

Floor	Number	Last Name	First Name	Title
M3	1	Adeniran	Joshua	Numerical Simulations, Scaling Analysis, Surrogate Experiments, and Analytic Model of Microbial Growth in a Rotating Bioreactor
M3	2	Anand	Akshay	A Mathematical Framework to Calculate Facemask's Effective Filtration Efficiency in Large Population
M3	3	Bhatt	Sagar	Modeling and Simulation of Deformation Caused by Phase Transformation from beta to alpha in Ti-6Al-4V during Processing
M3	4	Bugas	Daniel	Network Plasticity: a Mesoscale-to-Continuum Model for Grain Boundary Mediated Plasticity
M3	5	Jaiswal	Suman	Modeling of Collagen Fiber Orientation in the Plane of the Porcine Dermis
M3	6	Jiang	Aojia	Flow-induced vibrations of closely packed flapping flags
M3	7	Kach	Jeremy	Prediction and measurement of leaky dielectric drop interactions
M3	8	Khodavirdi	Hossein	The analytical structure of acoustic and elastic material properties
M3	9	Kim	Sangjun	An unobstructive hand band with a stretchable magnetic backplane for high-power wireless charging
M3	10	Liu	Senyyuan	Molecular Dynamics Simulations of Hydrophilic-Hydrophobic Diblock Copolymer Assemblies in Shear Flow: Effect of Concentration, C
M3	11	Patel	Zainab	Size-Affected Fracture of Lightweight Nano-Bouligand Materials
M3	12	Roure	Gesse	Numerical simulation of droplets in three-dimensional microchannels
M3	13	Shankar	Kaushik	A Three-Dimensional Multiscale Model for Platelet Aggregation Under Flow
M3	14	Shishir	Md Imrul Reza	Topology Optimization Through Machine Learning
M3	15	Sridhar	Archana	Drag and turbulence in particle-laden compressible flows
M3	16	Ye	Qihao	Minimal Positive Stencils in Meshfree Finite Difference Methods for Linear Elliptic PDEs
M2	17	Arora	Nitesh	Magnetoelastic Instabilities in Soft Microstructured Magnetoactive Elastomers
M2	18	Bahmani	Bahador	Manifold embedding model-free elasticity
M2	19	Braroo	Sakshi	An Interaction-Informed Damage Model for Dynamic Failure of Brittle Solids
M2	20	Chen	Dean	Instability-induced Pattern Transformation in Soft Particulate Composites
M2	21	Doha	Umnia	Disorder to order transition in cell-ECM systems mediated by cell-cell collective interactions

M2	22	Fietek	Carter	Analysis of Element Size on Failure Model Performance
M2	23	Fincher	Cole	Mechanisms of Metal Filament Penetration in Solid Electrolytes
M2	24	Jokar	Mehdi	Modeling of Porous Structures via Variable-Order Fractional Continuum Theory
M2	25	Leanza	Sophie	Ring Origami for Foldable and Wearable Electronics
M2	26	Lee	Hsiao Wei	MODELING ULTRASONIC VIBRATION FATIGUE WITH UNIFIED MECHANICS THEORY
M2	27	Li	Zhengjie	Stretchable hybrid response sensors
M2	28	Maciel de An	Lucas	A Creep Test System for In-situ Testing of Miniature Specimens
M2	29	Motiwale	Shruti	NNFE Simulation of Anisotropic Material Models for Organ Level Simulations of the Aortic Heart Valve
M2	30	Rao	Yifan	Mechanics and Application of Elastic Wetting: Substrate-Supported Droplets Confined by Soft Elastic Membranes
M2	31	Srivatsa	Srikar	Exploring the Material Property Space of Asymmetric Lattice Metamaterials
M2	32	Varner	Hannah	Volume Controlled Cavity Expansion (VCCE) for Constitutive Modeling of Soft Materials
M2	33	Wei	Ding	Multiscale Uniaxial Nonlocal Beam Modeling: Distributed Order Fractional Timoshenko Beam Theory
M2	34	Wu	Shuai	Untethered Control of Functional Origami Robots with Distributed Actuation for Multimodal Deformation
M1	36	Ansari	Mohammad Ali	Novel correlations between process forces and void morphology for effective detection and minimization of defects during FSW
M1	37	Bindiganavile	Ravi Srivatsa	Modeling Non-Steady Temperature Fields in Shear Localized Chip Formation in Machining
M1	38	Chawla	Harshit	Determining Large Strain Metal Plasticity Parameters using In-Situ Full-Field Observations of Cutting
M1	39	Fontenele	Fernanda	Instabilities in soft and biological composites
M1	40	Huang	Shenglin	Variational Onsager Neural Networks (VONNs): A Thermodynamics-Based Variational Learning Strategy for Non-Equilibrium Modeling
M1	41	Ihuaenyi	Royal	A Nonlinear Thermo-Viscoelastic Model for Polymeric Battery Separators
M1	42	Janssen	Mathijs	Stability of a cylindrical, protein-covered lipid membrane

M1	43	Jetti	Yaswanth Sai	Scaling in Anti-Plane Elasticity on Random Shear Modulus Fields with Fractal and Hurst Effects
M1	44	Krupal	Patel	Numerical Modeling of cavitation and fibrillation in PSA tapes
M1	45	Lee	Yongkyu	Deep Springs: Inverse Design of Suspended Elastic Rods using Neural Networks
M1	46	Meier dos Sa	Maycon	Phase Field Modeling of Regression Rates and Morphology in Solid Composite Propellants
M1	47	Moestopo	Widianto	Knots are Not for Naught: Topology and Constituent Materials Effects in Hierarchical Intertwined Materials
M1	48	Osloub	Ehsan	Nonlinear Dynamic Analysis of Thin Elastic Rods using Kirchhoff Theory and B-spline Discretization
M1	49	Pathrudkar	Shashank	Machine learning model for predicting the electronic structure of nanotubes under strain
M1	50	Singh	Abhinav	A C++ domain-specific language for scalable active-matter simulations
M1	51	Suhail	Amir	Kinetic model description of dissipation and recovery in collagen fibrils under cyclic loading
M1	52	Wei	Chen	Viscoelasticity and Fracture of Liquid Crystal Elastomers