

Prof. GÖKÇEN DEMİREL

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2005 - 2010

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2003 - 2004

Undergraduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 1999 - 2003

Dissertations

Doctorate, Kendiliğinden düzenlenen tek tabaka yöntemi ile ışık kontrollü dna çip tasarımı, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2009

Postgraduate, Hidrofobik özellikli poli (N-[3-(Dimetilamino)propil]-Metakrilamat-ko-lauril akrilat) hidrojellerinin sentezi ve yüzey aktif madde çözeltilerindeki şişme davranışları, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2004

Research Areas

Physical Chemistry

Academic Titles / Tasks

Professor, Ankara Haci Bayram Veli University, Polatlı Faculty of Arts and Sciences, Department of Chemistry, 2020 - Continues

Associate Professor, Ankara Haci Bayram Veli University, Polatlı Faculty of Arts and Sciences, Department of Chemistry, 2019 - 2020

Associate Professor, Gazi University, Polatlı Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2018

Assistant Professor, Gazi University, Polatlı Fen-Edebiyat Fakültesi, Kimya Bölümü, 2013 - 2014

Researcher, Ihsan Dogramaci Bilkent University, National Nanotechnology Research Center, 2012 - 2014

Research Assistant, Gazi University, Fen Fakültesi, Kimya Bölümü, 2005 - 2013

Lecturer, Technische Universitaet Berlin, Chemistry, 2010 - 2010

Research Assistant, Pennsylvania State University, Eberly College Of Science, Chemistry, 2008 - 2009

Academic and Administrative Experience

Ankara Haci Bayram Veli University, 2017 - 2019

Gazi University, 2016 - 2017

Gazi University, 2014 - 2016

Courses

LABORATUVAR GÜVENLİĞİ, Undergraduate, 2020 - 2021, 2015 - 2016, 2014 - 2015, 2013 - 2014

ARAŞTIRMA PROJESİ I, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZİKOKİMYA I, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

POLİMER II, Undergraduate, 2020 - 2021, 2015 - 2016, 2014 - 2015, 2013 - 2014

ARAŞTIRMA PROJESİ II, Undergraduate, 2018 - 2019, 2014 - 2015, 2013 - 2014

ENDÜSTRİYEL KİMYA II, Undergraduate, 2018 - 2019

FİZİKOKİMYA II, Undergraduate, 2018 - 2019, 2017 - 2018

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2018 - 2019, 2017 - 2018

FİZİKOKİMYA LAB, Undergraduate, 2018 - 2019

ENDÜSTRİYEL KİMYA I, Undergraduate, 2018 - 2019, 2017 - 2018

YÜKSEK LİSANS UZMANLIK ALAN, Postgraduate, 2018 - 2019

ENSTRÜMANTAL ANALİZ LABORATUVARI, Undergraduate, 2017 - 2018

YÜKSEK LİSANS TEZ HAZIRLIK, Postgraduate, 2017 - 2018

GENEL KİMYA, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

GENEL KİMYA LAB., Undergraduate, 2014 - 2015, 2013 - 2014

ELYAF KİMYASI, Undergraduate, 2014 - 2015, 2013 - 2014

FİZİKOKİMYAYA GİRİŞ, Undergraduate, 2014 - 2015, 2013 - 2014

Bilimin Doğası, Undergraduate, 2013 - 2014

Polimerizasyon Kinetiği, Undergraduate, 2013 - 2014

Advising Theses

Demirel G., Süperhidrofobik Yüzey Tasarımları için Farklı Kaplamaların Geliştirilmesi, Postgraduate, B.NUR(Student), 2022

DEMİREL G., İletken Polimerik Kompozit Filmlerin Hazırlanması ve Karakterizasyonu, Postgraduate, E.SAVAŞ(Student), 2022

Demirel G., Çok Fonksiyonlu Esnek ve İletken Nanokompozit Hidrojellerin Geliştirilmesi, Postgraduate, B.KAAN(Student), 2022

DEMİREL G., GÜL O. T., Deri İçine İlaç Gönderimi Gerçekleştirecek Polimer Destekli Karbon Nanotüp Mikro İğne Dizisi Fabrikasyonu, Postgraduate, N.ÜNVER(Student), 2021

DEMİREL G., Fototermal terapide kullanılmak üzere çok fonksiyonlu nanotaşıyıcıların geliştirilmesi, Postgraduate, B.ÇETİN(Student), 2020

DEMİREL G., Yeni nesil süperhidrofobik kaplamaların hazırlanması ve yağ/su ayırma işlemlerindeki kullanımları, Postgraduate, E.AYGÜL(Student), 2019

DEMİREL G., Çok fonksiyonlu teranostik hibrit nanoparçacıkların sentezi ve meme kanseri üzerindeki uygulamaları, Postgraduate, S.BAYRAK(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. Single-Material Solvent-Driven Polydimethylsiloxane Sponge Bending Actuators

Mutlutürk E., Özbek D., Özcan O., DEMİREL G., Baytekin B.

- Soft Robotics, 2024 (SCI-Expanded)
- II. **Green Fabrication of Anticorrosive, Antibacterial, and SERS Active Nanohybrid Coatings by Dual-Spinneret Electrospinning**
Deniz F., LİMAN G., DEMİREL G., DEMİREL G., SAN KESKİN N. O.
ACS Applied Polymer Materials, vol.5, no.4, pp.2798-2806, 2023 (SCI-Expanded)
- III. **GLUT-Targeting Phototherapeutic Nanoparticles for Synergistic Triple Combination Cancer Therapy**
Ersen B. C., Goncu B., Dag A., Demirel G.
ACS APPLIED MATERIALS & INTERFACES, vol.15, no.7, pp.9080-9098, 2023 (SCI-Expanded)
- IV. **Hollow microneedle array fabrication using a rational design to prevent skin clogging in transdermal drug delivery**
Unver N., Odabas S., Demirel G., Güll O. T.
Journal of Materials Chemistry B, vol.10, no.41, pp.8419-8431, 2022 (SCI-Expanded)
- V. **Ultrasound/redox/pH-responsive hybrid nanoparticles for triple-triggered drug delivery**
DEMİREL G., Bayrak Ş.
Journal of Drug Delivery Science and Technology, vol.71, 2022 (SCI-Expanded)
- VI. **Injectable and Self-Healable pH-Responsive Gelatin-PEG/Laponite Hybrid Hydrogels as Long-Acting Implants for Local Cancer Treatment**
Cimen Z., Babadag S., ODABAŞ S., Altuntas S., DEMİREL G., DEMİREL G.
ACS APPLIED POLYMER MATERIALS, vol.3, no.7, pp.3504-3518, 2021 (SCI-Expanded)
- VII. **Silver thin film deposited 3-dimensional gold nanorod arrays for plasmonic catalysis**
YILMAZ M., DEMİREL G., DEMİREL G.
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A, vol.38, no.2, 2020 (SCI-Expanded)
- VIII. **Robust and flexible superhydrophobic/superoleophilic melamine sponges for oil-water separation**
DEMİREL G., Aygül E.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.577, pp.613-621, 2019 (SCI-Expanded)
- IX. **Fluorescent Paper Strips for Highly Sensitive and Selective Detection of Nitroaromatic Analytes in Water Samples**
Daglar B., Demirel G., BAYINDIR M.
ChemistrySelect, vol.2, no.25, pp.7735-7740, 2017 (SCI-Expanded)
- X. **Chemisorption of thiol-functionalized metallocene molecules on Si(111)- Ag $\sqrt{3}\times\sqrt{3}$ surface: A density functional theory study**
Ozkaya S., DEMİREL G.
International Journal of Quantum Chemistry, vol.116, no.1, pp.35-41, 2016 (SCI-Expanded)
- XI. **Morphological Versatility in the Self-Assembly of Val-Ala and Ala-Val Dipeptides**
Erdogan H., Babur E., YILMAZ M., Candas E., GÖRDESEL YILDIZ M., DEDE Y., ÖREN E. E., Demirel G., Ozturk M. K., YAVUZ M. S., et al.
Langmuir, vol.31, no.26, pp.7337-7345, 2015 (SCI-Expanded)
- XII. **Anemone-like nanostructures for non-lithographic, reproducible, large-area, and ultra-sensitive SERS substrates**
Daglar B., Demirel G., Khudiyev T., Dogan T., Tobail O., Altuntas S., BÜYÜKSERİN F., BAYINDIR M.
Nanoscale, vol.6, no.21, pp.12710-12717, 2014 (SCI-Expanded)
- XIII. **A novel pH/light-triggered surface for DNA adsorption and release**
Demirel G.
ChemPhysChem, vol.15, no.8, pp.1693-1699, 2014 (SCI-Expanded)
- XIV. **Polymeric nanocarriers for expected nanomedicine: Current challenges and future prospects**
Daglar B., Ozgur E., Corman M. E., Uzun L., Demirel G.
RSC Advances, vol.4, no.89, pp.48639-48659, 2014 (SCI-Expanded)
- XV. **Soft biomimetic tapered nanostructures for large-area antireflective surfaces and SERS sensing**
Daglar B., Khudiyev T., Demirel G., BÜYÜKSERİN F., BAYINDIR M.
Journal of Materials Chemistry C, vol.1, no.47, pp.7842-7848, 2013 (SCI-Expanded)
- XVI. **Pluronic polymer capped biocompatible mesoporous silica nanocarriers**

- Yildirim A., Demirel G., Erdem R., Senturk B., Tekinay T., BAYINDIR M.
Chemical Communications, vol.49, no.84, pp.9782-9784, 2013 (SCI-Expanded)
- XVII. **A new multiresponsive drug delivery system using smart nanogels**
Demirel G., von Klitzing R.
ChemPhysChem, vol.14, no.12, pp.2833-2840, 2013 (SCI-Expanded)
- XVIII. **Extremely fast and highly selective detection of nitroaromatic explosive vapours using fluorescent polymer thin films**
Demirel G., Daglar B., BAYINDIR M.
Chemical Communications, vol.49, no.55, pp.6140-6142, 2013 (SCI-Expanded)
- XIX. **Nanoporous polymeric nanofibers based on selectively etched PS- b -PDMS block copolymers**
Demirel G., BÜYÜKSERİN F., Morris M. A., DEMİREL G.
ACS Applied Materials and Interfaces, vol.4, no.1, pp.280-285, 2012 (SCI-Expanded)
- XX. **Photocontrollable DNA hybridization on reversibly photoresponsive surfaces**
Demirel G., DİLSİZ N., ERGÜN M. A., ÇAKMAK M., ÇAYKARA T.
Journal of Materials Chemistry, vol.21, no.28, pp.10415-10420, 2011 (SCI-Expanded)
- XXI. **Understanding 4-bromostyrene Adsorption on the Si(001)-(1 × 2) surface: A density functional theory study**
DEMİREL G., ÇAKMAK M., Çaykara T.
Surface Science, vol.605, no.11-12, pp.1056-1061, 2011 (SCI-Expanded)
- XXII. **DNA adsorption on poly(N,N-dimethylacrylamide)-grafted chitosan hydrogels**
Baser B., Demirel G., ÇAYKARA T.
Journal of Applied Polymer Science, vol.120, no.3, pp.1420-1425, 2011 (SCI-Expanded)
- XXIII. **Molecular design of photoswitchable surfaces with controllable wettability**
Demirel G., DİLSİZ N., ÇAKMAK M., ÇAYKARA T.
Journal of Materials Chemistry, vol.21, no.9, pp.3189-3196, 2011 (SCI-Expanded)
- XXIV. **Swelling characteristics of poly(nisopropylmethacrylamide-co-itaconic acid) gels prepared in various conditions**
Vakifli A., Demirel G., ÇAYKARA T.
Journal of Applied Polymer Science, vol.117, no.2, pp.817-823, 2010 (SCI-Expanded)
- XXV. **Preparation of a novel polymer-modified Si surface for DNA immobilization**
Demirel G., Coskun S., Kalkan M., ÇAYKARA T.
Macromolecular Bioscience, vol.9, no.5, pp.472-479, 2009 (SCI-Expanded)
- XXVI. **Reentrant phase transition and fast responsive behaviors of poly{n-[3-(dimethylaminopropyl)] methacrylamide} hydrogels prepared in Poly(ethylene glycol) solutions**
Demirel G., ÇAYKARA T.
Journal of Applied Polymer Science, vol.113, no.1, pp.547-552, 2009 (SCI-Expanded)
- XXVII. **DNA immobilization on polymer-modified Si surface by controlling pH**
DEMİREL G., Çaykara T.
Applied Surface Science, vol.255, no.13-14, pp.6571-6576, 2009 (SCI-Expanded)
- XXVIII. **Preparation of comb-type grafted hydrogels composed of polyacrylamide and chitosan and their use for DNA adsorption**
Baser B., Demirel G., AÇIK L., ÇAYKARA T.
Journal of Applied Polymer Science, vol.111, no.4, pp.1862-1868, 2009 (SCI-Expanded)
- XXIX. **Effect of pore-forming agent type on swelling properties of macroporous poly(N-[3-(dimethylaminopropyl)]-methacrylamide-co-acrylamide) hydrogels**
Demirel G., ÇAYKARA T., Demiray M., GÜRÜ M.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, vol.46, no.1, pp.58-64, 2009 (SCI-Expanded)
- XXX. **Chemisorption of 4-(4-amino-phenylazo) benzoic acid molecule on the Si(0 0 1)-(4 × 2) surface**
Birlik G., Demirel G., ÇAKMAK M., Caykara T.
Surface Science, vol.601, no.18, pp.3760-3764, 2007 (SCI-Expanded)

- XXXI. **An ab initio study of 3-aminopropyltrimethoxysilane molecule on Si(1 1 1)-(sqrt(3) × sqrt(3)) surface**
DEMİREL G., DEMİREL G., ÇAKMAK M., Çaykara T., Ellialtıoğlu S.
Surface Science, vol.601, no.18, pp.3740-3744, 2007 (SCI-Expanded)
- XXXII. **Adsorption of surfactant by hydrophobically modified Poly[2-(diethylamino) ethylmethacrylate-co-N-vinyl-2-pyrrolidone/octadecyl acrylate] hydrogels and effect of surfactant adsorption on the volume phase transition**
Caykara T., Izol D., Birlik G., AKAOĞLU B.
Journal of Applied Polymer Science, vol.103, no.6, pp.3771-3775, 2007 (SCI-Expanded)
- XXXIII. **Reentrant phase transition and network parameters of hydrophobically modified poly[2-(diethylamino)ethylmethacrylate-co-N-vinyl-2-pyrrolidone/octadecyl acrylate] hydrogels**
Caykara T., Birlik G., Izol D.
European Polymer Journal, vol.43, no.2, pp.514-521, 2007 (SCI-Expanded)
- XXXIV. **Preparation and swelling properties of temperature-sensitive semi-interpenetrating polymer networks composed of poly[(N-tert-butylacrylamide)-co-acrylamide] and hydroxypropyl cellulose**
Caykara T., Sengul G., Birlik G.
Macromolecular Materials and Engineering, vol.291, no.9, pp.1044-1051, 2006 (SCI-Expanded)
- XXXV. **Synthesis and network parameters of hydrophobic poly(N-[3-(dimethylaminopropyl)]methacrylamide-co-lauryl acrylate) hydrogels**
Caykara T., Birlik G.
Journal of Applied Polymer Science, vol.101, no.6, pp.4159-4166, 2006 (SCI-Expanded)
- XXXVI. **Swelling and adsorption properties of hydrophobic poly[(N-(3-(dimethylamino)propyl)methacrylamide)-co-(lauryl acrylate)] hydrogels in aqueous solutions of surfactants**
Caykara T., Birlik G.
Macromolecular Materials and Engineering, vol.290, no.9, pp.869-874, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **A new perspective for biological activities of novel hexahydroquinoline derivatives**
Çetin G., Çetin B., Çolak B., Aşan M., DEMİREL G., CANSARAN DUMAN D., AKÇELİK N., ŞİMŞEK R.
Journal of Research in Pharmacy, vol.26, no.1, pp.219-230, 2022 (ESCI)
- II. **Folic Acid-Conjugated pH and Redox-Sensitive Ellipsoidal Hybrid Magnetic Nanoparticles for Dual-Triggered Drug Release**
DEMİREL G., Aygul E., DAĞ A., ATASOY S., Cimen Z., Cetin B.
ACS APPLIED BIO MATERIALS, vol.3, no.8, pp.4949-4961, 2020 (ESCI)

Books & Book Chapters

- I. **Overview of the Current Nano-Materials, Synthesis, Properties and Characterization**
Cimen Z., MUTLUTÜRK E., Çetin Ersen B., Gençoglu Katmerlikaya T., DİNÇ S. K., SAN KESKİN N. O., SARİ ÜZEK E., DAĞ A., DEMİREL G.
in: Functionalized Smart Nanomaterials for Point-of-Care Testing, Amit Kumar Mandal, Suvankar Ghorai, Azamal Husen, Editor, Springer, Singapore, pp.1-30, 2023
- II. **Current and future challenges in polymeric nanomaterials for biomedical applications**
DEMİREL G., DAĞ A., ALBAYRAK G., ÇİMEN Z.
in: Advances in Polymeric Nanomaterials for Biomedical Applications, nil Kumar Bajpai Rajesh Kumar Saini, Editor, Elsevier, Oxford, pp.327-359, 2021
- III. **Chapter 15: Multifunctional therapeutic hybrid nanocarriers for targeted and triggered drug**

delivery: recent trends and future prospects

KURTAY G., YILMAZ M., KURALAY F., DEMİREL G.

in: Nanostructures for Drug Delivery, Ecaterina Andronescu and Alexandru Mihai Grumezescu, Editor, Elsevier,
pp.461-493, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Deri İçine İlaç Gönderiminde Kullanılmak Üzere Polimer Destekli Karbon Nanotüp Mikro İğnelerin Hazırlanması ve Karakterizasyonu**
Ünver N., GÜL O. T., DEMİREL G., DEMİREL G.
32. Ulusal Genel Kimya Kongresi, Turkey, 17 - 19 September 2020
- II. **INJECTABLE HYDROGEL FOR LOCAL DRUG DELIVERY APPLICATION**
DEMİREL G., ÇİMEN Z.
15th Nanoscience and Nanotechnology Conference, 3 November - 06 December 2019
- III. **Development of Multifunctional Nanoparticles for Chemo-Phototherapy**
DEMİREL G., ÇİMEN Z.
15th Nanoscience and Nanotechnology Conference, 3 November - 06 December 2019
- IV. **Fototermal Terapide Kullanılmak Üzere Çok Fonksiyonlu Nanotaşıyıcıların Geliştirilmesi**
DEMİREL G., Çetin B.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- V. **Yeni Nesil pH Duyarlı ve Biyobozunur Enjekte Edilebilir Hidrojel Sentezi ve Lokal İlaç Salım Uygulamaları**
DEMİREL G., ÇİMEN Z.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- VI. **Development of Multifunctional Nanocarriers for Photothermal Therapy**
DEMİREL G., ÇİMEN Z.
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019
- VII. **Design of Folic Acid Modified pH-sensitive magnetic nanostructurers and controlled release applications**
DEMİREL G., ÇİMEN Z.
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019
- VIII. **Preparation of New Generation Superhydrophobic Coatings for Oil / Water Separation**
Aygül E., DEMİREL G.
International Eurasian Conference On Science, Engineering and Technology, 22 - 23 November 2018
- IX. **Multifunctional Theranostic Nanoparticles for Controlled Drug Release**
Bayrak Ş., DEMİREL G.
International Eurasian Conference on Science Engineering and Technology, 22 - 23 November 2018
- X. **Hybrid Nanocarriers for pH-Redox Controlled Drug Delivery**
ÇİMEN Z., DEMİREL G.
NanoTR13, 22 - 25 October 2017
- XI. **pH/Redoks-Kontrollü İlaç Salımı İçin Hibrit Nanotaşıyıcılar**
Bayrak Ş., Aygül E., ÇİMEN Z., DEMİREL G.
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017
- XII. **pH/Redoks Duyarlı Hibrit Nanotaşıyıcılar**
Aygül E., Bayrak Ş., ÇİMEN Z., DEMİREL G.
Fiziksel Kimya Kongresi, 15 - 18 May 2017
- XIII. **Ellipsoidal Hybrid Nanocarriers for Triggered Delivery**
ÇİMEN Z., DEMİREL G.
Biomed, 12 - 14 May 2017
- XIV. **pH Redox Sensitive Hybrid Nanocarriers for Triggered Delivery**

Supported Projects

Demirel G., TUBITAK Project, Yeni Nesil Enjekte Edilebilir İletken Hibrit Hidrojellerin Geliştirilmesi ve Kalp Krizi Sonrası Doku Yenilenmesindeki Etkinliğinin in vitro ve in vivo İncelenmesi, 2021 - 2024

Demirel G., Project Supported by Higher Education Institutions, Çok Fonksiyonlu Nanoparçacıkların Geliştirilmesi ve Fototermal Terapideki Kullanımı, 2020 - 2021

Gül O. T., Demirel G., TUBITAK Project, Polymer Reinforced Carbon Nanotube Micro Needles Fabrication for Transdermal Drug Delivery, 2018 - 2021

Demirel G., TUBITAK Project, Çok Fonksiyonlu Fototerapötik Nanoparçacıkların Geliştirilmesi ve Meme Kanseri Tedavisi Üzerindeki Etkinliklerinin in vitro İncelenmesi, 2018 - 2021

DEMİREL G., Project Supported by Higher Education Institutions, Yeni Nesil pH Duyarlı ve Kendi Kendini İyileştirebilen Enjekte Edilebilir Hidrojel Sentez, 2019 - 2020

DEMİREL G., Project Supported by Higher Education Institutions, Yeni Nesil Süperhidrofobik Kaplamaların Hazırlanması ve Yağ/Su Ayırma İşlemlerindeki Kullanımları, 2017 - 2019

DEMİREL G., Project Supported by Higher Education Institutions, Folik Asit Modifiye Edilmiş pH-Duyarlı Manyetik Nanotaşıyıcıların Tasarımı ve Kontrollü Salım Uygulamaları, 2017 - 2019

DEMİREL G., TUBITAK Project, pH Redoks Duyarlı Elipsoidal Ve Yönlendirilmiş Yeni Nesil Hibrit Nanotaşıyıcıların Tasarımı Ve Kontrollü Salım Uygulamaları, 2016 - 2017

DEMİREL G., Project Supported by Higher Education Institutions, POLATLI FEN EDEBİYAT FAKÜLTESİ KİMYA BÖLÜMÜ LABORATUVARLARI İÇİN ALTYAPI OLUŞTURULMASI VE CİHAZ ALET EKSİKLİKLERİNİN TAMAMLANMASI, 2014 - 2015

Patent

DEMİREL G., SULARDA NİTROAROMATİK PATLAYICILARIN ANALİZİ İÇİN SELÜLOZ BAZLI BİR SENSÖR, Patent, CHAPTER C Chemistry; Metallurgy, 2018

Metrics

Publication: 55

Citation (WoS): 481

Citation (Scopus): 525

H-Index (WoS): 13

H-Index (Scopus): 13

Scholarships

STSM, European Commission, 2010 - 2010