (Z)-4-([2-(benzo[b]thiophen-3-yl)cyclopent-1-en-1-yl]methyl)(phenyl)amino)-4-oxobut-2-enoic acid**
Yakovleva E. D., Shelukho E. R., Grigoriev M. S., Hasanov K. I., Sadikhova N. D., AKKURT M., Bhattarai A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.80, ss.537-542, 2024 (ESCI)
- XI. **Crystal structure and Hirshfeld surface analysis of dimethyl 4'-bromo-3-oxo-5-(thiophen-2-yl)-3,4,5,6-tetrahydro-[1,1'-biphenyl]-2,4-dicarboxylate**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Asadov K. A., Bhattarai A., Khalilov A. N., Mamedov İ. G.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.80, ss.446-451, 2024 (ESCI)
- XII. **Crystal structure and Hirshfeld surface analysis of 4-oxo-3-phenyl-2-sulfanylidene-5-(thiophen-2-yl)-3,4,7,8,9,10-hexahydro-2H-pyrido[1,6-a:2,3-d']-dipyrimidine-6-carbonitrile**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Mamedov H. M., Bhattarai A., Khalilov A. N., Mamedov İ. G.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 3, ss.325-329, 2024 (ESCI)
- XIII. **Crystal structure and Hirshfeld surface analysis of 6-imino-8-(4-methylphenyl)-1,3,4,6-tetrahydro-2H-pyrido[1,2-a]pyrimidine-7,9-dicarbonitrile**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Dobrokhotova E. V., Bhattarai A., Khalilov A. N., Mamedov İ. G.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 4, ss.378-382, 2024 (ESCI)
- XIV. **Syntheses, characterizations, crystal structures and Hirshfeld surface analyses of methyl 4-[4-(difluoro-methoxy)phenyl]-2,7,7-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate, isopropyl 4-[4-(difluoromethoxy)phenyl]-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate and tert-butyl 4-[4-(difluoromethoxy)phenyl]-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate**
Yıldırım S. Ö., AKKURT M., Pehlivanlar E., ÇETİN G., ŞİMŞEK R., Butcher R. J., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, ss.281-288, 2024 (ESCI)
- XV. **Crystal structure and Hirshfeld surface analysis of 8-benzyl-1-[(4-methylphenyl)sulfonyl]-2,7,8,9-tetrahydro-1H-3,6:10,13-diepoxy-1,8-benzodiazacyclopentadecine ethanol hemisolvate**
Burkin G. M., Kvyatkovskaya E. A., Khrustalev V. N., Hasanov K. I., Sadikhova N. D., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 4, ss.418-422, 2024 (ESCI)
- XVI. **Crystal structure and Hirshfeld surface analysis of (E)-2-[2-(2-amino-1-cyano-2-oxoethylidene)hydrazin-1-yl]benzoic acid N,N-dimethylformamide monosolvate**
Hajiyeva S. R., Huseynov F. E., Atioğlu Z., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, cilt.80, ss.110-116, 2024 (ESCI)
- XVII. **Crystal structures and Hirshfeld surface analyses of methyl 4-{2,2-dichloro-1-(E)-**

phenyldiazenyl]eth-enyl}benzoate, methyl 4-{2,2-dichloro-1-[(E)-(4-methylphenyl)diazenyl]ethenyl}benzoate and methyl 4-{2,2-dichloro-1-[(E)-(3,4-dimethylphenyl)-diazenyl]ethenyl}benzoate

Shikhaliyev N. Q., Ibrahimova S. A., Atakishiyeva G. T., Ahmedova N. E., Babayeva G. V., Khrustalev V. N., Atioglu Z., AKKURT M., Bhattarai A.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, ss.184-190, 2024 (ESCI)

XVIII. Crystal structure and Hirshfeld surface analysis of (2E)-1-phenyl-3-(1H-pyrrol-2-yl)propen-1-one

Safarova A. S., Khalilov A. N., AKKURT M., Maharramov A. M., Bhattarai A., Naghiyev F. N., Mamedov I. G.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, ss.191-195, 2024 (ESCI)

XIX. Crystal structure and Hirshfeld surface analysis of 4-(2-chloroethyl)-5-methyl-1,2-dihydropyrazol-3-one

Naghiyev F. N., Khrustalev V. N., AKKURT M., Dukhnovsky E. A., Bhattarai A., Khalilov A. N., Mamedov I. G.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, ss.223-227, 2024 (ESCI)

XX. Crystal structure and Hirshfeld surface analysis of 3-benzyl-2-[bis(1H-pyrrol-2-yl)methyl]thiophene

Sadikhova N. D., Atioglu Z., Guliyeva N. A., Shelukho E. R., Polyanskaya D. K., Khrustalev V. N., AKKURT M., Bhattarai A.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 1, ss.72-77, 2024 (ESCI)

XXI. Crystal structure and Hirshfeld surface analysis of diethyl (3aS,3a1R,4S,5S,6R,6aS,7R,9aS)-3a1,5,6,6a-tetrahydro-1H,3H,4H,7H-3a,6:7,9a-diepoxybenzo[de]isochromene-4,5-dicarboxylate

Sadikhova N. D., Atioglu Z., Guliyeva N. A., Podrezova A. G., Nikitina E. V., AKKURT M., Bhattarai A.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 1, ss.83-87, 2024 (ESCI)

XXII. Crystal structure and Hirshfeld surface analysis of dimethyl 4-hydroxy-5,4'-dimethyl-2'-(toluene-4-sulfonylamino)biphenyl-2,3-dicarboxylate

Guliyeva N. A., Burkin G. M., Annadurdyeva S., Khrustalev V. N., Atioglu Z., AKKURT M., Bhattarai A.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 1, ss.62-66, 2024 (ESCI)

XXIII. Crystal structure of [1,3-bis(2,4,6-trimethylphenyl)imidazolidin-2-ylidene]dichlorido(2-[(2-methoxyethyl)(methyl)amino]methyl)benzylidene)ruthenium

Mammadova G. Z., Atioglu Z., AKKURT M., Grigoriev M. S., Volchkov N. S., Azizova A. N., Bhattarai A., Antonova A. S.

Acta Crystallographica Section E: Crystallographic Communications, cilt.80, sa.Pt 1, ss.50-53, 2024 (ESCI)

XXIV. CRYSTAL STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF 4-{2,2-DICHLORO-1-[(E)-(2,4-DICHLOROPHENYL)DIAZENYL]ETHENYL}-N,N-DIMETHYLANILINE 4-{2,2-DİXLOR-1-[(E)-(2,4-DİXLORFENİL)DİAZENİL]ETENİL}-N,N-DİMETİLANİLİN KRİSTAL QURULUŞU VƏ HİRŞFELD SƏTH ANALIZI KRİSTAL LİÇESKAYA STRUKTUR İ ANALİZ PÖVERXNOSTI PÖ XİRŞFEL'DU 4-{2,2-DİXLOR-1-[(E)-(2,4-DİXLORFENİL)DİAZENİL]ETENİL}-N,N-DİMETİLANİLİN

Maharramov A., Askerova U., Ahmedova N., Askarov A., Tagiyev D., Gahramanova S., Shikhaliyeva I., Mukhtarova S., Akkurt M.

Chemical Problems, cilt.22, sa.4, ss.499-508, 2024 (Scopus)

XXV. CRYSTAL STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF 4AZIDO-2-(4-METHOXYPHENYL)-5-(2-NITROPHENYL)-2H-1,2,3-TRIAZOLE SYNTHESIZED ON THE BASIS OF DIBROMODIAZADIENE

Abdullayeva A. A., Ahmedova N. E., Atakishiyeva G. T., Ahmedova I. C., Babazade B. M., Akkurt M., Maharramov A. M., Shikhaliyev N. Q.

NEW MATERIALS COMPOUNDS AND APPLICATIONS, cilt.8, sa.2, ss.149-161, 2024 (ESCI)

Desteklenen Projeler

AKKURT M., PINAR Ş., Yükseköğretim Kurumları Destekli Proje, BAZI ORGANİK VE METAL ORGANİK BİLEŞİKLERİN X-İŞINLARI TEK KRİSTAL KİRİNİM YÖNTEMİ İLE YAPI ANALİZİ, 2006 - 2023

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Akademi Dışı Deneyim

Erciyes Üniversitesi, Öğretim Üyesi