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Publons / Web Of Science ResearcherID: ABH-8904-2020

ScopusID: 56399290300

Yoksis Araştırmacı ID: 328495

### Eğitim Bilgileri

Post Doktora, University of California, Los Angeles, College of Letters and Science, Chemistry, Amerika Birleşik Devletleri  
2017 - 2019

Doktora, University of California, Los Angeles, School of Engineering, Biomedical Engineering, Amerika Birleşik Devletleri  
2011 - 2017

Yüksek Lisans, University of California, Los Angeles, School of Engineering, Biomedical Engineering, Amerika Birleşik  
Devletleri 2009 - 2011

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Ulusal Nanoteknoloji Uygulama Ve Araştırma Merkezi, Malzeme  
Bilimi ve Nanoteknoloji, Türkiye 2007 - 2009

Lisans, Başkent Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, Türkiye 2003 - 2007

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Biyomedikal Mühendisliği, Biyoenstrümantasyon ve MEMS, MEMS, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Erciyes Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2020 - Devam Ediyor

Araştırmacı, University of California, Los Angeles, College of Letters and Science, Chemistry, 2017 - 2019

Araştırma Görevlisi, University of California, Los Angeles, School of Engineering, Biomedical Engineering, 2011 - 2017

Araştırma Görevlisi, İhsan Doğramacı Bilkent Üniversitesi, Ulusal Nanoteknoloji Uygulama Ve Araştırma Merkezi,  
Malzeme Bilimi ve Nanoteknoloji, 2007 - 2009

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Innovative theranostic hydrogels for targeted gastrointestinal cancer treatment**  
Tang M., Song J., Zhang S., Shu X., Liu S., Ashrafizadeh M., ERTAŞ Y. N., Zhou Y., Lei M.  
Journal of Translational Medicine, cilt.22, sa.1, 2024 (SCI-Expanded)
- II. **Gastroenteropancreatic neuroendocrine neoplasms: current development, challenges, and clinical perspectives**  
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- III. **Label-free Biosensing Using Hybrid Plasmonic Substrates Generated via Nanosphere Lithography**  
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- IV. **Chitosan-graft-Pomegranate Extract Hydrogel: A Dual-Functional Pad for Antibacterial and Antioxidant Enhancement for Shelf Life Extension in Food Packaging**  
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- V. **Multifunctional silver nanoparticle embedded eri silk cocoon scaffolds against burn wounds-associated infection**  
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- VI. **Pharmacological Activities and Molecular Mechanisms of Sinapic Acid in Neurological Disorders**  
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- VII. **Natural product/diet-based regulation of macrophage polarization: Implications in treatment of inflammatory-related diseases and cancer**  
Ashrafizadeh M., Aref A. R., Sethi G., ERTAŞ Y. N., Wang L.  
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- VIII. **Peptide-functionalized, -assembled and -loaded nanoparticles in cancer therapy**  
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- IX. **Chitosan- and hyaluronic acid-based nanoarchitectures in phototherapy: Combination cancer chemotherapy, immunotherapy and gene therapy**  
Wang Z., Pang S., Liu X., Dong Z., Tian Y., Ashrafizadeh M., Rabiee N., ERTAŞ Y. N., Mao Y.  
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- X. **Simple and Rapid Monolayer Self-Assembly of Nanoparticles at the Air/Water Interface**  
Lulek E., ERTAŞ Y. N.  
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- XI. **Diagnostic, Therapeutic, and Theranostic Multifunctional Microneedles**  
ERTAŞ Y. N., Ertas D., ERDEM A., Segujja F., Dulchavsky S., Ashammakhi N.  
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- XII. **Dysregulation of autophagy in gastric carcinoma: Pathways to tumor progression and resistance to therapy**  
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- XIII. **Autophagy flux in bladder cancer: Cell death crosstalk, drug and nanotherapeutics**  
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- XIV. **Nanomaterials in crossroad of autophagy control in human cancers: Amplification of cell death mechanisms**  
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- XV. **Metal-Organic Frameworks for Cisplatin Delivery to Cancer Cells: A Molecular Dynamics Simulation**  
Mashayekh E., Ghiasi Z. N. K., Bhia I., Khorrami Z. A., Malekahmadi O., Bhia M., Malekmohammadi S., ERTAŞ Y. N.  
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- XVI. **Highly-sensitive detection of 2,4-dinitrotoluene using colloidal gold nanospheres**  
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- XVII. **Implantable, 3D-Printed Alginate Scaffolds with Bismuth Sulfide Nanoparticles for the Treatment of Local Breast Cancer via Enhanced Radiotherapy**  
Colak B., ERTAŞ Y. N.  
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- XVIII. **Smart co-delivery of plasmid DNA and doxorubicin using MCM-chitosan-PEG polymerization functionalized with MUC-1 aptamer against breast cancer**  
Esmaeili Y., Dabiri A., Mashayekhi F., Rahimmanesh I., Bidram E., Karbasi S., Rafienia M., Javanmard S. H., ERTAŞ Y. N., Zarrabi A., et al.  
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- XIX. **Harnessing function of EMT in cancer drug resistance: a metastasis regulator determines chemotherapy response**  
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- XX. **Nanostructures for site-specific delivery of oxaliplatin cancer therapy: Versatile nanoplatforms in synergistic cancer therapy**  
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- XXI. **Facile preparation of silver based radiosensitizers via biomineralization method for enhanced in vivo breast cancer radiotherapy**  
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- XXII. **Electrochemical sensing of doxorubicin hydrochloride under sodium alginate antifouling conditions using silver nanoparticles modified glassy carbon electrodes**  
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- XXIII. **Zeolite-Copper Ferrite Nanocomposites with Improved Antibacterial Activity and Reusability for Biomedical Applications**  
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- XXIV. **(Nano)platforms in breast cancer therapy: Drug/gene delivery, advanced nanocarriers and immunotherapy**  
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- XXV. **CuFe<sub>2</sub>O<sub>4</sub> decorated with BSA as a potential nanoradioenhancer for enhanced X-ray radiation therapy of brain tumor**  
YARAY K., Rashidzadeh H., Mozafari F., Rezaeejam H., Moghaddam Z. K., ERTAŞ Y. N., Danafar H.  
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- XXVII. **3D-Printed, Implantable Alginate/CuS Nanoparticle Scaffolds for Local Tumor Treatment via Synergistic Photothermal, Photodynamic, and Chemodynamic Therapy**  
Colak B., CİHAN M. C., ERTAŞ Y. N.  
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- XXVIII. **ROS induction within 4T1 breast cancer cells by CuS NPs as chemodynamic agent**  
Amereh M., Salmani F., Ameghani S., Ghaderzadeh R., Nosrati H., Danafar H., ERTAŞ Y. N.  
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- XXIX. **Co-delivery of curcumin and chrysin through pH-sensitive hyaluronan-modified hollow mesoporous silica nanoparticles for enhanced synergistic anticancer efficiency against thyroid cancer cells**  
Li Y., ERTAŞ Y. N., Jafari A., Taheri M., Pilehvar Y.  
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- XXX. **Engineered Polyethylene Glycol-Coated Zinc Ferrite Nanoparticles as a Novel Magnetic Resonance Imaging Contrast Agent**  
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- XXXI. **Synthesis, Characterization and Potent Antibacterial Activity of Metal-Substituted Spinel Ferrite Nanoparticles**  
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- XXXII. **Chitosan-based nanoscale delivery systems in hepatocellular carcinoma: Versatile bio-platform with theranostic application**  
Karimi K., Mojtavani S., Tehrany P. M., Nejad M. M., Rezaee A., Mohtashamian S., Hamed E., Yousefi F., Salmani F., Zandieh M. A., et al.  
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- XXXIII. **Eco-friendly chitosan-based nanostructures in diabetes mellitus therapy: Promising bioplatfroms with versatile therapeutic perspectives**  
Taheriazam A., Entezari M., Firouz Z. M., Hajimazdarany S., Hossein Heydargoy M., Amin Moghadassi A. H., moghadaci A., sadrani A., Motahhary M., Harif Nashtifani A., et al.  
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- XXXIV. **Doxorubicin-loaded micelles in tumor cell-specific chemotherapy**  
Almajidi Y. Q., Kadhim M. M., Alsaikhan F., Turki Jalil A., Hassan Sayyid N., Alexis Ramirez-Coronel A., Hassan Jawhar Z., Gupta J., Nabavi N., Yu W., et al.  
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- XXXV. **Cancer stem cell-mediated drug resistance: A comprehensive gene expression profile analysis in breast cancer**  
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- XXXVI. **Gold nanostructure-mediated delivery of anticancer agents: Biomedical applications, reversing drug resistance, and stimuli-responsive nanocarriers**  
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- XXXVII. **Chemoradiation therapy of 4T1 cancer cells with methotrexate conjugated platinum nanoparticles under X-Ray irradiation**  
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- XXXVIII. **Alginate coated superparamagnetic iron oxide nanoparticles as nanocomposite adsorbents for arsenic removal from aqueous solutions**  
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- Separation and Purification Technology, cilt.310, 2023 (SCI-Expanded)
- XXXIX. **Preparation of alginate coated Pt nanoparticle for radiosensitization of breast cancer tumor**  
Rashidzadeh H., Seidi F., Ghaffarlou M., Salehiabar M., Charmi J., YARAY K., Nosrati H., ERTAŞ Y. N.  
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- XL. **Unraveling the function of epithelial-mesenchymal transition (EMT) in colorectal cancer: Metastasis, therapy response, and revisiting molecular pathways**  
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- XLII. **Fabrication, characterisation and antimicrobial activity of electrospun Plantago psyllium L. seed gum/gelatine nanofibres incorporated with Cuminum cyminum essential oil nanoemulsion**  
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- XLII. **Biomimetic cell membrane-coated poly(lactic-co-glycolic acid) nanoparticles for biomedical applications**  
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BIOENGINEERING & TRANSLATIONAL MEDICINE, cilt.8, sa.2, 2023 (SCI-Expanded)
- XLIII. **Nanoliposomes for doxorubicin delivery: Reversing drug resistance, stimuli-responsive carriers and clinical translation**  
Hashemi M., Ghadyani F., Hasani S., Olyae Y., Raei B., Khodadadi M., Ziyarani M. F., Basti F. A., Tavakolpournegari A., Matinahmadi A., et al.  
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- XLIV. **Graphene oxide nanoarchitectures in cancer biology: Nano-modulators of autophagy and apoptosis**  
Taheriazam A., Abad G. G. Y., Hajimazdarany S., Imani M. H., Ziaolhagh S., Zandieh M. A., Bayanzadeh S. D., Mirzaei S., Hamblin M. R., Entezari M., et al.  
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- XLV. **(Nano)platforms in bladder cancer therapy: Challenges and opportunities**  
Ashrafizadeh M., ZARRABI A., Karimi-Maleh H., Taheriazam A., Mirzaei S., Hashemi M., Hushmandi K., Makvandi P., Nazarzadeh Zare E., Sharifi E., et al.  
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- XLVI. **Targeted CuFe<sub>2</sub>O<sub>4</sub> hybrid nanoradiosensitizers for synchronous chemoradiotherapy**  
Salehiabar M., Ghaffarlou M., Mohammadi A., Mousazadeh N., Rahimi H., Abhari F., Rashidzadeh H., Nasehi L., Rezaeejam H., BARSBAY M., et al.  
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- XLVII. **Blood filtering system for COVID-19 management: novel modality of the cytokine storm therapeutics**  
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- XLVIII. **Drug Delivery by Artificial Cells**  
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- XLIX. **Long non-coding RNA/epithelial-mesenchymal transition axis in human cancers: Tumorigenesis, chemoresistance, and radioresistance**  
Hashemi M., Hajimazdarany S., Mohan C. D., Mohammadi M., Rezaei S., Olyae Y., Goldoost Y., Ghorbani A., Mirmazloomi S. R., Gholinia N., et al.  
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- L. **Trends in advanced materials for the fabrication of insulin electrochemical immunosensors**  
Zare Y., Soleymani J., Rahimi M., ERTAŞ Y. N., Jafarzadeh S.  
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- LI. **An ultrasensitive and preprocessing-free electrochemical platform for the detection of doxorubicin based on tryptophan/polyethylene glycol-cobalt ferrite nanoparticles modified electrodes**  
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- LII. **Silk-based nano-biocomposite scaffolds for skin organogenesis**  
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- LIII. **Magnetite and bismuth sulfide Janus heterostructures as radiosensitizers for in vivo enhanced radiotherapy in breast cancer**  
Nosrati H., Ghaffarlou M., Salehiabar M., Mousazadeh N., Abhari F., BARSBAY M., ERTAŞ Y. N., Rashidzadeh H., Mohammadi A., Nasehi L., et al.  
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- LIV. **Recent Advances in Cochlear Implant Electrode Array Design Parameters**  
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- LV. **Targeting AMPK signaling in ischemic/reperfusion injury: From molecular mechanism to pharmacological interventions**  
Paskeh M. D. A., Asadi A., Mirzaei S., Hashemi M., Entezari M., Raesi R., Hushmandi K., ZARRABÍ A., ERTAŞ Y. N., Aref A. R., et al.  
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- LVI. **Noncoding RNAs and their therapeutics in paclitaxel chemotherapy: Mechanisms of initiation, progression, and drug sensitivity**  
Mahabady M. K., Mirzaei S., Saebfar H., Gholami M. H., Zabolian A., Hushmandi K., Hashemi F., Tajik F., Hashemi M., Kumar A. P., et al.  
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- LVII. **Implantable magnetic nanofibers with ON-OFF switchable release of curcumin for possible local hyperthermic chemotherapy of melanoma**  
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- LVIII. **Advances in tannic acid-incorporated biomaterials: Infection treatment, regenerative medicine, cancer therapy, and biosensing**  
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CHEMICAL ENGINEERING JOURNAL, cilt.432, 2022 (SCI-Expanded)
- LIX. **EZH2 as a new therapeutic target in brain tumors: Molecular landscape, therapeutic targeting and future prospects**  
Paskeh M. D. A., Mehrabi A., Gholami M. H., Zabolian A., Ranjbar E., Saleki H., Ranjbar A., Hashemi M., ERTAŞ Y. N., Hushmandi K., et al.  
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- LX. **AMPK signaling in diabetes mellitus, insulin resistance and diabetic complications: A pre-clinical and clinical investigation**  
Entezari M., Hashemi D., Taheriazam A., Zabolian A., Mohammadi S., Fakhri F., Hashemi M., Hushmandi K., Ashrafizadeh M., ZARRABÍ A., et al.  
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- LXI. **Gene regulation by antisense transcription: A focus on neurological and cancer diseases**  
Najafi S., Tan S. C., Raei P., Rahmati Y., Asemami Y., Lee E. H. C., Hushmandi K., Zarrabi A., Aref A. R., Ashrafizadeh M., et al.  
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- LXII. **Therapeutic Approaches to Amyotrophic Lateral Sclerosis from the Lab to the Clinic**  
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- LXIII. **Methods for fabricating oxygen releasing biomaterials**

- ERDEM A., Haghniaz R., ERTAŞ Y. N., Sangabathuni S. K., Nasr A. S., Swieszkowski W., Ashammakhi N.  
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- LXIV. **Revealing the role of miRNA-489 as a new onco-suppressor factor in different cancers based on pre-clinical and clinical evidence**  
Paskeh M. D. A., Mirzaei S., Orouei S., Zabolian A., Saleki H., Azami N., Hushmandi K., Baradaran B., Hashmi M., Aref A. R., et al.  
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- LXV. **Advanced Computational Methodologies Used in the Discovery of New Natural Anticancer Compounds**  
Chavda V. P. P., ERTAŞ Y. N., Walhekar V., Modh D., Doshi A., Shah N., Anand K., Chhabria M.  
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- LXVI. **Nanoparticles for Targeted Drug Delivery to Cancer Stem Cells: A Review of Recent Advances**  
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- LXVII. **Advances in biomedical applications of self-healing hydrogels**  
Rammal H., GhavamiNejad A., ERDEM A., Mbeleck R., Nematollahi M., Emir Diltemiz S., Alem H., Darabi M. A., ERTAŞ Y. N., Catterson E. J., et al.  
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## **Metrikler**

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