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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Gebze Technical University	Chemistry (Phd)	2017 - 2024
Master's Degree	Ege University	Nuclear Sciences (Master's) (with Thesis)	2011 - 2013
Bachelor's Degree	Ege University	Chemistry Department	2006 - 2011

RESEARCH AREAS

Chemistry, Analytical Chemistry, Metal-Organic Frameworks

ACADEMIC DUTIES

Duty	University	Area	Year(s)
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ADMINISTRATIVE DUTIES

Duty	University	Year(s)
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ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
Kimyagerler Derneği	Member	2008 -

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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BOOKS

ARTICLES

A systematic look at structural diversity of metal phosphonates

BULUT AYSUN,DOĞAN BİNGÖLBALİ NURCAN,KİRPİ ERDOĞAN,ZORLU YUNUS,YÜCESAN GÜNDOĞ
European Journal of Inorganic Chemistry, 2023

International

A cobalt arylphosphonate MOF – superior stability, sorption and magnetism

ZORLU YUNUS,ERBAHAR DOĞAN,çetinkaya ahmet,BULUT AYSUN,Erkal Selman,YAZAYDIN AHMET OZGUR,Beckmann
Jens,Yücesan Gündoğ
CHEMICAL COMMUNICATIONS, 2019

International

The use of sea shell (Donax trunculus) powder to remove Sr(II) ions from aqueous solutions

BULUT AYSUN,YUŞAN SABRİYE,AYTAŞ ŞULE,SERT ŞENOL
WATER SCIENCE AND TECHNOLOGY, 2018

International

Artificial Neural Network (ANN) Approach for Modeling of Sr(II) Adsorption from Aqueous Solution by Natural Calcium-based Materials

BULUT AYSUN,YUŞAN SABRİYE,AYTAŞ ŞULE,SERT ŞENOL,AKPOLAT OĞUZ
Research Journal of Environmental Sciences, 2018

International DOI: 10.3923/rjes.2018.121.131

ARTICLES

Mimicking cellular phospholipid bilayer packing creates predictable crystalline molecular metal–organophosphonate macrocycles and cages

BULUT AYSUN, MAARES MARIA, ATAK KAAAN, ZORLU YUNUS, ÇOŞUT BÜNYEMİN, ZUBIETA JON, Beckmann Jens, HAASE HAJO, YÜCESAN GÜNDOĞ
CRYSTENGCOMM, 2018

International

Short Naphthalene Organophosphonate Linkers to Microporous Frameworks

BULUT AYSUN, ZORLU YUNUS, Wörle Michael, Çetinkaya Ahmet, KURT HÜSEYİN, Tam Benjamin, yazaydın özgür, Beckmann Jens, YÜCESAN GÜNDOĞ
ChemistrySelect, 2017

International DOI: 10.1002/slct.201701411

From Tetrahedral Tetraphosphonic Acids E[p-C6H4P(O)(OH)(2)](4) (E=C, Si) to Porous Cu- and Zn-MOFs with Large Surface Areas

Schütrumpf Alexandra, BULUT AYSUN, Hermer Nele, ZORLU YUNUS, KİRPİ ERDOĞAN, Stock Norbert, yazaydın Özgür, YÜCESAN GÜNDOĞ, Beckmann Jens
Chemistry Select Communications, 2017

International DOI: 10.1002/slct.201700573

A potential Cu/V-organophosphonate platform for tailored void spaces via terpyridine mold casting

BULUT AYSUN, Wörle Michael, ZORLU YUNUS, KİRPİ ERDOĞAN, Zubieta Jon, Grabowsky Simon, Beckmann Jens, YÜCESAN GÜNDOĞ

Structural Science Crystal Engineering Materials, 2017

International DOI: 10.1107/S2052520617000245

Rational Design of Two Dimensional Bimetallic Wave Structures from Zigzag Chains via Site Specific Coordination around the 2,6-Naphthalenediphosphonic Acid Motif

BULUT AYSUN, ZORLU YUNUS, WORLE MICHAEL, PAŞA SALİH, KURT HÜSEYİN, ZUBIETA JON, BECKMANN JENS, YÜCESAN GÜNDOĞ

European Journal of Inorganic Chemistry, 2016

International DOI: 10.1002/ejic.201600309

Synthesis of Cu II Organophosphonate Framework with Predefined Void Spaces

BULUT AYSUN, ZORLU YUNUS, KİRPİ ERDOĞAN, Çetinkaya Ahmet, Wörle Michael, Beckmann Jens, YÜCESAN GÜNDOĞ
Crystal Growth & Design, 2015

International DOI: 10.1021/acs.cgd.5b01319

Tetrahedral Tetraphosphonic Acids New Building Blocks in Supramolecular Chemistry

Schütrumpf Alexandra, KİRPİ ERDOĞAN, BULUT AYSUN, Morel Flavien L., Ranocchiari Marco, Lork Enno, ZORLU YUNUS, Grabowsky Simon, YÜCESAN GÜNDOĞ, Beckmann Jens

Crystal Growth & Design, 2015

International DOI: 10.1021/acs.cgd.5b00811

Macrocyclic Cu II organophosphonate building block with room temperature magnetic ordering

BULUT AYSUN, ZORLU YUNUS, RAMAZAN TOPKAYA, AKTAŞ BEKİR, SEVTAP DOĞAN, KURT HÜSEYİN, YÜCESAN GÜNDOĞ

Dalton Trans., 2015

International DOI: 10.1039/C5DT01596K

PROCEEDINGS

Synthesis of Molecular Metal Organophosphonate Cages and Macrocycles

BULUT AYSUN, Maares Maria, Atak Kaan, ZORLU YUNUS, ÇOŞUT BÜNYEMİN, Zubieta Jon, Beckmann Jens, Haase Hajo, YÜCESAN GÜNDOĞ

20. Frühjahrssymposium, 2018

International

PROCEEDINGS

The synthesis of isostructural metal organic frameworks with high surface areas using tetrahedral tetrakisphosphonic acids
ZORLU YUNUS, BULUT AYSUN, YAZAYDIN AHMET OZGUR, BECKMANN JENS, YUCESAN GUNDOĞ

2nd European Conference on Metal Organic Frameworks and Porous Polymers, 2017

International

The synthesis of isostructural metal organic frameworks with high surface areas using tetrahedral tetrakisphosphonic acids
BULUT AYSUN, ZORLU YUNUS, Yazaydın Ahmet Özgür, Beckmann Jens, YÜCESAN GÜNDOĞ

EuroMOF 2017 (2nd European Conference on Metal-Organic Frameworks and Porous Polymers), 2017

International

Organophosphonic acids with multiple binding sites as bridging ligand on synthesis of novel metal organic frameworks

BULUT AYSUN, YÜCESAN GÜNDOĞ

16th POC, 2016

International

Investigation of Adsorptive Removal of Sr II Ions from Aqueous Solutions by Calcium and Hydroxyapatite HAP Based Sea Shell Sorbents

BULUT AYSUN, YUŞAN SABRİYE, AYTAŞ ŞULE, SERT ŞENOL

3rd International Conference on Radiation and Applications in Various Fields of Research, 2015

International

Synthesis and characterization of two isomers of a phosphonate based organic inorganic hybrid material

BULUT AYSUN, WÖRLE MICHAEL, KURT HÜSEYİN, YÜCESAN GÜNDOĞ

17th Frühjahrssymposium, 2015

International

Investigation of Adsorptive removal of Sr II ions from aqueous solutions by calcium and hydroxyapatite HAP based sea shell sorbent

BULUT AYSUN, YUŞAN SABRİYE, AYTAŞ ŞULE, SERT ŞENOL

Third International Conference on Radiation and Applications in Various Fields of Research, RAD2015, 2015

International

Synthesis and Characterization of Two Isomers of a Phosphonate Based Organic Inorganic Hybrid Material

BULUT AYSUN, WÖRLE MICHAEL, KURT HÜSEYİN, YÜCESAN GÜNDOĞ

17th Frühjahrssymposium 2015, 2015

International

Evaluation of waste eggshell for biosorptive removal of radionuclide Sr²⁺ ions from aqueous solutions

BULUT AYSUN, YUŞAN SABRİYE, AYTAŞ ŞULE

5th EuCheMS Chemistry Congress, 2014

International

Kalsiyum Bazlı Hidroksi Apatit [Ca₅(PO₄)₃(OH)] Sorbentler ile Sulu Çözeltilerden Sr(II) İyonlarının Gideriminin İncelenmesi

BULUT AYSUN, YUŞAN SABRİYE, AYTAŞ ŞULE, SERT ŞENOL

IV. FİZİKSEL KİMYA KONGRESİ, 2014

National

Sr II İyonlarının Gideriminde Deniz Kabuklarından Elde Edilen Hidroksiapatitin Sorpsiyon Özelliklerinin İncelenmesi

BULUT AYSUN, YUŞAN SABRİYE, AYTAŞ ŞULE

6. Ulusal Analitik Kimya Kongresi, 2012

National

Doğal Hidroksi Apatit Ca₅ PO₄ 3 OH ile Sulu Çözeltilerden Sr II İyonlarının Gideriminin İncelenmesi Investigation on Adsorptive Removal of Sr II Ions by Natural Hydroxyapatite Ca₅ PO₄ 3 OH from Aqueous Solutions

BULUT AYSUN, YUŞAN SABRİYE, AYTAŞ ŞULE

26. Ulusal Kimya Kongresi (Uluslararası Katılımlı), 2012

National

PROCEEDINGS

Test of Isotopic Exchanges Between O 18 and O 16 When Oxygen 18 Enriched Water Contacts with Air Oxygen
EKİM SELEN, ÜNAK TURAN, SARICAN GÜLCAN, ÇETİN ÇİĞDEM, ÜNAK GÜLCAN, GÖK MUTLU, ŞAHSUVAR
ATAKAN, BULUT AYSUN, YILMAZ ÖZLEM
3rd International Nuclear Chemistry Congress, 2011
International

A NOVEL HYBRID ORGANIC INORGANIC COPPER II DIPHOSPHONATE COMPLEX Cu₂ 4 4 Bpy O₃PC₁₀H₆PO₃
SYNTHESIS STRUCTURE AND MAGNETIC PROPERTIES
YÜCESAN GÜNDOĞ, BULUT AYSUN
European Chemistry Congress - 5th EuCheMS,
International

PROJECTS

Aromatik Organofosfonik Asit Köprü Ligandlar Kullanılarak Hidrotermal Koşullarda Geçiş Metal İçeren Organik/Inorganik Hibrit Materyallerin Sentezi, Karakterizasyonu Ve Küçük Molekül Depolama Özelliklerinin Araştırılması. (Scholar)
TÜBİTAK Project, 15.04.2013 - 15.09.2015
National Completed

THESIS SUPERVISION

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	PHAR223	ANALYTICAL CHEMISTRY II
Bachelor's Degree	PHAR496	PHARMACEUTICAL AND BIOMEDICAL LIQUID CHROMATOGRAPHY
Bachelor's Degree	PHAR585	GRADUATION PROJECT I
Bachelor's Degree	PHAR126	ANALYTICAL CHEMISTRY I
Bachelor's Degree	PHAR502	GRADUATION PROJECT II

PERSONAL INFORMATION

CONTACT INFORMATION

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