

Doç.Dr. SAVAŞ KAYA

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2013 - 2017

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2011 - 2013

Lisans, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2007 - 2011

Yaptığı Tezler

Doktora, Kimyasal sertlik ve elektronegatiflik kavramlarına ilişkin dengelenme ilkelerinin kimyadaki bazı yeni uygulamaları, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2017

Yüksek Lisans, İzoelektronik serilerde kimyasal sertlik ve mutlak elektronegatifliğin incelenmesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2013

Araştırma Alanları

Kimya

Akademik Unvanlar / Görevler

Doç.Dr., Sivas Cumhuriyet Üniversitesi, Sağlık Hizmetleri Meslek Yüksekokulu, Eczacılık Bölümü, 2013 - Devam Ediyor

Akademik İdari Deneyim

Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Mülkiyet Koruma Ve Güvenlik Bölümü, 2013 - Devam Ediyor

Verdiği Dersler

Temel Kimya, Ön Lisans, 2020 - 2021

Çevre Sağlığı ve Koruma, Ön Lisans, 2020 - 2021

Temel Kimya, Ön Lisans, 2020 - 2021

İtfaiye Araç ve Malzeme Bilgisi - II, Ön Lisans, 2018 - 2019

Yapı ve Elektrik İşlerinde İSG, Ön Lisans, 2018 - 2019

Arama Kurtarma Teknikleri, Ön Lisans, 2018 - 2019

İş Sağlığı ve Güvenliği Risk Analizi, Ön Lisans, 2019 - 2020

Genel Kimya, Ön Lisans, 2019 - 2020

İş Kazaları ve Raporlama, Ön Lisans, 2018 - 2019

Toksikoloji ve Zehirlenmeler, Ön Lisans, 2019 - 2020

Temel Elektrik ve Elektronik Bilgisi, Ön Lisans, 2018 - 2019
Kimyasallar ve Tehlikeleri, Ön Lisans, 2018 - 2019
İtfaiye Araç ve Malzeme Bilgisi - I, Ön Lisans, 2018 - 2019
Toksikoloji ve Zehirlenmeler, Ön Lisans, 2016 - 2017, 2017 - 2018
Taşıma ve Depolama, Ön Lisans, 2017 - 2018
Uyarı İşaretleri ve Levha Standartları, Ön Lisans, 2018 - 2019
Kimyasallar ve Tehlikeleri, Ön Lisans, 2017 - 2018
Genel Kimya, Ön Lisans, 2016 - 2017, 2017 - 2018
Taşıma ve Depolama, Ön Lisans, 2016 - 2017, 2017 - 2018
Matematik - I, Ön Lisans, 2016 - 2017
Matematik 2, Ön Lisans, 2016 - 2017
Matematik 1, Ön Lisans, 2016 - 2017
Matematik - II, Ön Lisans, 2016 - 2017
İlk Yardım ve Sağlık Bilgisi, Ön Lisans, 2016 - 2017
İngilizce - I, Ön Lisans, 2016 - 2017
İngilizce 1, Ön Lisans, 2016 - 2017
Bilgisayar - I, Ön Lisans, 2016 - 2017
İngilizce - II, Ön Lisans, 2015 - 2016
Atatürk İlkeleri ve İnkılap Tarihi - I, Ön Lisans, 2014 - 2015
Ticari Matematik, Ön Lisans, 2013 - 2014
Bilgisayarlı Muhasebe, Ön Lisans, 2013 - 2014

Jüri Üyelikleri

Yarışma, TÜBİTAK - 2204 - B ORTAOKUL ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, Ekim, 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Molecular dynamic simulations and computational DFT of adsorption performances of malachite green on the metal fluorides in aqueous medium**
Boumya W., Khnifira M., Abdennouri M., KAYA S., Achak M., Barka N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1270, 2022 (Hakemli Dergi)
- II. **Effect of electron donors on the photophysical and theoretical properties of BODIPY dyes based on tetrazolo[1,5-a]quinoline**
Arslana B. S., Derin Y., Misir B. A., KAYA S., ŞİŞMAN İ., TUTAR A., NEBİOĞLU M.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1267, 2022 (Hakemli Dergi)
- III. **Experimental, DFT and MC simulation analysis of Vicia Sativa weed aerial extract as sustainable and eco-benign corrosion inhibitor for mild steel in acidic environment**
Thakur A., KAYA S., Abousalem A. S., Kumar A.
SUSTAINABLE CHEMISTRY AND PHARMACY, cilt.29, 2022 (Hakemli Dergi)
- IV. **Adsorption study of N (-benzo[d]thiazol-2-yl)-1-(thiophene-2-yl) methanimine at mild steel/aqueous H₂SO₄ interface**
Singh A. K., Singh M., Thakur S., Pani B., KAYA S., EL Ibrahim B., Marzouki R.
SURFACES AND INTERFACES, cilt.33, 2022 (Hakemli Dergi)
- V. **Combined experimental and theoretical analyses on design, synthesis, characterization, and in vitro cytotoxic activity evaluation of some novel imino derivatives containing pyrazolone ring**
Basaran E., ÇAKMAK R., AKKOÇ S., KAYA S.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1265, 2022 (Hakemli Dergi)
- VI. **Insights into the role of nanotechnology on the performance of biofuel cells and the production of**

viable biofuels: A review

Assad H., KAYA S., Kumar P. S., Vo D. N., Sharma A., Kumar A.
FUEL, cilt.323, 2022 (Hakemli Dergi)

- VII. **Insight of development of two cured epoxy polymer composite coatings as highly protective efficiency for carbon steel in sodium chloride solution: DFT, RDF, FFV and MD approaches**
Hssissou R., Azogagh M., Benhiba F., Echihi S., Galai M., Shaim A., Bahaj H., Briche S., KAYA S., Serdaroglu G., et al.
JOURNAL OF MOLECULAR LIQUIDS, cilt.360, 2022 (Hakemli Dergi)
- VIII. **Effect of Hemp Fiber Addition on Mechanical Properties of Acrylic Resin: Coupled Experimental and Theoretical Study**
BOLAYIR G., SOYGUN K., KILIÇ AVŞAR M., BOZTUĞ A., KAYA S., Katin K. P.
FIBERS AND POLYMERS, cilt.23, sa.8, ss.2271-2278, 2022 (Hakemli Dergi)
- IX. **An investigation on the synthesis, characterization and anti-corrosion properties of choline based ionic liquids as novel and environmentally friendly inhibitors for mild steel corrosion in 5% HCl**
Mobin M., Aslam R., Salim R., KAYA S.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.620, ss.293-312, 2022 (Hakemli Dergi)
- X. **Designing new donors organic compounds with IDIC core for photovoltaic application**
Nebbach D., Agda F., Lakhlifi T., Ajana M. A., Kaya S., Siddique F., Lgaz H., Bouachrine M.
OPTIK, cilt.262, 2022 (Hakemli Dergi)
- XI. **Handling Keywords: MXene Nanomaterial Hazardous pollutant Adsorption Environmental remediation**
Assad H., Fatma I., Kumar A., KAYA S., Vo D. N., Al-Gheethi A., Sharma A.
CHEMOSPHERE, cilt.298, 2022 (Hakemli Dergi)
- XII. **Experimental and density functional theoretical modeling of triazole pesticides extraction by Ti2C nanosheets as a sorbent in dispersive solid phase extraction method before HPLC-MS/MS analysis**
Marzi Khosrowshahi E., Afshar Mogaddam M. R., Javadzadeh Y., ALTUNAY N., Tuzen M., KAYA S., Ghalkhani M., Farajzadeh M. A., Nemati M.
Microchemical Journal, cilt.178, 2022 (Hakemli Dergi)
- XIII. **Crystal chemistry, DFT calculation and optical properties of the double perovskite stannate Sr₂Sn_{0.8}In_{0.8}W_{0.4}O₆**
Belgacem B., Maslov M. M., KAYA S., Ali I. H., Ben Hassen R.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1259, 2022 (Hakemli Dergi)
- XIV. **Quantum chemical and molecular dynamics simulation approach to investigate adsorption behaviour of organic azo dyes on TiO₂ and ZnO surfaces**
Mandal S., Zamindar S., Sarkar S., Murmu M., Guo L., KAYA S., Hirani H., Banerjee P.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2022 (Hakemli Dergi)
- XV. **New mixed-ligand iron(III) complexes containing thiocarbohydrazones: Preparation, characterization, and chemical reactivity analysis through theoretical calculations**
KAYA Y., ERÇAĞ A., KAYA S., Katin K. P., ATILLA D.
APPLIED ORGANOMETALLIC CHEMISTRY, 2022 (Hakemli Dergi)
- XVI. **On the Prediction of Lattice Energy with the Fukui Potential: Some Supports on Hardness Maximization in Inorganic Solids**
KAYA S., Robles-Navarro A., Mejia E., Gomez T., Cardenas C.
JOURNAL OF PHYSICAL CHEMISTRY A, 2022 (Hakemli Dergi)
- XVII. **Removal of erythrosine B dye from wastewater using chitosan boric acid composite material: Experimental and density functional theory findings**
Cetinkaya H. F., SARIOĞLU CEBECİ M., KAYA S., Jalbani N. S., Maslov M. M., Marzouki R.
JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, 2022 (Hakemli Dergi)
- XVIII. **Experimental and density functional theory studies during a new solid phase extraction of phenolic compounds from wastewater samples prior to GC-MS determination**
Farajzadeh M. A., Nemati M., ALTUNAY N., Tuzen M., KAYA S., Kheradmand F., Afshar Mogaddam M. R.
Microchemical Journal, cilt.177, 2022 (Hakemli Dergi)

- XIX. **Computational and experimental studies on the corrosion inhibition performance of an aerial extract of Cnicus Benedictus weed on the acidic corrosion of mild steel**
Thakur A., KAYA S., Abousalem A. S. , Sharma S., Ganjoo R., Assad H., Kumar A.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, cilt.161, ss.801-818, 2022 (Hakemli Dergi)
- XX. **An insight about the interaction of Aryl Benzothiazoles with mild steel surface in aqueous HCl solution**
Sheetal S., Sengupta S., Singh M., Thakur S., Pani B., Banerjee P., KAYA S., Singh A. K.
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- XXI. **Fluorinated carbon and boron nitride fullerenes for drug Delivery: Computational study of structure and adsorption**
Kalika E. B. , Katin K. P. , Kochaev A., KAYA S., ELİK M., Maslov M. M.
JOURNAL OF MOLECULAR LIQUIDS, cilt.353, 2022 (Hakemli Dergi)
- XXII. **Theoretical and experimental insights about the adsorption of uranyl ion on a new designed Vermiculite-Polymer composite**
Şimşek S., Kaya S., Mine Şenol Z. M. , Ulusoy H. İ. , Katin K., Özer A., Altunay N., Brahmia A.
Journal of Molecular Liquids, cilt.352, 2022 (Hakemli Dergi)
- XXIII. **One-Pot Hydrothermal Synthesized Nitrogen and Sulfur Codoped Carbon Dots for Acid Corrosion Inhibition of Q235 Steel br**
Guo L., Zhu M., He Z., Zhang R., KAYA S., Lin Y., Saji V. S.
LANGMUIR, cilt.38, sa.13, ss.3984-3992, 2022 (Hakemli Dergi)
- XXIV. **A comprehensive and current review on the role of flavonoids in lung cancer–Experimental and theoretical approaches**
BERK Ş., KAYA S., Akkol E. K. , BARDAKCI H.
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- XXV. **Natural corrosion inhibitor of renewable eco-waste for SS-410 in sulfuric acid medium: adsorption, electrochemical, and computational studies**
Prasad D., Singh R., KAYA S., el Ibrahim B.
JOURNAL OF MOLECULAR LIQUIDS, cilt.351, 2022 (Hakemli Dergi)
- XXVI. **Can van der Waals constants be used in the chemical reactivity analysis? A new approach as a support to minimum magnetizability principle**
KAYA S., ŞİMŞEK S.
JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, 2022 (Hakemli Dergi)
- XXVII. **Synthesis, spectral characterization, chemical reactivity and anticancer behaviors of some novel hydrazone derivatives: Experimental and theoretical insights**
ÇAKMAK R., Basaran E., KAYA S., ERKAN S.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1253, 2022 (Hakemli Dergi)
- XXVIII. **A benzimidazolium salt as effective corrosion inhibitor against the corrosion of mild steel in acidic medium: experimental and theoretical studies**
ŞAHİN N., KAYA S., Aydin O., Katin K. P. , Chaouiki A., GÜRBÜZ N., ÖZDEMİR İ., FARSAK M.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2022 (Hakemli Dergi)
- XXIX. **Kaya's composite descriptor and Maximum Composite Hardness Rule for chemical reactions**
KAYA S., ÖZBAKIR İŞİN D., KARAKUŞ N.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, cilt.99, sa.3, 2022 (Hakemli Dergi)
- XXX. **Novel gossypol-indole modification as a green corrosion inhibitor for low-carbon steel in aggressive alkaline-saline solution**
Berdimurodov E., Kholikov A., Akbarov K., Guo L., KAYA S., Katin K. P. , Verma D. K. , Rbaa M., Dagdag O., Haldhar R.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.637, 2022 (Hakemli Dergi)
- XXXI. **Development of dispersive solid-liquid extraction method based on organic polymers followed by deep eutectic solvents elution; application in extraction of some pesticides from milk samples prior to their determination by HPLC-MS/MS**
Nemati M., TÜZEN M., Farazajdeh M. A. , KAYA S., Mogaddam M. R. A.

ANALYTICA CHIMICA ACTA, cilt.1199, 2022 (Hakemli Dergi)

- XXXII. **Development of QSAR-based (MLR/ANN) predictive models for effective design of pyridazine corrosion inhibitors**
Quadri T. W. , Olasunkanmi L. O. , Akpan E. D. , Fayemi O. E. , Lee H., Lgaz H., Verma C., Guo L., KAYA S., Ebenso E. E.
MATERIALS TODAY COMMUNICATIONS, cilt.30, 2022 (Hakemli Dergi)
- XXXIII. **Suppressing inhibitory compounds by nanomaterials for highly efficient biofuel production: A review**
Thakur A., Kumar A., KAYA S., Vo D. N. , Sharma A.
FUEL, cilt.312, 2022 (Hakemli Dergi)
- XXXIV. **Mathematical modeling studies for the adsorptive removal of ciprofloxacin drug from water samples using functionalized silica resin**
Junejo R., Jalbani N. S. , KAYA S., SERDAROĞLU G., ELİK M.
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- XXXV. **Non-fullerene acceptor IDIC based on indacinodithiophene used as an electron donor for organic solar cells: A computational study**
Nebbach D., Agda F., KAYA S., Siddique F., Lakhli T., Ajana M. A. , Bouachrine M.
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- XXXVI. **Experimental and DFT Modeling Studies for the Adsorptive Removal of Reactive Dyes from Wastewater**
Junejo R., Shams Jalbani N., KAYA S., SERDAROĞLU G., ŞİMŞEK S., Memon S.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.57, sa.3, ss.339-353, 2022 (Hakemli Dergi)
- XXXVII. **An experimental and theoretical approach to electrochemical sensing of environmentally hazardous dihydroxy benzene isomers at polysorbate modified carbon paste electrode**
Ganesh P., Kim S., KAYA S., Salim R.
SCIENTIFIC REPORTS, cilt.12, sa.1, 2022 (Hakemli Dergi)
- XXXVIII. **Ab Initio Insight into the Interaction of Metal-Decorated Fluorinated Carbon Fullerenes with Anti-COVID Drugs**
Katin K. P. , Kochaev A. I. , KAYA S., El-Hajjaji F., Maslov M. M.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, cilt.23, sa.4, 2022 (Hakemli Dergi)
- XXXIX. **Novel glycoluril pharmaceutically active compound as a green corrosion inhibitor for the oil and gas industry**
Berdimurodov E., Kholikov A., Akbarov K., Guo L., KAYA S., Verma D. K. , Rbaa M., Dagdag O.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.907, 2022 (Hakemli Dergi)
- XL. **Phenylamine/Amide Grafted in Silica as Sensing Nanocomposites for the Removal of Carbamazepine: A DFT Approach**
Algarra M., Jodeh S., Aqel I., Hanbali G., Radi S., Tighadouini S., Alkowni R., Soto J., Samhan S., KAYA S., et al.
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- XLI. **Recent Innovations in Nano Container-Based Self-Healing Coatings in the Construction Industry**
Thakur A., KAYA S., Kumar A.
CURRENT NANOSCIENCE, cilt.18, sa.2, ss.203-216, 2022 (Hakemli Dergi)
- XLII. **Equilibrium, thermodynamic, and kinetic modeling studies for the adsorptive removal of oxyanions from water**
Junejo R., Shams Jalbani N., KAYA S., SERDAROĞLU G., ELİK M., Memon S.
SEPARATION SCIENCE AND TECHNOLOGY, 2021 (Hakemli Dergi)
- XLIII. **Spectral studies and quantum chemical ab initio calculations for Copper(II) complexes of two heterocyclic aroylhydrazones**
Sheeja S. R. , Mangalam N. A. , Sithambaresan M., Kurup M. R. P. , Kaya S., Serdaroğlu G.
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- XLIV. **Performance of curing epoxy resin as potential anticorrosive coating for carbon steel in 3.5% NaCl medium: Combining experimental and computational approaches**
Hssissou R., Benhiba F., Echihi S., Benzidia B., Cherrouf S., Haldhar R., Alvi P. A. , KAYA S., SERDAROĞLU G., Zarrouk

A.

CHEMICAL PHYSICS LETTERS, cilt.783, 2021 (Hakemli Dergi)

- XLV. **Synthesis, spectroscopic characterization, DFT calculations, and molecular docking studies of new unsymmetric bishydrazone derivatives**
Kaya Y., Erçağ A., Serdaroglu G., Kaya S., Grillo I. B. , Rocha G. B.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1244, 2021 (Hakemli Dergi)
- XLVI. **Inhibition effect of newly synthesized benzoxanthonederivative on hydrogen evolution and Q235 steelcorrosion in 15% HCl under hydrodynamic condition: Combination of experimental, surface and computational study**
Singh A., Bedi P., Ansari K. R. , Pramanik T., Chaudhary D., Santra S., Alanazi A. K. , Das S., Quraishi M. A. , Lin Y., et al.
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- XLVII. **Experimental and theoretical investigation on the inhibition performance of disulfide derivatives on cobalt corrosion in alkaline medium**
Ma T., Tan B., Guo L., Wang W., Li W., Ji J., Yan M., KAYA S.
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- XLVIII. **Novel bromide-cucurbit[7]uril supramolecular ionic liquid as a green corrosion inhibitor for the oil and gas industry**
Berdimurodov E., Kholikov A., Akbarov K., Guo L., KAYA S., Katin K. P. , Verma D. K. , Rbaa M., Dagdag O., Haldhar R.
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- XLIX. **Multidimensional insights into the corrosion inhibition of potassium oleate on Cu in alkaline medium: A combined Experimental and theoretical investigation**
Ma T., Tan B., Guo L., KAYA S., Kao Z., Zhang S., Wang R., Zeng N., He Y.
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- L. **Papaver somniferum as an efficient corrosion inhibitor for iron alloy in acidic condition: DFT, MC simulation, LCMS and electrochemical studies**
Haldhar R., Kim S., Prasad D., Bedair M. A. , Bahadur I., KAYA S., Dagdag O., Guo L.
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- LI. **Electrochemical investigations and theoretical studies of biocompatible niacin-modified carbon paste electrode interface for electrochemical sensing of folic acid**
Ganesh P., Kim S., Choi D., KAYA S., SERDAROĞLU G., Shimoga G., Shin E., Lee S.
JOURNAL OF ANALYTICAL SCIENCE AND TECHNOLOGY, cilt.12, sa.1, 2021 (Hakemli Dergi)
- LII. **Molecular modelling of compounds used for corrosion inhibition studies: a review**
Ebenso E. E. , Verma C., Olasunkanmi L. O. , Akpan E. D. , Verma D. K. , Lgaz H., Guo L., KAYA S., Quraishi M. A.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.23, ss.19987-20027, 2021 (Hakemli Dergi)
- LIII. **Novel antioxidant quinoxaline derivative: Synthesis, crystal structure, theoretical studies, antidiabetic activity and molecular docking study**
Missioui M., Mortada S., Guerrab W., Serdaroglu G., KAYA S., Mague J. T. , Essassi E. M. , Faouzi M. E. A. , Ramli Y.
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- LIV. **Decyltriphenylphosphonium bromide containing hydrophobic alkyl-chain as a potential corrosion inhibitor for mild steel in sulfuric acid: Theoretical and experimental studies**
Goyal M., Vashisht H., Alrefae S. H. , Jain R., Kumar S., KAYA S., Guo L., Verma C.
JOURNAL OF MOLECULAR LIQUIDS, cilt.336, 2021 (Hakemli Dergi)
- LV. **Chemical characterization and evaluation of the neuroprotective potential of Indigofera sessiliflora through in-silico studies and behavioral tests in scopolamine-induced memory compromised rats**
Haider M. S. , Ashraf W., Javaid S., Rasool M. F. , Rahman H. M. A. , Saleem H., Anjum S. M. M. , Siddique F., Morales-Bayuelo A., KAYA S., et al.
SAUDI JOURNAL OF BIOLOGICAL SCIENCES, cilt.28, sa.8, ss.4384-4398, 2021 (Hakemli Dergi)
- LVI. **Investigation of plant waste as a renewable biomass source to develop efficient, economical and eco-friendly corrosion inhibitor**
Haldhar R., Prasad D., Bahadur I., Dagdag O., KAYA S., Verma D. K. , Kim S.

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- LVII. **Quantum chemical studies and electrochemical investigations of pyrogallol red modified carbon paste electrode fabrication for sensor application**
Ganesh P., Shimoga G., Kim S., Lee S., KAYA S., Salim R.
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- LVIII. **Corrosion inhibition, surface adsorption and computational studies of Swertia chirata extract: A sustainable and green approach**
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- LIX. **Thermo-magnetic properties of the screened Kratzer potential with spatially varying mass under the influence of Aharonov-Bohm(AB) and position-dependent magnetic fields**
Edet C. O., Ikot A. N., Onyeaju M. C., Okorie U. S., Rampho G. J., Lekala M. L., KAYA S.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.131, 2021 (Hakemli Dergi)
- LX. **Zeolite/Cellulose Acetate (ZCA) in Blend Fiber for Adsorption of Erythromycin Residue From Pharmaceutical Wastewater: Experimental and Theoretical Study**
Jodeh S., Erman I., Hamed O., Massad Y., Hanbali G., Samhan S., Dagdag O., KAYA S., SERDAROĞLU G.
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- LXI. **Synthesis, identification, density functional and Hirshfeld surface studies of 2,2'-disulfanediybis(tetrahydro-4H-cyclopenta[d][1,3,2]dioxaphosphole-2-sulfide)**
Mkadmh A. M., Safi Z. S., Elkhaldy A. A., Staples R. J., KAYA S., SERDAROĞLU G.
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- LXII. **Probing of Neural Networks as a Bridge from Ab Initio Relevant Characteristics to Differential Scanning Calorimetry Measurements of High-Energy Compounds**
Bondarev N., Katin K. P., Merinov V. B., Kochaev A., KAYA S., Maslov M. M.
PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS, 2021 (Hakemli Dergi)
- LXIII. **Two empirical formulae for estimating standard entropy of inorganic ionic solids and a possible connection between two associated electronic structure principles**
KAYA S., Chattaraj P. K., SERDAROĞLU G.
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- LXIV. **Strontium Stannate as an Alternative Anode Material for Li-Ion Batteries**
Zulueta Y. A., Mut R., KAYA S., Dawson J. A., Minh Tho Nguyen M. T. N.
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- LXV. **Quantum Chemical Studies and Electrochemical Investigations of Polymerized Brilliant Blue-Modified Carbon Paste Electrode for In Vitro Sensing of Pharmaceutical Samples**
Ganesh P., Kim S., KAYA S., Salim R., Shimoga G., Lee S.
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- LXVI. **Adsorption of Eriochrome Black T on the chitin surface: Experimental study, DFT calculations and molecular dynamics simulation**
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