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ICBME 2026

POSTER PRESENTATION SCHEDULE

33rd National & 11th International Iranian Conference on Biomedical Engineering

Date 19 November | Time 10:30-11:10

Poster No.	Presenter(s)	Title
POSTER SESSION: Biomaterials, Tissue Engineering and Regenerative Medicine		
1016	Kiana Mohagheghian	Fabrication and characterization of a bioinspired gelatin-based adhesive with arginine and caffeic acid double bonds for rapid hemostasis
1019	Fatemeh Karami	Development, characterization, and in vitro evaluation of atorvastatin-loaded nanovesicles for enhanced wound Management
1028	Fatemeh Noshirvani Baboli	Effect of ZIF-8 on antibacterial properties of Carboxymethyl chitosan/Carboxymethyl cellulose hydrogel for wound healing applications
1052	Armita Barati	Molecular Dynamics Simulation of Electroconductivity Enhancement in Hydrogel Neural Scaffold via Graphene Oxide Interaction
1056	Atousa Ashrafi	Gelatin/Tannic Acid Hydrogels Functionalized with a Choline-Based Bio-Ionic Liquid for Hepatic Hemostasis
1058	Pegah Madaninasab	Fabrication and characterization of a conductive 3D conduit containing carbon nanotubes for use in nerve tissue engineering
1063	Benyamin Mozafarnaserabad	PathAI-GI: A Transformer-Based Deep Learning Framework for Colorectal Tissue Classification, Evaluated at the Patch Level on a Patient-Disjoint Cohort and Deployed End-to-End on Raw Whole-Slide Images
1075	Behafarin Batmanghelich	Biological Evaluation of Amorphous Magnesium Silicate-Loaded Carboxymethyl Chitosan/Carboxymethyl Cellulose Hydrogels for Wound Healing Applications
1093	Sakineh Alipour	Effect of Polyvinyl Alcohol Molecular Weight on the Suspension Polymerization of PMMA for Bone Cement Applications
1112	Atousa Ashrafi	Wet-Chemical Synthesis and Multi-Technique Characterization of Hydroxyapatite Powder for Potential Application in Ti-6Al-4V Implant Coatings
1121	Ahmadreza Karimi	Development and Evaluation of a Decellularized Bovine Retinal Extracellular Matrix Using a Combined Freeze-Thaw and Detergent-Based Protocol
1140	Sepehr Zamani	Investigation of the effect of tannic acid on the physicochemical and biological properties of carboxymethyl chitosan/gelatin hydrogel for wound healing
1150	Hasti Nourzadeh	Green Synthesis and Characterization of Zinc Oxide Nanoparticles for Application in Wound-Healing Systems
1158	Seyed Omid Reza Sheykholeslami	Electrodeposition of needle-like hydroxyapatite composites coatings incorporating mesoporous SiO2/HA particles for biomedical applications
1162	Mohammad Hossein Ghorbsni	Investigation of the Effect of Spark Plasma Sintering Pressure on the Wear Properties of Mg-3$SrCO_3$-0.5Zr Composite in SBF Environment
1163	Azadeh Ashrafizadeh	Structural, Magnetization Reversal, and Hyperthermia Characteristics of Monodisperse Cobalt Ferrite Nanoparticles
1171	Yashar Ghazanfar-Ahari	Fabrication and characterization of Polycaprolactone/ Lignin scaffold for bone tissue engineering application
1192	Fatemeh Bahramali	Physicochemical Characterization of Magnesium Oxide Nanoparticle-Loaded Carboxymethyl chitosan/Gelatin Scaffolds for Potential Wound-Dressing Applications
1201	Marzieh Ebrahimi	Surface Modification of Ti-6Al-4V Gyroid Scaffolds Fabricated by Laser Powder Bed Fusion Technology for Biomedical Applications
1202	Shaghayegh Doudi	Computational Analysis of Sphingosine-1-Phosphate Regenerative Responses Shows a Migration and Angiogenesis Pattern with Experimental Support

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1203	Maryam Naseri	Effect of Free Fatty Acid Composition on Diacerein-Loaded Novasomes Compared with Niosomes
1211	Zahra Ghorbani	Fabrication of a Biodegradable Porous Iron-Copper Implant by Additive Manufacturing: Evaluation of Degradation Behavior and Bioactivity
1212	Peyman Dokoohaki	Investigating the Role of Polymer Composition on ECM Protein Adsorption Using Molecular Dynamics Simulations
1220	Monireh Ganjali	Fabrication and Characterization of SiO_2/PVA/Glycerol Nanocomposite Films with Antibacterial Properties for Potential Tissue Engineering Applications
1222	Ehsan Sedaghat Manesh	Optimization of Electrophoretic Deposition of Chitosan/TiO_2/ZnO Nanocomposite Coatings on Titanium: Investigating the Role of Solvent and Suspension Stability
1230	Borhan Oghbaei Bonab	PH-Responsive Chitosan-Poly(acrylic acid) Hybrid Hydrogels for Lactobacillus Encapsulation
1241	Fattaneh Salemi	Fabrication and characterization of two-phase calcium phosphate/bredigite composite for use in bone tissue engineering
1242	Mahdiyeh Pourali	Fabrication and characterization of biodegradable porous nanocomposite based on Mg-Al-Zn-HA system for potential application in bone tissue engineering
1269	Maedeh Rajaei	Development of a PVA/TSPBA- Based Glucose-Sensitive Core-Shell Microneedle for Transdermal Insulin Delivery
1271	Asma Salimi	$BaTiO_3$/ZnO-Reinforced PVA/CMCS Nanocomposite Hydrogel for Self-Powered Piezoelectric Wound Dressing Applications
1272	Nima Sadeghi	Polyvinylpyrrolidone Microneedle Loaded with pH-Responsive Curcumin@ZIF-8 Nanoparticles: A Preliminary In Vitro Platform for Diabetic Wound Management
1273	AliAsghar BehnamGhader	Biological and Morphological Evaluation of Gellan Gum-Based Bioink Using a 3D Bioprinter
1281	Mehran Gholamian	Effect of Alkaline Surface Modification on the Compressive Strength and Morphology of 3D-Printed PCL-Ak Composite Scaffolds
1285	Hamed Abrari	Curcumin-Loaded PLA/f-CNTs Composite Coatings on AZ31 Magnesium Alloy: Surface Properties, Drug Release, and Cytocompatibility
1286	Shaghayegh Kohzadi	PVA/Chitosan/Gelatin Cryogel Containing Green Tea Extract for Wound Healing Applications
1292	Shaghayegh Kohzadi	Fabrication and Evaluation of Cinnamon Extract Loaded PVA/Chitosan/Gelatin Cryogel for Bioactive Wound Dressing Applications
1293	Shaghayegh Shokraee	Evaluation of the Microbial Efficacy and Formaldehyde Release Behavior of a Formaldehyde-Releasing Preservative in a Topical Skin Formulation
1295	Alireza Omidi	Effect of Decellularized Rat Skin Extracellular Matrix on the Skin-Directed Behavior of Adipose-Derived Mesenchymal Stromal Cells
1327	Fatemeh Nasiri	Development and In Vitro Evaluation of a Curcumin-Loaded PVA/PAA/Starch Polymeric Wound Dressing
1329	Nasrin Karimi	NaF/CeO_2-Modified PEO/Chitosan-Doxorubicin Bilayer Coating on Ti-6Al-4V Scaffolds for Localized Drug Delivery
1331	Abdullah Kamaluldeen	Surface Characterization, Degradation Behavior, and Bioactivity of a PCL/Hardystonite-ZnO-GNPs Composite Coating on AZ31 Magnesium Alloy

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1333	Amir Ali Dehghanpour	Evaluation of different techniques in surface treatment of dental implants by a cell adhesion prospective
1391	Reza Moradi	Evaluation of the Properties of a Decellularized Human Skin-Based Biological Mesh for Assessing Its Potential in Hernia Repair
1409	Yunus Rezvanifar	Modeling Maximum Insertion Torque in a 2D Axisymmetric Dental Implant Model: Calibration and Parametric Sensitivity Analysis
1420	Atefeh Golshirazi	Synthesis and Characterization of a GelMA/Tragacanth Gum Hybrid Hydrogel for Drug Delivery
1422	Sahar Sadat Mirsafaie Rizi	Investigation of the Effect of Amino Functionalization of Mesoporous Bioactive Glass Nanoparticles on Metformin Loading and Release Behavior
1428	Fatemeh Heidariyan Dolatabadi	Evaluation of Adhesion Strength, Mechanical Properties, and Biodegradation Behavior of a 3D-Printed Polylactic Acid-Carrageenan Scaffold Coated on AISI 316L Stainless Steel
1434	Maryam Hakimi	Development and characterization of collagen-chitosan-laponite scaffolds modified with dopamine-copper coating for skin tissue engineering
1435	Mohammad mahdi Ghorbani	Nvestigation of the Corrosion and Tribocorrosion Behavior of Ti-6Al-4V Alloy Manufactured by Selective Laser Melting for Dental Applications
1444	Rana Arefi	Investigation of the biological and cellular properties of a polylactic acid/polyethylene glycol/hardystonite nanocomposite scaffold fabricated via 3D printing.
1446	Zahra Zolfali	Synthesis and Characterization of Hydrogen Tungsten Bronze (H_xWO_3) for Biomedical Applications
1447	Yekta Foroozani	Investigation of the Effect of Bovine Serum Albumin Amount on the Structural and Chemical Properties of Manganese Prussian Blue Nanozyme
1455	Maryam Uruzgani	Development of a Gelatin-Acrylamide Hydrogel Incorporating Green Tea Extract and PEDOT:PSS for Medical Applications
1458	Mahdi Shafieezadeh	Knowledge Block Map: A Design-Science Framework for Safe RAG Grounding in Clinical Engineering
1481	Moones Ebrahimzadeh	Engineering a Capparis spinosa-Functionalized PEG/CMC Hydrogel with Antibacterial Potential for Wound Dressing Applications
1491	Reyhaneh Behrouznejad	Comparative Evaluation of the Corrosion and Tribocorrosion Behavior of AISI 316L and LDX 2101 Stainless Steels in Artificial Saliva for Dental Applications
1493	Mohammad Hossein Matoori	3D-Printed Polyurethane Scaffolds for Intervertebral Disc Tissue Engineering: A Study of Mechanical and Biological Properties
1511	Mahdi Ansari	An Explainable Multimodal Biomedical AI Framework for Disk-Diffusion Antibiogram Decision Support: Domain-Specific Transfer Learning, EUCAST-Aware Rules, and a Constrained Conversational Agent
1515	Amirreza Bavafa	AI-Guided Virtual SAW Biosensor for Cancer Biomarker Analysis: Deciphering the Role of Biomaterial Properties and Operating Dynamics
1518	Zahrasadat Rouhani	Development of Titanium Dioxide Nanotube-Modified Bi2MoO6 Nanostructures Based on a Piezophotocatalytic Method for Medical Applications
1519	Mahshid Shokri	Synthesis and characterization of a bioactive adhesive hydrogel with hemostatic properties incorporating teriparatide-loaded mesoporous hydroxyapatite for bone tissue regeneration

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1525	Mohammadamin Taghimollaee	Green Synthesis and Physicochemical Characterization of Copper Oxide Nanoparticles Using Aloe Vera Extract
1538	Amirhosein Bahrampoor	Preparation of thiolated hyaluronic acid hydrogel using click chemistry and characterization of its mechanical and biological properties
1542	Nourieh Sadat Zeidi	Kombucha-Derived Bacterial Cellulose Films Loaded with Tannic Acid for Antibacterial Wound Dressing Applications: Effect of Loading Method and Concentration
1546	Fateme Mahyarnia	Properties and Characterization of Bismuth Nanostructures with a Focus on Biomedical Applications
1550	Amir Hossein Karami	Molecular Dynamics Study of Fibrin Adhesion on Titanium, Hydroxyapatite, and Carbonate Apatite Surfaces: Implications for Early Implant Healing
1564	Parinaz Zare	Development of High-Entropy Spinel Nanomaterials with a Biomedical Approach: Synthesis and Characterization
1573	Seyed Mehrad Hosseini	A Bead-in-Gel Strategy for Incorporating Poppy Seed Extract into a Fibrin Matrix
1574	Zohreh Hamnabard	Radiolabeling of Molybdenum Disulfide (MoS_2) Nanosheets with Gallium-68 Radioisotope
1577	Kiana Mohagheghiyan	Layer-by-Layer Engineered Silk Fibroin/HAMA Microneedles with Enhanced Mechanical Strength and Controlled Swelling
1586	Pooria Vadaee	Laser Powder Bed Fusion of Pure Zinc for Biodegradable Implant Applications: Gas Flow Modification and Process Optimization for High- Density Parts
1595	Vahid Yousefi Mehr	Superior biological responses in a bio-inspired FeMnNiCr high-entropy alloy
1600	Maryam Modarai mashhour	Fabrication and Characterization of Bio-Conductive Scaffold composed of Polyaniline, poly Maltitol Sebacate: poly Xylitol Sebacate by Freeze-Casting Method for Cardiac Tissue Engineering Applications
1604	Soraya Zahedi Estahbanati	In Situ Fabrication of a Bacterial Cellulose-Based Photothermal Wound Dressing
1613	Javid Mirzaei	Outcome-Reporting Patterns in Cell-Laden Hydrogel Research for Corneal, Dental Pulp, and Islet Tissue Engineering: A Structured Content Analysis of AI/ML Adoption
1615	Niloofar Istan	Effect of Increasing the Number of Cells on the Auxetic Behavior of Four-Star DNA Origami Nanostructures
1616	Mostafa Kord Noghabi	Engineering pH-Responsive CaO_2@Polydopamine Nanocomposites for Reactive Oxygen Species Generation: A Simplified Synthesis Approach
1625	Kimia Tavakoli Dehaghi	Single-Component Immunomodulatory Hyaluronic Acid Hydrogel Patch for Accelerated Chronic Wound Healing
1666	Zahra Goudarzi	Boosting the Performance of Gelatin/Alginate/Polyacrylamide Hydrogels Through Photopolymerized Structures for Wound Healing Applications
1687	Hosein Emadi	Mechanical properties of 3D-printed polycaprolactone-baghdadite scaffolds for bone tissue engineering applications
1688	Yeganeh Salehi	Bioactivity and Cytocompatibility of Printed Calcium Magnesium Silicate Composite Scaffolds
1691	Paniz Mahvash Mohammadi Varnousfaderani	Preliminary assessment of cell-material interactions on microtextured pyrolytic carbon surfaces

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1694	Maede Dorrinajafabadi	Fabrication of Intraocular Lenses for Cataract Treatment via Cast Molding of Methyl Methacrylate and Butyl Acrylate Copolymer
1708	Vida Marvi	Preparation of a Composite Hydrogel Based on Gellan Gum and Keratin Extracted from Sheep Wool
POSTER SESSION: Biomechanics, Medical Robotics and Sports Engineering		
1006	Sepehr Parvin	Musculoskeletal Injury Risk Assessment and Intervention in a Cylinder Head Assembly Workstation Using Biomechanical and Ergonomic Tools
1027	Negin Nasirian	An Integrated Framework for Biomechanical Risk Assessment of Work-Related Musculoskeletal Disorders at a Clutch Disc Assembly Workstation
1045	Mohammad reza Mashouf	Biomechanical Trajectory Optimization of Human Lifting: A Comparative Study of Metaheuristic Algorithms (PSO , GWO & Hybrid)
1047	Mohammad Amin Parsaei Tashi	Comparative Finite Element Analysis of PMMA and CPC Bone Cements in Kyphoplasty
1065	Rana Shahin	Design and Implementation of an Adaptive Control System for a Lower_Limb Exoskeleton Based on EMG _Driven Intention Detection
1081	Erfan Farahani	Phase-Specific Coactivation of the Biceps Brachii and Lateral Head of the Triceps Brachii During the Dumbbell Biceps Curl Exercise
1086	Tina Sanaei Majd	Effect of Cross-Sectional Geometry on Biomechanical Performance of Gyroid TPMS Hip Implants: A Finite Element Study
1088	Hedayeh Mehmanparast	Effect of Functional Grading Direction on Stress Shielding Reduction in Pedicle Screw Fixation: A Comparative Finite Element Study
1110	Mohadese Rajaeirad	Patient-Specific Finite Element Analysis of Tibial Component Alignment in Total Knee Arthroplasty for Machine Learning-Assisted Surgical Planning
1114	Abolfazl Kazemian Aski	Stress Analysis of the Finger Joint in a Biomechatronic Hand
1126	Nelyana Gerigourian Hezarjeribi	A Comparative Finite Element Study on the Effect of Bone Material Assignment on Contact Mechanics of a Type B1 Distal Humerus Fracture
1127	Parvaneh Khalili	Model-Estimated Muscle Force Sharing at the Glenohumeral Joint During the Volleyball Spike: A Static Optimization Study Across Three Intended Spike Speeds
1128	Saba Mirzakhani	Evaluating the Mechanical Performance of Splints Fabricated via Thermoforming, 3D Printing, and Thermoforming of 3D-Printed Sheets: A Combined Experimental-Numerical Approach
1130	Parvaneh Khalili	Shoulder Muscle Co-Contraction as an Index of Dynamic Glenohumeral Stability During the Volleyball Spike
1132	Reza Sabbagh	Simulation of the Effect of a Passive Exoskeleton on Upper-Limb Muscle Activity Under Vibrational Conditions
1145	Shaghayegh(Zahra) Dolatyar	Effect of Osteotomy Opening Gap on Lateral Hinge Stress and Opening Force in Medial Opening-Wedge High Tibial Osteotomy: A Finite Element Study
1170	Sevin Jamalzadeh	Mechanical and Robotic Design of a Centrifugal Lab-on-CD Actuation Platform for Automated Blood Plasma Separation
1191	Mohammad Zolfaghari	Comprehensive Mechanical Analysis of Abutment Screw in Dental Implant Assembly
1200	Elika Pooladi	Finite Element Analysis of Anterior Cruciate Ligament Loading During the Early Phase of a Single-Leg Hop Landing

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1240	Mohammad Aalipour	Finite Element Analysis of Degenerative Cervical Myelopathy: Current Advances and Future Prospectives
1245	Morteza Memari	State-Image and Dynamic Time Warping-Based Movement Assessment in a Dual-Humanoid Robot Framework for Down Syndrome Rehabilitation
1266	Amir-Hasan Amini	Biomechanical and Ergonomic Evaluation of Workstation-Specific Pallet Redesign for Repetitive Crankshaft Lifting
1280	Amir Ali Adham	Dynamic Modeling and Comparative Trajectory-Tracking Control of a 4-DOF Taekwondo Kicking-Leg Model: Backstepping, Sliding Mode, Feedback Linearization, and Adaptive Approaches
1288	Masoud Shirzadeh	LMI-SMC-PSO: A Robust and Optimized Control Framework for Lower-Limb Rehabilitation Exoskeletons
1318	Fahime Rezazade	Finite Element Evaluation of Distal Screw Length on Stability in Volar Plate Fixation of Osteoporotic Distal Radius Fractures
1319	Shayan Javadi	One-Class Multivariate Gaussian Model for Detecting Assistance Need in Robot-Assisted Upper-Limb Rehabilitation
1323	Mohammad Saleh Kazemi	Comparison of the Mechanical Response of Healthy and MS Brains Under Impact: An MRE-Based FEM Simulation
1336	Sina Saghari	Numerical Evaluation of a Porous External Fixator for Transverse Tibial Fracture Using Finite Element Method: Comparison with a Standard Design
1337	Shirin Ebrahimi Khazdouz	Simulation of Paper-Based Time-Temperature Indicators Using Capillary Flow in Porous Media
1352	Mehrnaz Badrossamay	Musculoskeletal Injury Risk Assessment and Evaluation of Intervention Strategies for Pushing and Pulling Tasks in a Tire Manufacturing Workstation
1360	Fatemeh Atashgar	Glial Soma Contribution to Macroscopic Stress and Local Matrix Mechanics in Brain White Matter
1362	Fatemeh Atashgar	Characterizing the Mechanical Environment Around Glial Cells in White Matter
1367	Elahe Aghadadashi	Effects of Ambient Air Pollution Exposure on Surface Contamination and Viscoelastic Behavior of Human Hair
1383	Hasti Riyahi Dehkordi	Evaluating the Substitution of Cyclic Loading with Static Analysis in a Heterogeneous Linear Elastic Model of Distal Radius Fracture
1396	Amirali Kashani	Biomechanical Analysis of a Modified Lumbar Disc Prosthesis: A Finite Element Study
1402	Mohammad Saeid Safizadeh	Effect of Trunk Flexion on Spinal Compressive and Shear Forces at L4/L5 and L5/S1 During Pushing and Pulling: A Musculoskeletal Modeling Study
1419	Masoomeh Mirzaei Rafsanjani	Dynamic Modeling and ERL-SMC Tracking Control of a Six-DOF Biomechanical Model for Tennis Serve Motion
1421	Mohammadmahdi Rezvan	Design and static biomechanical evaluation of a hybrid annulus-preserving implant for reducing the risk of subsidence in the L4-L5 lumbar motion segment
1426	Mohammad Montazeri	Redundancy Resolution of Rehabilitative Multi-Segment Gough-Stewart Platforms using Genetic Algorithm
1439	Nadia Ansaripour	Does Miniscrew Design Matter? A Patient-Specific Finite Element Study of Orthodontic Anchorage

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1463	Ali Haghshenas	Biomechanical Analysis and Ergonomic Intervention in Manual Material Handling Using Markerless Pose Estimation and Musculoskeletal Modeling
1472	Kobra Pirmohammadi	Simulation of Stiff Knee Gait in OpenSim Software: Comparison of Predictive Forward Dynamics and Inverse Dynamics in 2D and 3D Musculoskeletal Models
1488	Seyyed Arash Haghpanah	Denavit-Hartenberg-Based Kinematic Modeling and Gain-Optimized Sliding Mode Control for Squat Motion Tracking
1494	Narges Farzin	Neuromuscular Adaptations of the Lower Limb During Stance Phase Six Months After Total Knee Arthroplasty: A Longitudinal Study
1509	Ali Ramazani	Intention-Based Fuzzy Control of an Arm Exoskeleton Using FSR Sensors
1526	Mahdi Mohamad Asghari	Stress Analysis of Femur Intercalary Prosthesis with Intraoperative Angle Adjustment
1582	Paniz Shakouri	Participant-Disjoint, Session-Order-Blind KNN-Graph Consensus Identifies Practice-Related Foot-Drawing Profiles
1597	Hanieh Habibi Jirdehi	Task-Dependent Reliability of the Co-contraction Index in Knee Movements: A Comparison Between Healthy and Individuals with Knee Abnormalities
1623	Mohadeseh Jafarian	Muscle Synergy Patterns during Simple Knee Flexion-Extension Movements in Healthy Individuals and Patients with Knee Osteoarthritis
1642	Amirhossein Khalouei	Musculoskeletal Modeling of Muscle Force Redistribution During Sit-to-Stand Following Total Hip Arthroplasty
1350	Saba Mostajabodavati	Machine learning-assisted liquid crystal-based aptasensor for the specific detection of whole-cell Escherichia coli in water and food
1369	Shohreh Shahabadi	Toward Dopamine Sensing with Oxygen-Deficient Plasmonic MoO3-x NSs: A Concentration-Regime-Dependent Fluorescence Response
1370	Maryem Amoo	Development of an Electrochemical Biosensor for Sensitive Detection of the CD4 Biomarker
1392	Paniz Faraji	Cross-Subject Muscle Fatigue Classification During Dynamic Elbow Flexion Using Sensor Fusion
1398	Amin Foroozan Najafabadi	Self-Powered Triboelectric Pulse Sensor for Wearable Health Monitoring
1405	Amin Aref	Simultaneous Optimization of Geometry and Materials of Impedimetric Biosensors Using Bayesian Optimization
1524	Mohammad Mehdi Soleimani TaghiAbadi	Design and Simulation of a Microfluidic Chip Based on Dielectrophoresis (DEP) for the Separation of Colorectal Cancer Cells from Blood Cells
1527	Mohammad Mehdi Soleimani TaghiAbadi	Design and Simulation of a Microfluidic Disc for Separating PC3 Prostate Cancer Cells from Blood Cells
1540	Ramez Pourahmad	Membrane-Free Drift Compensation in Amperometric Nanozyme Biosensors Using a Lightweight 1D-CNN Framework
1575	MohammadMehdi Sadeghian Khorasgani	Surrogate-Assisted Optimization of an Inertial Microfluidic Device for High-Efficiency and Low-Stress Circulating Tumor Cell Separation
1593	Ali Kashefi	Tailoring 3D-Printable Conductive Hydrogels through Thiourea Functionalization and MWCNT Incorporation for Potential Bioelectronic Applications

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1606	Soheil Moradi	Design and Comparative Analysis of DSRR-Based Microwave Sensors with Different Geometries
1627	Omid Raeisi Filabadi	Simulation-Trained 1D-CNN for Gradient-Encoded NV-Diamond ODMR: An In-Silico Proof-of-Concept for Interference-Aware Biomarker Quantification
1630	Paria Gheysari	Biosensor based on electroactive molecularly imprinted nanopolymers for monitoring the infertility hormone estradiol in saliva
1632	Pegah Mamasani	Disposable Biosensor Based on Electroactive Molecularly Imprinted Polymer/Graphene Nanoribbon for Oriented Immobilization and On-Site Detection of D-Dimer
1635	Forouzan Nourani	Reaction-Diffusion Kinetic Modeling and In Silico Evaluation of Single-Atom Nanozymes and Conductive Nanofiber Bio-Interfaces for Comorbid Biomarker Detection