ID	Title	Section Title	Status	Invitation Letter (PDF File)	Business Visa Application Documents
4118	The Journal Impact Factor, researcher h-index, Researcher skills improvement	Symposium	Accepted	Sent to author	
4561	Dynamic Fracture - A Photomechanic Analysis	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5156	Small Vibration Measurement of Plant Equipment Using Sampling Moire Camera	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5188	APPLICATION OF FIBER BRAGG GRATING STRAIN SENSORS IN WIND TURBINE BLADES MONITORING	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	Sent to Japan
5265	Investigation of Systematic Error Characteristics and Error Elimination Method in Digital Image Correlation	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5295	Simultaneous Identification of Two-independent Viscoelastic Characteristics with the Virtual Fields Method	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5313	Optical phase-based method for dynamic deflection measurement of railroad bridge	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	

5315	Full-Field Microscale Strain Measurement of Carbon Fiber Reinforced Plastic Using 2-Pixel Sampling Moire	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5365	Inversion of Residual Stresses Silicon Wafer from Deflection Distribution	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5395	Investigation on 3-D Deformation of Granular Materials under Compression Using Electronic Speckle Pattern Interferometry	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	Sent to Japan
5557	Fringe pattern analysis: some results and discussions (III)	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5707	Self-calibration single-lens 3D video extensometer for high-accuracy and real-time strain measurement	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	Sent to Japan
5764	Whole-field characteristic of unbound water loss in dentin hard tissue	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	Sent to Japan
5867	Camera array-based digital image correlation for high-resolution strain measurement	Symposium 01: Advances in Experimental Solid Mechanics	Accepted	Sent to author	
5761	Numerical Investigation of Floor Response Spectrum Considering Nonlinear Behavior of Shear Walls in Nuclear Power Plants	Symposium 02: Advances in Smart and Functinal Construction Materials and System	Accepted	Sent to author	

5846	Probabilistic Floor Response Spectrum of Nonlinear Nuclear Power Plant Structure using Latin Hypercube Sampling Method	Symposium 02: Advances in Smart and Functinal Construction Materials and System	Accepted	Sent to author	
5299	AN EXPERIMENTAL STUDY ON PROPERTIES OF HIGH-VOLUME SLAG AND FLY ASH CEMENTS INCORPORATING CALCINED OYSTER SHELLS WASTE	Symposium 02: Advances in Smart and Functinal Construction Materials and System for Civil Infrastructure	Accepted	Sent to author	
5320	Synthesis of Hybrid Adsorbents Supported by Geopolymer	Symposium 02: Advances in Smart and Functinal Construction Materials and System for Civil Infrastructure	Accepted	Sent to author	
4928	Numerical and Experimental Investigation of Crack Paths in Ferroelectrics	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5030	Cohesive Zones and Interactions of Mixed-Mode Interface and Matrix Cracks	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5037	Three-Dimensional J-Integral based on a Domain Integral Method for Non-homogeneous Solid with Residual Stresses Undergoing Large	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5084	Computation of Mixed Mode Stress Intensity Factors in 3D Functionally Graded Material Using Tetrahedral Finite Element	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5164	CONFIGURATIONAL FORCES IN THREE-DIMENSIONAL CRACK LOADING ANALYSES AND CRACK GROWTH SIMULATIONS	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	

5444	A Smoothing Gradient-Enhanced Damage Model	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5606	Numerical Prediction of Penetration Shape in Metal Active Gas Welded Joints of Steel Plates	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5895	J-integral evaluation of cracked shell structures employing effective reproducing kernel meshfree modeling	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
5896	Evaluation of dynamic stress intensity factors using varying horizon size in ordinary state-based peridynamics	Symposium 03: Computational fracture modeling on welded joints and advanced materials	Accepted	Sent to author	
4465	Thermal Behavior of Phase Change Material (PCM) inside a Cavity: Numerical Approach	Symposium 04: Phase Change Material: Numerical and Experimental Results	Accepted	Sent to author	
4980	Implementation of Micro Encapsulated Phase Change Material (MECPM) into Fluid Based Heat Exchangers	Symposium 04: Phase Change Material: Numerical and Experimental Results	Accepted	Sent to author	
5145	Analysis On The Thermal Performance Of Nanofluids As Working Fluid With Porous Heat Sink	Symposium 04: Phase Change Material: Numerical and Experimental Results	Accepted	Sent to author	
5346	Domestic Hot Water Storage Tank Using Phase Change Materials (PCMs): Numerical Approach	Symposium 04: Phase Change Material: Numerical and Experimental Results	Accepted	Sent to author	

5573	Experimental Study on the Thermal Performance of a PCM Panel with Mach-Zehnder Interferometry	Symposium 04: Phase Change Material: Numerical and Experimental Results	Accepted	Sent to author	
4656	Numerical continuation of families of periodic orbits in the circular restricted three-body problem	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	Sent to Author
4851	Vibration Isolation for Sensitive Payloads of Spacecrafts via Stewart Platform with the X-shape Supporting Structure	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	Sent to Japan
4902	Dynamic analysis of stochastic friction systems using the generalized cell mapping method	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	Sent to Japan
5017	Acoustic Signal Separation And Noise Reduction Of A Contra-rotating Fan	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	Sent to Japan
5049	Nonlinear aeroelastic stability of a damaged panel with parametric changes via exploiting nonlinear tools	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	Sent to Japan
5197	The Influence of Initial Deflection on Nonlinear Flutter Response of Functionally Graded Plates	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	Sent to Japan
5567	Nonlinear Flight Dynamics of Very Flexible Aircraft	Symposium 05: Nonlinear dynamics and control in aerospace engineering	Accepted	Sent to author	

5203	On a Solver of Stiffness Maximization Problems in 3D with Multiple Materials Using Reaction Diffusion Equations	Symposium 06: Recent Trends in Topology Optimization	Accepted	Sent to author	
5234	Microstructural Topology Optimization of a Magnetic Actuator for Improving Multi-physics-based Performance	Symposium 06: Recent Trends in Topology Optimization	Accepted	Sent to author	
5024	An Adaptive Image Restoration Method Based on Combination of First and Second Order Total Variations with Inverse Gradient	Symposium 07: Image Processing and Analysis	Accepted	Sent to author	
5271	Image Processing/Machine-Learning For Auto-Labeling Of Steel Images On Present Microstructures	Symposium 07: Image Processing and Analysis	Accepted	Sent to author	
5358	Joint End-to-End Learning for Scale-adaptive Person Super-resolution and Re-identification	Symposium 07: Image Processing and Analysis	Accepted	Sent to author	
5437	Transfer Learning Approach in Automatic Tropical Wood Recognition System	Symposium 07: Image Processing and Analysis	Accepted	Sent to author	
5760	Infrared blind-pixel compensation algorithm based on Generative Adversarial Networks and Poisson image blending	Symposium 07: Image Processing and Analysis	Accepted	Sent to author	
4704	Block theory and its application to ABH tunnel project	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Author

4782	Direct Extraction of Stress Intensity Factors For Complex Cracks By Numerical Manifold Method With High-Order Enrich Functions	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Author
4809	Numerical Study of Mechanical Characteristics and Crack Evolution Law of Coal-rock with Different Fracture-hole Defects by Particle Model	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Author
5015	Simplified Method For Safety Assessment On Corroded Municipal Drainage Culvert And Its Engineering Application	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Author
5202	Nonlinear Model Updating based on Dynamic Response Decomposition	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5305	A COMPREHENSIVE SAFETY EVALUATION METHOD OF SURROUNDING ROCK DURING UNDERGROUND CAVERN	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5324	Gas Sealing Behavior of Gasketed Segmental Joints in Shield Tunnels: An Experimental and Computational Study	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Japan
5333	The Regulation of Earth Pressure on Bulkhead in the Tunneling Process of an EPB Shield Machine	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Author
5338	A 3D model for the interaction between natural fractures and hydraulic fractures	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	

5436	Numerical Analysis for Coupled Deformation of Gas-bearing Strata and Cross-river Shield Tunnel under Gas-Water Leakage	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Author
5480	A New Prediction Method for Reservoir Physical Properties Based On Sedimentary Facies Automatic Division	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5525	NUMERICAL STUDY OF DIRECTIONAL EFFECT ON DYNAMIC FRACTURE BEHAVIORS IN FGMS BY PERIDYNAMICS	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5526	NUMERICAL STUDY ON COUPELD HYDRO-THERMO-MECHANICAL FRACTURE BEHAVIORS IN ROCKS	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5623	CRACK PROPAGATION-BASED FATIGUE EVALUATION OF RIB-TO-DECK WELDED JOINTS OF ORTHOTROPIC STEEL BRIDGE DECK BY	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	Sent to Japan
5891	Gas Sealing Behavior of Gasketed Segmental Joints in Shield Tunnels: An Experimental and Computational Study	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5931	STUDY OF POST-FAILURE BEHAVIOR OF LANDSLIDES USING MESHFREE METHOD	Symposium 08:Computational & Experimental methods in geotechnical and multidisciplinary engineering problems	Accepted	Sent to author	
5094	Artificial Force Free Boundaries: Particle-Based Fluid Simulation With Implicit Surfaces	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	

5180	Droplet-falling Impact Simulations by Particle-based Method	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
5292	New Activation Functions in CNN and Its Applications	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
5316	Simulation of power deposition in helicon discharge of a plasma engine	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
5446	Seismic Response Analysis of a High-rise-building with Seismic Isolation Rubber	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
5496	Numerical Evaluations of Parallelization Efficiencies ofCommunication Avoiding Krylov Subspace Method for Large Sparse Linear System	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
5501	Estimation of Electric Field between the Capillary and Wire-netting Electrodes during the Electrostatic Atomization from Bio-Emulsified fuel	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
5521	Investigation of Block Krylov Subspace Methods with Dummy Right-hand Sides for Solving Linear Systems Obtained by Extended Element-Free Galerkin Method	Symposium 09: Computational & Experimental Fluid/ Electromagnetic Dynamics and Other Applications	Accepted	Sent to author	
4833	molecular dynamics study on the temperature dependence of deformation behaviors in bi-crystal magnesium nanopillars with a {10-12}twin boundary	Symposium 11: Nano/ Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	Sent to Author

4865	Softening-to-hardening of stretched diamondene nanotubes	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
4889	molecular dynamics study on the effects of surface notches on plastic deformation behavior of magnesium nanopillars	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	Sent to Author
5014	The Optical and Thermal Characteristics of Mirror-backed Dark Alumina for Selective Solar Thermal Absorber Applications	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5118	Mesoscale modeling of microcrystalline ceramics	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5119	Structural and cooling rate effects on thermodynamics properties of Poly (ethylene oxide): a Molecular Dynamics simulation	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5306	Investigation of 3D Printing Process via Meshless Analysis and Experiment Technique	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5334	Effects of deformation rate on the unbinding pathway of the MMP8-Aggrecan_IGD complex	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5401	Classification of Crystallographic Groups of Alloy Systems by Isomap and Modularity Methods	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	

5403	The Analysis of Transformation Temperature and Microstructural Evolution in Ni-Ti based shape memory alloys by Molecular Dynamics	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5409	Finite Element Model for the Transport Swelling of Gelatin Methacrylate with Particles	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5418	Analyses of Energy Release Rate for Interface Fracture of Elastic Multilayered under Four-Point Bending	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5463	Simulation Scheme for 3D Printing Process	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5869	Computational Grains for Nanocomposites with Interface Stress Effects	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
5884	Effects of Surface Notches on Plastic Deformation Behavior of Magnesium Nanopillars A Molecular Dynamics Study	Symposium 11: Nano/Micro Structures in Application of Computational Mechanics	Accepted	Sent to author	
4313	A Integrated Model of Oil-Water Two-Phase Flow in the Complex Pipeline System	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	
5059	Experimental and Theoretical Study on Cyclic Deformation Behavior of TA17 at room temperature	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	Sent to Author

5291	Quasi Two Dimensional FEM Model for Form Rolling Analysis and its Application with LS-DYNA	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	
5342	A Biomass Based Pilot Plant for Carbon Emissions in Power Plants	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	
5385	Numerical Approach of Viscus Flow Containing Short Fiber by SPH Method	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	
5387	High Viscous Flow Analysis in the 3D Printer by SPH	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	
5425	Research on Simulation and Optimization Design of Fluid-Structure Coupling Characteristics of Reciprocating Compressor Pipeline Vibration	Symposium 12: Design, Analysis and Manufacturing through Simulation	Accepted	Sent to author	
5538	Parallel Simulation of Thermal Conduction in Coal Gasification Vessel Considering Cooling Pipes	Symposium 13: High-performance and Intelligent Computing for Real World's Applications	Accepted	Sent to author	
5888	A computational study on the fluid-structure interaction mechanism in insect flapping wings	Symposium 13: High-performance and Intelligent Computing for Real World's Applications	Accepted	Sent to author	
5902	Impact of EVs charging on power system voltage stability by transportation-electricity coupled simulation	Symposium 13: High-performance and Intelligent Computing for Real World's Applications	Accepted	Sent to author	

5111	Construction Exploration of Chongqing Environmental Supervision Information System under the Background of Environmental Protection	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5231	Development of Large-scale Finite Element Solver for Wind Turbine Blade Structure Using Balancing Domain Decomposition Methods	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5262	Implementation of Combined Ohno-Wang Nonlinear Kinematic Hardening Model and Norton-Bailey Creep Model Using Partitioned Stress	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5361	A Computational Framework for Structural and Fatigue Analysis of a 5MW Wind Turbine Blade Under Wind Loads	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5386	Fluid-structure Interaction Analysis with Minimum-height-based Mesh Moving Technique	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5393	Origin-Destination Estimation for Traffic Simulation Considering Congestion	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5442	Parallelized Microscopic Traffic Simulation with Dynamic Load Balancing	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5471	Crack Propagation Prediction using Deep Learning with Stacked Autoencorder	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	

5530	Simulation of History: Demographics Simulation of Ancient Japanese Agricultural Society	Symposium 13: High-performance and Intelligent Computing for Real World's Applications – A Minisymposium	Accepted	Sent to author	
5716	Thermodynamic Performance Analysis on Various Configurations of Organic Rankine Cycle Systems	Symposium 14: Theory and application of meshless methods for the numerical solut	Accepted	Sent to author	
5773	Moving Finite Element method ‚Äì a local meshless formulation	Symposium 14: Theory and application of meshless methods for the numerical solut	Accepted	Sent to author	
5312	A bond-based peridynamic model of penetration resistance mechanism for ceramic composite armor	Symposium 14: Theory and application of meshless methods for the numerical solution of engineering and scientific applications.	Accepted	Sent to author	
5537	P-FEM Based on Meshless Trial and Test Functions: Part I-MLS Approximation	Symposium 14: Theory and application of meshless methods for the numerical solution of engineering and scientific applications.	Accepted	Sent to author	
5229	Data-Driven Approach to Fluid Engineering	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	
5266	Kalman Filter Dynamic Mode Decomposition for Data Assimilation	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	
5289	Flow-Structure Coupled Simulation of Particle-Structure collision using Immersed Boundary Method and Finite Element Method	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	

5310	Prediction of rubber friction on wet and dry rough surfaces using flow structure coupling simulation	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	
5337	Zonal Reduced-Order Modeling of Unsteady Flow Field	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	
5364	Real-Time Prediction of Wind and Atmospheric Turbulence Using Aircraft Flight Data	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	
5465	Recombined Deep Learning Modeling Method for Fluid System	Symposium 15: Data-Driven Estimation and Control of Flow Fields in Engineering Applications	Accepted	Sent to author	Sent to Japan
4701	Numerical simulations of phase change heat transfer problems by combining quadtree SBFEM and smoothed effective heat capacity method	Symposium 16: Computational methods for phase change problems	Accepted	Sent to author	Sent to Japan
5082	Computational Solutions of Fractional Phase Change Problems	Symposium 16: Computational methods for phase change problems	Accepted	Sent to author	
5185	Numerical Modeling of Solid Movement in Phase Change Processes	Symposium 16: Computational methods for phase change problems	Accepted	Sent to author	
5066	Performance-based damage assessment of steel/RC hybrid structure	Symposium 17: Structural damage identification, maintenance and life-cycle integrity management	Accepted	Sent to author	Sent to Author

5158	Wide-view underwater image acquisition system using 40-camera array	Symposium 17: Structural damage identification, maintenance and life-cycle integrity management	Accepted	Sent to author	Sent to Japan
4957	THE FRACTION OF INTERPHASE AROUND 2D AND 3D POLYDISPERSE NON-SPHERICAL PARTICLES: THEORETICAL AND NUMERICAL MODELS	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	Sent to Japan
5090	Characterizing The Ultra-slow Creep In Concrete Based On The Non-local Structural Derivative Maxwell Model	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	Sent to Japan
5228	Characterization Method of ITZ in Concrete and Measurement of Nominal Compressive Elastic Modulus Based on SEM and DIC	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	
5258	Experimental comparison study on flow characteristics of underground soft soil under whole vibration and localized vibration	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	Sent to Japan
5380	Experimental study on flow characteristics of underground soft soil under localized vibration	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	
5392	stochastic stability of viscoelastic plate driven by Gaussian white noise	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	
5672	Investigation of Variable-Order Fractional Wave Propagation in Granular Materials	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	Sent to Japan

5784	Investigation of Variable-order Fractional Wave Propagation in Granular Materials	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	
5828	Dynamical simulation of polyhedral granular system	Symposium 18: Granular materials computational mechanics and related engineering applications	Accepted	Sent to author	
4504	Size-dependent Bounds for the Dynamic Modulus of Unidirectional Nanocomposites with Non-uniformly Staggered Distributions of Platelets	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author
4624	Hyperelastic Nonlinear Thermal Constitutive Equation of Vulcanized Natural Rubber	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	
4709	Analysis of the Performance of Bonded Tools in Turning Operation	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	
4810	Creating innovative metamaterials and structures with negative Poisson's ratio	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author
4820	Computational Grains for Nanocomposites with Interface Stress Effects	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author
4821	Micromechanical Modeling of Heterogeneous Materials by Computational Grains	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author

4848	3D microstruture model of SiC ceramic refractory and effect of SiC particle arrangement on effective mechanical properties	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	
4855	Investigating Mechanical Properties Of SiO2 Crosslinked Polyimide Through Molecular Dynamics Simulation	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	
4860	Elastic and super-hydrophobic MTES-based PI cross-linked SiO2 aerogels with excellent thermal insulation properties	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	
5078	new Fragile Points Method (FPM) in computational mechanics, based on the concepts of Point Stiffnesses and Numerical Flux Corrections	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author
5400	A Meshless Self-adaptive Precise Time-Domain Algorithm for Solving Transient Inverse problems	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author
5468	DYNAMIC INTERLAMINAR FRACTURE OF UNIDIRECTIONAL COMPOSITE LAMINATE: LOADING RATE EFFECT	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Author
5487	Simulation of Debonding Failure in FRP-to-concrete Bonded Joints by Peridynamics	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	Sent to Japan
5562	Micromechanics-based Homogenization of the Effective Physical Properties of Composites with an Anisotropic Matrix and Interfacial Imperfections	Symposium 19: Composite Materials: Modelling, Processing, Design and Application	Accepted	Sent to author	

4515	The Experimental Simulation Technology and System of Solid Fluidization Exploitation of Marine Non-diagenetic Natural Gas Hydrate	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas	Accepted	Sent to author	Sent to Author
4533	Multiphase Non-equilibrium Pipe Flow Behaviors in the Solid Fluidization Exploitation of Marine Natural Gas Hydrate Reservoir	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas	Accepted	Sent to author	Sent to Author
4566	Heat Transfer in Countercurrent Two-Phase Flow in Seabed Hydrate Gas Production System	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas	Accepted	Sent to author	
4800	Pressure Transient Behavior under Multiphase Flow Conditions in Dual-Porosity and Dual-Permeability Naturally Fractured Reservoirs	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas	Accepted	Sent to author	
4831	Droplet evaporation on the hot surface	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas from Subsea Gas Hydrate Depositions	Accepted	Sent to author	
5221	NUMERICAL STUDY ON CRACK THERMAL RESISTANCE EFFECT ON THERMO-MECHANICAL COUPLED BEHAVIOR OF CONCRETE STRUCTURE	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas	Accepted	Sent to author	
5522	Theoretical Analysis and Numerical Simulation of Multi-Fields Coupled Variation during Deepwater Hydrate-bearing Reservoir Exploitation	Symposium 20: Computer Simulation of Dynamic Mass and Heat Transfer in Gas-Liquid-Solid 3-Phase Flow in Harvesting Natural Gas	Accepted	Sent to author	
4867	Implementation of SPH and DEM for the PEZY-SC computer	Symposium 21: New Horizon of Computational Science and Engineering with Heterogeneous Many-Core Processors	Accepted	Sent to author	

4906	pzqd: PEZY-SC2 acceleration of double-double precision arithmetic library for the high precision BLAS	Symposium 21: New Horizon of Computational Science and Engineering with Heterogeneous Many-Core Processors	Accepted	Sent to author	
5390	Simulations of Core Collapse Supernova Explosion on PEZY-SC Processors and GPUs	Symposium 21: New Horizon of Computational Science and Engineering with Heterogeneous Many-Core Processors	Accepted	Sent to author	
5476	Efficient GPU Integration for Multi-loop Feynman Diagrams with Massless Internal Lines	Symposium 21: New Horizon of Computational Science and Engineering with Heterogeneous Many-Core Processors	Accepted	Sent to author	
5189	Structural damage detection with uncertainties using a modified tree seeds algorithm	Symposium 22: Structural uncertainty quantification and reliability analysis	Accepted	Sent to author	
5486	DWA AND IDWA METHODS FOR DYNAMIC LOAD IDENTIFICATION OF STRUCTURES WITH INTERVAL UNCERTAINTY	Symposium 22: Structural uncertainty quantification and reliability analysis	Accepted	Sent to author	
5517	Interval Field Model and Interval Finite Element Analysis	Symposium 22: Structural uncertainty quantification and reliability analysis	Accepted	Sent to author	Sent to Japan
5520	Interval Process Model for Dynamic Uncertainty Quantification	Symposium 22: Structural uncertainty quantification and reliability analysis	Accepted	Sent to author	

5523	Direct Interval Multi-objective Optimization method for Uncertain Structures	Symposium 22: Structural uncertainty quantification and reliability analysis	Accepted	Sent to author	Sent to Japan
4805	FLOW CHARACTERISTICS OF NON-SPHERICAL PARTICLES SIMULATED WITH SUPER-QUADRIC DEM	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	Sent to Japan
5054	Mathematical Modeling the Convection Heat Transfer Mechanism in Steam-Assisted Gravity-Drainage Process	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5080	An inward and outward growing shell model in water-in-oil mud	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5097	Effect Of Lower Punch Movement On Powder Flow In Die-filling	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5267	Mixing and Segregation in Liquid Fluidizations of Spherical and Ellipsoidal Particles	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5279	Interaction Simulations Between Fluids And Complicated Structures Using EMPS-FEM	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5284	Bubble Dynamics in Gas-Solid Fluidized Beds with Ellipsoidal Particles	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	

5348	Coupled DEM-LBM simulations for fluid flow dynamics in a porous sand filter	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5351	DEM Simulation on the Segregation of Cube and Sphere Binary Mixture under Mechanical Vibration	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5434	Computational modelling of dispersion of inhalation drug powders	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5435	Finite Element Analysis Of Tensile Strength Of Powder Compacts	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5438	A Scaling Approach For CFD-DEM Modelling Of Thermochemical Behaviours In Moving Bed Reactors And Its Application	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5441	Particle shape-induced axial segregation of binary mixtures in a rotating drum	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5451	Numerical Simulation of a Gas-solid-liquid Flow in a Blender	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5491	SIMULATION OF WAVE INDUCED ICE BRAKEUP PROCESS USING DILATED POLYHEDRAL DEM	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	Sent to Japan

5493	DEM SIMULATION OF FIRST-YEAR ICE RIDGE INTERACTIONS WITH MOORED STRUCTURES	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	Sent to Japan
5495	Discrete Simulation of Particle Separation in Microfluid due to SSAW	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5534	Large eddy simulation of the very high Reynolds number wall turbulence with a near-wall correction	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	Sent to Japan
5689	A Hybrid Lattice Boltzmann and Finite Difference Model for Droplet Dynamics with Surfactants	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5785	Numerical Analysis of Wet Granular Flows in a Screwing Process	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5820	Numerical study on damping effect of particles on acoustic field	Symposium 23: Modelling of multiphase flow and particulate systems	Accepted	Sent to author	
5112	Tensile Properties of Carbon Fiber Reinforced Polymer Matrix Composite	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	
5138	Crack-Induced Resistivity Changes in Carbon Nanotube Reinforced Composite	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	

5220	Buckling Detection Using Carbon Nanotube Reinforced Composite Sensors	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	
5420	Efficient computation of the Green's function and its derivatives for three-dimensional piezoelectricity	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	
5528	Increasing of fluid effect on liquid storage laminated composite tank during seismic excitation	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	
5685	Micro/nano-sized piezoelectric structures analyzed by strain gradient theory	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	
5752	Mechanical energy harvesters based on piezoelectricity and flexoelectricity	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	Sent to Japan
5772	Bending of piezo-electric FGM plates by a mesh-free method	Symposium 25: Micro/nano-sized piezoelectric structures analyzed by strain gradi	Accepted	Sent to author	
5173	Comparative Study On Dry Reforming Of Methane Over Co-M (M=Ce, Fe, Zr) Catalysts Supported On N-doped Activated Carbon	Symposium 26: Functional Materials	Accepted	Sent to author	Sent to Author
5810	Temperature-dependent Raman Spectroscopy of Graphitic Nanomaterials	Symposium 26: Functional Materials	Accepted	Sent to author	

5864	II-VI Based Inorganic-Organic Hybrid Quantum Structures With High Degree Of Structural Ordering, Long-Term Stability, And Novel Properties	Symposium 26: Functional Materials	Accepted	Sent to author	
4487	Multi-scale asymptotic computations of axisymmetric piezoelectric problem for composite structures	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Author
5013	Mechanoluminescence in Elastomers: Physics and Multiscale Modeling	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	
5079	Towards Computational Design of Single Transition Metal Atom Catalysts for Nitrogen Fixation	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	
5152	Numerical simulation on the delamination behaviors of the 2nd generation high temperature superconducting tape	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5298	Solutions of Nonlinear Bending Problems of Plates with Complex Shapes	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5301	Phase field modeling of ferroelectric materials with flexoelectricity through isogeometric analysis	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5304	Modeling and simulation of chemical processes: optimizations and applications	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan

5318	Multi-field coupling behaviors on phonon and thermal/electrical properties in semiconductor nanostructures	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5329	Effect of Surfaces Similarity on Contact Resistance of Fractal Rough Surfaces under Cyclic Loading	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5417	Effect of Sand Particles on Very Large Scale Motions in Sandstorms	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5482	ROLE OF GRAIN BOUNDARY ON THE VORTEX MOTION AND OXYGEN DIFFUSION IN YBa2Cu3O7 SUPERCONDUCTORS:	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5484	Ab-initio Insights into the Single Superconducting CaCuO2/SrTiO3 Interface	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	Sent to Japan
5497	Experimental investigations on particle-turbulence interactions in wind-blown sand flows	Symposium 28: Multi-scale Modeling and Simulation of functional Materials	Accepted	Sent to author	
4979	Simulation of Casting Geometry Effect in Low-Frequency Electromagnetic Casting	Symposium 29: Verification and Validation of Metallurgical Processes Simulations	Accepted	Sent to author	
5697	High-order convergence rate of meshless local radial basis function collocation method for viscoplasticity	Symposium 29: Verification and Validation of Metallurgical Processes Simulations	Accepted	Sent to author	

5796	Prevention technology of Shrinkage Using Actual casting test and Casting Simulation	Symposium 29: Verification and Validation of Metallurgical Processes Simulations	Accepted	Sent to author	
5177	NUMERICAL ANALYSIS ON HYDROGEN DIFFUSION BEHAVIOUR IN MULTI MATERIALS RELATED TO WELD JOINT	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5204	Large-Scale Serial-Sectioning Observation of 3D Steel Microstructures Based on Efficient Exploring of Etching Conditions Using 3D	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5227	Empirical Formulae To Predict Hardness, Hydrogen Diffusion Coefficient And Tensile Properties Of Steel HAZ	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5270	Creep Model Selection for Grade 91 Steel Using Data Scientific Method	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5303	Machine Learning Prediction of Creep Rupture Time for Steels	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5311	Evaluation of Fatigue Performance in Welded Structures by Microstructure-based Simulation	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5319	In Situ Microscopic Observation and Crystal Plasticity Simulation of Fatigue Crack Formation in Ti-6Al-4V Alloy	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	

5354	Role of Microstructure on Small Fatigue Crack Initiation and Propagation behavior of Rolled and Forged Ti-6Al-4V Alloy	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5384	Data Assimilation for Grain Growth Prediction via Multi-Phase-Field Models	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5389	Universal Framework of Bayesian Creep Model Selection for Steel	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5408	Descriptor Extraction on Inherent Creep Strength of Carbon Steels by Exhaustive Search	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5416	Materials Integration System for Structural Materials Development	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5431	Experimental investigation and thermodynamic assessment of the Fe-base alloy system	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5440	Connection and execution of prediction modules using the MI workflow system	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5447	PREDICTION MODELS GENERATION BY MACHINE LEARNING FOR STRUCTURAL MATERIALS PERFORMANCE BY	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	

5453	Establishment of structure-property linkages using a Bayesian model selection method: Application to a dual-phase metallic composite system	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5454	Virtual Research Environment Integrating Heterogeneous Data Resources for Materials Science and Engineering	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5455	Automatic deconvolution of a dilatometric curve in continuous cooling transformations of steels	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5518	PREDICTION MODEL FOR WELD HYDROGEN CRACKING IN HIGH STRENGTH STEEL WELD	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5539	EnKF-based data assimilation for multi-phase-field simulation of grain growth	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5781	Numerical Model for Predicting Charpy Impact Toughness of Weld Heat-Affected Zone of Steels	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5844	Prediction of microstructures and properties of high-Cr heat resistant steel during creep deformation	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5845	Data Management In The Materials Integration System	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	

5851	Development of a model for predicting fatigue life and limit of ferrite-pearlite steels based on mechanics of microstructurally small crack	Symposium 30: Materials Integration – Fusion of computation and experiments through data science	Accepted	Sent to author	
5679	Effect of anode mass transport on performance of proton exchange membrane fuel cells	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flo	Accepted	Sent to author	
4481	Simulation Analysis of Thermal Stress of CFST Arch Bridge During Exothermic Hydration Process	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4585	Forced convective single-phase and boiling heat transfer performance of zigzag microchannel heat sinks	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4626	EFFECT OF PARTICLE RADIATION ON THE RADIATIVE TRANSFER IN THE HOMOGENEOUS GAS-SOOT MIXTURES USING WEIGHTED-SUM-OF-GREY-GASES MODEL	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4721	A POD Coupled Adaptive DEIM (POD-ADEIM) Reduced-Order Model for Incompressible Multiphase Flow in Porous Media	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
4732	Preliminary Results for Flow Boiling Heat Transfer of R1233zd in Microchannels	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4734	Numerical simulation on the influence of the properties of continuous phase on fluid flow and temperature response in a laser-heated suspended droplet	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	

4735	Experimental study on the performance of a latent energy storage system with micro-encapsulated phase change material	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4753	A Precise Model for the Performance Prediction of the Wet Cooling Towers	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4764	Recovering the Initial and Boundary Data in the Two-dimensional Inverse Heat Conduction Problems Using the Novel Space-time Collocation Meshfree	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4786	An experimental study on the mechanical properties of heat-treated hot dry rock samples under the combined action of triaxial stress and pore pressure	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4801	A Newton Second Law Abided Darcy-Brinkman-Forchheimer Framework in Matrix Acidization Simulation	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4802	The influence of operating conditions on wax removal by hot water in pipelines	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4811	Numerical investigation of multiple layer phase change materials (PCMs) in a triplex tube heat exchanger with fins	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4874	Study on the Mechanism of Weakening or Losing Surfactant Drag Reduction Ability by CGMD Simulations	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author

4888	Modelling and Simulation of Reactive Flow in Carbonate Acidizing by Gelled Acids Under 3-D Radial Conditions	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
4893	Influence of Salts on Morphology of Structures in Surfactant-Polymer Solutions Explored by Coarse Grained Dynamic Simulation	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4903	Development of an Accurate and Efficient Simplified Simulation Method for Trans-Seasonal Soil Heat Storage System	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4904	Fast Prediction of Temperature Field of Trans-Seasonal Soil Heat Storage System using a POD-ROM	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4963	Micro-scale numerical simulation of water migration in plant-based materials during isothermal drying	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4982	Effect Of Solid Properties On The Process Of Bubble Nucleation: A Molecular Dynamics Study	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
4991	Molecular dynamics simulation of the interfacial effects in nanoporous media	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5005	Implementation and Performance Analysis of IDEAL Algorithm for Fluid Flow and Heat Transfer Problems in Porous Media	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	

5008	Thermal rectification effect through the nanoscale confined fluid structure	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5023	Numerical Investigation of Heat Transfer to Supercritical Pressure Water in Vertical Tube with Non-uniform Heating Form	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5060	Topology optimization of volume-to-point problems in ballistic-diffusive heat conduction	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5061	Dynamic Mesh Technology for the Simulation Study of Single Screw Expander	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5077	Adaptive modelling for multiphase flow through debris bed with boiling	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5100	Numerical study of the Convective Heat Transfer within the Hold of an Oil Tanker Subjected to Rolling Motion	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5101	Quasi-three Dimensional Transient Model for Thermal Calculation of Buried Pipe Heat Exchanger Systems	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5159	Experiment Study of Gas-Liquid Two-phase Flow with Different Liquid Viscosities	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	

5222	The improved condensation heat transfer models on homogeneous and heterogeneous surfaces	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5275	Dewetting Behavior of Partial Wetting Droplets on Vibrating Substrates	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5294	Theoretical Analysis On The Lifetime Of Sessile Droplet Evaporation	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5308	A Direct Measurement Method for Disjoining Pressure of Lennard-Jones Potential Liquid by Molecular Simulation	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5330	Numerical Study of Helically Coiled Tube with Spherical Corrugation Based on Field Synergy Principle	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5362	Optimal arrangement of coil heat exchanger in single thermal storage tank with molten salt	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5369	Numerical study on turbulent melting of waxy crude oil in a floating roof oil tank heated by coils	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5372	Numerical study of trapped solid particles displacement from the elbow of an inclined oil pipeline	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author

5378	Numerical Investigation of Cathode Water Management in Direct Methanol Fuel Cell with Micro-porous Layer	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5405	Predicting PVT properties of fluids by machine learning	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5422	Effect of Swirling Strength on Flow Characteristics of a Heavy-Duty Gas Turbine Annular Combustion Chamber	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5423	3D numerical simulation and performance evaluation of a hybrid low concentrated photovoltaic/thermal system	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5424	PCM-based Thermal Management of a Wireless Electric Vehicle Charging System	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5426	Effect of Vortex Interaction on Fluid Flow and Heat Transfer of Vortex Generator Pair in Common-flow-up Configuration	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5427	MOLECULAR SIMULATION ON METHANE ADSORPTION IN KEROGEN	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5428	Interlayer Microchannel Cooling in 3D-IC Based on Non-uniform Heating Flux	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	

5429	NUMERICAL STUDY ON THERMAL EFFECT OF CAVITATING FLOW THROUGH VENTURI	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5445	Study on Gas Channeling Regularity and Anti-Channeling Measures of Multi-Component Thermal Fluid Huff and Puff for Xinjiang Heavy Oil	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5466	Optimization of the lattice Boltzmann thermal model for simulation of liquid-vapor phase change	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5488	Recent Progress on Phase Equilibrium Calculation in Subsurface Reservoirs using Diffuse Interface Models	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5490	Study on Pressure Loss of Inlet and Exhaust Flow in Single Screw Expander with Large internal volume Ratio	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5499	Study on Calculation of Mixed Oil-Water Volume During the Commissioning of Large Drop Continuous U-Shaped Liquid Pipelines	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5507	The Role of Solid Roughness in Wetting Dynamics	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5510	USING MACHINE LEARNING METHODS IN THE SIMULATION OF HEAT TRANSFER AND FLUID FLOW: A BRIEF REVIEW	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	

5524	Optimized Design for the Accumulator of a Mechanical Pumped Two-phase Loop	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5532	The modeling of calculating the injection mass on single screw compressor	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5590	Numerical simulation on dynamics and heat transfer characteristics of granulated molten slag particle by air with moisture	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Japan
5594	Numerical investigation of multiple layer phase change materials (PCMs) in a triplex tube heat exchanger with fins	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	Sent to Author
5824	Numerical Study on the Characteristics of the Leaking Process of Natural Gas Pipeline under Different Shapes of Leakage Holes	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5834	Study on Oily Sludge Profile Control a Mechanism on the Thermal Wells of Cyclic Steam Stimulation	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5841	The The Dynamic Analysis of the Commissioning Process of Hilly Pipelines based on Fluid Structure Interaction Theory	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5843	Numerical investigation on the concentration distribution of multicomponent fluids successive transported in long distance pipelines	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	

5885	Numerical Analysis on the Thermal Responses of Near-Critical Fluid to Transient Cooling Process	Symposium 31: Advances in Modeling and Simulation of Heat Transfer and Fluid Flow	Accepted	Sent to author	
5069	Numerical Simulation for Failure Mode Transition of Heat-Resistant CFRP under Various Temperature and Strain Rates	Symposium 32: Activities of CAE Advanced Composite Materials and Structures Research Division at TUS	Accepted	Sent to author	
5151	A Paris law-based Cohesive Zone Model for Fatigue Crack Growth Simulations	Symposium 32: Activities of CAE Advanced Composite Materials and Structures Research Division at TUS	Accepted	Sent to author	
5205	Design and Manufacturing of Composite Materials using 3D Printer	Symposium 32: Activities of CAE Advanced Composite Materials and Structures Research Division at TUS	Accepted	Sent to author	
4971	Property and process simulations for 2-D materials	Symposium 33: Low-dimensional Materials: synthesis, characterization and properties	Accepted	Sent to author	
4995	THIN FILM FORMATION AND PHOTOVOLTAIC APPLICATION OF TRANSITION METAL DICHALCOGENIDES BY LIQUID EXFOLIATION	Symposium 33: Low-dimensional Materials: synthesis, characterization and properties	Accepted	Sent to author	
5404	Hole Doping and Strain in Phosphorous Doped Epitaxial MoSe2 Monolayer	Symposium 33: Low-dimensional Materials: synthesis, characterization and properties	Accepted	Sent to author	
5407	Superstructures observed in epitaxial phosphorus on Pt(111)	Symposium 33: Low-dimensional Materials: synthesis, characterization and properties	Accepted	Sent to author	

5074	The Progress of Energy Meshless Methods by Using Trial Functions as the Bases of Solution	Symposium 34: The Progress of Energy Meshless Method by Using Trial Functions as the Bases of Solution	Accepted	Sent to author	
5272	A Directional Method of Particular Solution for Solving the 3D Poisson Equation	Symposium 34: The Progress of Energy Meshless Method by Using Trial Functions as the Bases of Solution	Accepted	Sent to author	
5485	A SEMI-ANALYTICAL MESHLESS COLLOCATION TECHNIQUES FOR STEADY-STATE AND TIME-DEPENDENT LINEAR AND STRONGLY NONLINEAR ADRES	Symposium 34: The Progress of Energy Meshless Method by Using Trial Functions as the Bases of Solution	Accepted	Sent to author	Sent to Japan
5535	Advanced Electromagnetic Materials for Aerospace Applications: Trends and Perspective	Symposium 35: Intelligent and Smart Metamaterials	Accepted	Sent to author	
5583	Wideband CPW-Fed Metamaterial Antenna Based on Two-Unit Cell Short-Ended CRLH-TL	Symposium 35: Intelligent and Smart Metamaterials	Accepted	Sent to author	
5814	Gain Enhancement of Wideband Annular ring Patch Antenna Using Electromagnetic Bandgap Structures	Symposium 35: Intelligent and Smart Metamaterials	Accepted	Sent to author	
4994	Blood Flow in Right Coronary Arteries with Multiple Stenoses	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	

5096	Design of a wideband Antipodal Vivaldi antenna with high gain for detecting breast cancer	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5254	Learning-based metal artifacts removal in head CT	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5355	Artifact Removal using GAN for Limited-angle CT Reconstruction	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5359	Sparse-view CT Reconstruction based on Improved Re-sidual Network	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5452	The simulation and experiment study of a wearable, flexible and transparent biomimetic voltage source	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5458	Neural-network-based Outcome Classification for Nursing Care	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	Sent to Japan
5474	Auto rickshaw-pedestrian head and neck impact injury mitigation-an analysis of impact material alternatives, their costs and their benefits.	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5478	A novel wideband antenna for early-stage breast cancer detection	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	

5631	Analyses of Implant Effects on Temperature Distribution in Tissues during Ultrasound Diathermy and Optimal Selections	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5794	A 2-D Tensegrity Model for Simulation of Cell Deformation and Blebbing Process in Hypotonic Solution	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
5861	Artifact Removal using GAN for Limited-angle CT Reconstruction	Symposium 36: Computational Modeling in Biomedical Applications	Accepted	Sent to author	
4443	Drispac Polymer Validation In Fluid Properties Improvement: A Case Study Approach As Substitute for Weighting Material In Water-Based Mud	Symposium 37: Polymeric Materials and Nanotechnology Advancement for Oilfield Applications	Accepted	Sent to author	
4791	First-principles study of anisotropic deformation mechanisms of TiB under uniaxial compressions	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	Sent to Author
4897	RESEARCH ON CRASHWORTHINESS OF AIRCRAFT FUSELAGE SECTON WITH DIFFERERNT COMPOSITE SKIN	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	Sent to Author
5021	Research on the permeability model of fractal fractured media in 3D Coordinate System	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	

5070	Peridynamic Modelling of Metal Materials under High-speed Velocity Impact	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	
5176	Non-ordinary State-based Peridynamic Modelling for Impacting Failure of Reinforced Concrete Structures	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	Sent to Japan
5581	High rate compressive response of bulk metallic glasses	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	Sent to Author
5894	Modelling and the FEM analysis of the effects of the blast wave on the floor of a vehicle according to the AEP-55 vol. 2 methodology	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	
5935	An ORB parallel implementation of non-orthogonal state-based peridynamics with weight function	Symposium 38: Impact Loading and failure of Structures and Materials	Accepted	Sent to author	
5179	A Simple Method for Simulation of Crack Growth in Welded Structures	Symposium 39: Simulations for Welded Structures, fracture mechanics, material strength and impact	Accepted	Sent to author	
5406	New Approach of characteristic tensor to mixed mode crack propagation	Symposium 39: Simulations for Welded Structures, fracture mechanics, material strength and impact	Accepted	Sent to author	

5489	FRACTURE STRENGTH OF BULK SUPERCONDUCTORS CONTAINING CRACKS AND HOLES IN APPLIED MAGNETIC FIELD	Symposium 39: Simulations for Welded Structures, fracture mechanics, material strength and impact	Accepted	Sent to author	
5542	Ultra Large-Scale Nonlinear FE Analysis of Welding Mechanics	Symposium 39: Simulations for Welded Structures, fracture mechanics, material strength and impact	Accepted	Sent to author	
5665	ANALYSIS OF FATIGUE CRACK PROPAGATION ON ORTHOTROPIC BRIDGE DECK BASED ON EXTENDED FINITE ELEMENT METHOD	Symposium 39: Simulations for Welded Structures, fracture mechanics, material strength and impact	Accepted	Sent to author	Sent to Japan
5863	Computations of Notch Stress Intensities at Sharp V-Notched Plates under in-plane Bending Loading by Notch-Flank Displacement Collocation Technique	Symposium 39: Simulations for Welded Structures, fracture mechanics, material strength and impact	Accepted	Sent to author	
5692	A Kinetics Study of Mo-Co Type Catalyst for Ultra-deep Hydrodesulfurization	Symposium 40: Modeling and simulation of chemical processes: optimizations and a			
4541	Research on the Cooperative Effect of Multiple Factors in the Reverse-jet Suction Nozzle for Road Cleaning Equipment	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	Sent to Author
4715	Numerical Simulation of Pulse-jet Cleaning Performance with Cone-shape Diffusers for Filter Cartridge	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	Sent to Author

4806	Modeling and simulation of catalyst regeneration process for catalytic reforming	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	Sent to Japan
4870	Construction of gas transfer channel in mixed matrix membranes and the transfer resistance model	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
4877	Dynamic Impacts of Catalyst Management on Self-fluidized Pump-free Ebullated-bed Reactor	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	Sent to Japan
4917	Converting Vacuum Residue into Light Fuels by Self-fluidized Pump-free Ebullated-bed Hydrocracking	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	Sent to Japan
4925	Experimental and Simulation Study on CO2 Capture using MEA-based Biphasic Solvents	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
4927	Experimental Research and Simulation on Bypass Flue Gas Evaporation Technology for FGD Wastewater	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
4934	Rate Limiting Effects of Adsorbed Hydrogen on Hydrogenation of Butanone in Polymer Electrolyte Hydrogen Pump Reactor: A Reaction Kinetic Study	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5000	Thermophysical properties and models of AAILs-amine blended aqueous solutions	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	

5065	Process Optimization of Wood Particles Microwave Pyrolysis with Combined Production of Bio-Oil and Syngas	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5132	Effects of Ni-Mo ratio on olefin selective hydrogenation catalyzed on the Ni-Mo-S active sites: A theoretical study by DFT calculation	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5148	Solid-state method toward PdO-CeO2 coated monolith catalysts for O2 elimination under excess CH4-kinetic behaviors	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5149	Stress analyses of large unanchored open-topped oil storage tanks with tapered shells	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5273	Process Design and Optimization of H2 production from Syngas Based on Membrane Coupling with Gasoil Hydrogenation	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5370	A Kinetics Study of Mo-Co Type Catalyst for Ultradeep Hydrodesulfurization	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
5852	Kinetic Study of Diesel Hydrodesulfurization	Symposium 40: Modeling and simulation of chemical processes: optimizations and applications	Accepted	Sent to author	
4886	Influence of Bubble's Behavior on a Catalytic Tubular Micromotor	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	Sent to Author

5168	DNA cracks at the region of protein binding under the action of stretch	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	Sent to Author
5226	Camera Array-Based Athletes Posture Measurement Method and Its Application	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	Sent to Author
5245	Research on the Fitting Method for QRS Wave Group of ECG Signals Based on Ant Colony Algorithm	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5286	The biomechanical effects of lumbar kyphosis using finite element analysis	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5326	Models of Markov Chain with Weights and its Application in Predicting the Magnetic Field Intensity of Magnetocardiogram Signal	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5430	Study on Blood Viscosity Estimation Method on Two-Dimensional Ultrasonic-Measurement-Integrated Blood Flow Analysis ~Effect of range of feedback domain~	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5433	Automated Design of Customized 3D-Printed Wrist Orthoses On the Basis of 3D Scanning	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	

5680	Modal analysis of respiratory cilia	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5930	Rating of polymers for low-cost Rapid Manufacturing of individualized anatomical models used in presurgical planning	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5906	Automated Design of Customized 3D-Printed Wrist Orthoses On the Basis of 3D Scanning	Theme: Bioengineering and Biomechanics	Accepted	Sent to author	
5210	DIC Measurement of Deformation in Cracked CFRP Cross-Ply Laminates	Theme: Composites	Accepted	Sent to author	
5248	Microscopic Model Containing Micro-Voids for Analysis of Cement Mortar Damage Fracture Process	Theme: Composites	Accepted	Sent to author	
4818	Experiment and Model Research of Gas Crossflow between Coal seams and Sandstone seams	Theme: Experimental Sciences	Accepted	Sent to author	
4822	Study on the Influence of CO2 Finger-Channeling Flooding on Oil Displacement Efficiency and Anti-channeling Method	Theme: Experimental Sciences	Accepted	Sent to author	
5211	Factors affecting the performance of hydrothermal synthesis of hydroxyapatite: A review	Theme: Experimental Sciences	Accepted	Sent to author	

5314	Research on Pollution Accumulation Characteristics of Insulators in Natural Pollution Accumulation experiments	Theme: Experimental Sciences	Accepted	Sent to author	
5376	New Approach to Acquire the Complete Stress-Deformation Response of Plain Concrete in Direct Tension	Theme: Experimental Sciences	Accepted	Sent to author	
5492	Influence of Corrosion and Fatigue on the Bending Performances of Damaged Concrete Beams	Theme: Experimental Sciences	Accepted	Sent to author	
5504	Evaluation Adaptability of Nano Wetting Agent for Releasing Tight Sandstone Gas Reservoir Water Locking Effect	Theme: Experimental Sciences	Accepted	Sent to author	
5512	Synthesis and Experimental Study of Gas-Wetting Alteration Agent for Sandstone Reservoirs	Theme: Experimental Sciences	Accepted	Sent to author	

5515	Visualization study on the migration law of temporary plugging materials in rough and tortuous fracture	Theme: Experimental Sciences	Accepted	Sent to author	
4501	Stagnation Point Flow over a Permeable Stretching/ Shrinking sheet with Chemical Reaction and Heat Source/Sink	Theme: Fluid Engineering	Accepted	Sent to author	
4602	Pressure Transient Behavior under Multiphase Flow Conditions in Dual-Porosity and Dual-Permeability Naturally Fractured Reservoirs	Theme: Fluid Engineering	Accepted	Sent to author	
4873	Heat transfer analysis of icing process on metallic surfaces of different wettabilities	Theme: Fluid Engineering	Accepted	Sent to author	
5081	Control of a Diffusion Flame by Polygonal Orifices and External Modulation	Theme: Fluid Engineering	Accepted	Sent to author	
5086	Design and Analysis of the Composite Hollow Glass Spheres Separator for Dual-Gradient Drilling in deep water	Theme: Fluid Engineering	Accepted	Sent to author	
5110	Wind pressure loads on low buildings in simple arrangements	Theme: Fluid Engineering	Accepted	Sent to author	
5114	Skin Friction Estimation in Adverse Pressure Gradient Boundary Layers Using Corrected Clauser-Chart Method	Theme: Fluid Engineering	Accepted	Sent to author	
5163	Control of a Diffusion Flame by Polygonal Orifices and External Modulation	Theme: Fluid Engineering	Accepted	Sent to author	
5191	Effects of swirl on slug flow in vertical gas-liquid two phase flow	Theme: Fluid Engineering	Accepted	Sent to author	
5280	Design and Analysis of the Composite Hollow Glass Spheres Separator for Dual-Gradient Drilling in deep water	Theme: Fluid Engineering	Accepted	Sent to author	

5461	Direct Numerical Simulation on Turbulent Flow over a Truncated Pyramid with a Wavy Surface in an Open Channel	Theme: Fluid Engineering	Accepted	Sent to author	
5589	Research on Wind Field of Transmission Tower under the Complex Terrain	Theme: Fluid Engineering	Accepted	Sent to author	
4966	Effective foundation input motion for soil-steel pipe sheet pile (SPSP) foundation system	Theme: Geo-Technical Engineering	Accepted	Sent to author	
5302	Improved quantile regression analysis on small sample multicollinear time series measured data	Theme: Geo-Technical Engineering	Accepted	Sent to author	
5629	Research on rock burst mechanism at the bottom hole caused by fracture trap with high pressure in gas drilling	Theme: Geo-Technical Engineering	Accepted	Sent to author	
5634	Borehole enlargement mechanism of air drilling	Theme: Geo-Technical Engineering	Accepted	Sent to author	
4974	Inverse Identification of Damage Properties of Graphite Material Based on Experimental and Simulation Analysis	Theme: Materials Design & Simulation	Accepted	Sent to author	Sent to Author
4981	Modelling the Edge Crushing Performance of Corrugated Fibreboard under Different Moisture Content Levels	Theme: Materials Design & Simulation	Accepted	Sent to author	
4992	STUDY ON UNIAXIAL TENSION AND CYCLIC DEFORMATION BEHAVIOR OF TA16 AT ROOM TEMPERATURE AND HIGH TEMPERATURE	Theme: Materials Design & Simulation	Accepted	Sent to author	Sent to Author
5012	TMDC heterostructures	Theme: Materials Design & Simulation	Accepted	Sent to author	
5016	Radiation Response of Nanotwinned Cu and the Stability of Stacking Fault Tetrahedron under Shear	Theme: Materials Design & Simulation	Accepted	Sent to author	Sent to Japan
5088	Unique tension-compression asymmetry of nanoporous metallic glasses induced by surface effects	Theme: Materials Design & Simulation	Accepted	Sent to author	
5115	The finite element analysis of the stability to the borehole wall of the FSI under the underbalance drilling	Theme: Materials Design & Simulation	Accepted	Sent to author	

5130	The finite element analysis of the stability to the borehole wall of the FSI under the underbalance drilling	Theme: Materials Design & Simulation	Accepted	Sent to author	
5232	Study on Influence of Mechanical Parameters of Cement Plug on Sealing Integrity of Abandoned Wellbore	Theme: Materials Design & Simulation	Accepted	Sent to author	
5459	Density based Optimal Topology in Continua	Theme: Materials Design & Simulation	Accepted	Sent to author	
5559	Numerical and Experimental Investigation of Heterogeneous Transformation Behaviour in Shape Memory Alloys	Theme: Materials Design & Simulation	Accepted	Sent to author	
5561	Experimental and numerical studies of strain distribution in a small Sn structure with few crystal grains	Theme: Materials Design & Simulation	Accepted	Sent to author	
5670	Theoretical investigation into Reaction Mechanism of Methanol Dehydrogenation on PtPd-WC Alloyed Surface	Theme: Materials Design & Simulation	Accepted	Sent to author	
5900	Microscale Microscale features effect on mechanical properties of PTFE/Al based on force chain	Theme: Materials Design & Simulation	Accepted	Sent to author	
4569	Study on lung cancer mortality and haze correlations based on bivariate	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Author

4866	Supervised learning for finite element analysis of holes under tensile load	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
4938	Moving Least Squares (MLS) interpolation based Recovery Parametric Study in Finite Element Elastic Solution	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
4943	Modelling discontinuities by adaptive XIGA based on LR B-splines	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
4952	MODELLING OF PROGRESSIVE FAILURES IN QUASI-BRITTLE MEDIA VIA A TEMPORAL STRESS-REDISTRIBUTION MECHANISM	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Japan
4959	A Fine Simulation Analysis of Rock Fragmentation Mechanism of TBM Disc Cutter with DEM	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Author
5039	localized space-time meshless method for transient heat transfer in non-homogenous media	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Author
5040	Numerical Simulation of the temperature field around a pipeline in permafrost regions	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5058	Simulation and Experimental Study of Dual-membrane Module	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	

5068	A Novel Boundary-Type Meshless Method For Solving The Modified Helmholtz Equation	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5106	An Adaptive Time Marching Technique for Wave Propagation Analysis	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5165	An IFC4x1-based Information Modelling Approach for Steel-box Girder Bridges	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5174	Phase Field Model for Damage Modelling of Heterogeneous Materials at Meso-scale	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Japan
5196	Multiaxial stress based high cycle fatigue model for adhesive joint interfaces	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5224	Locating Multiple Hazardous Gas Leak Sources in the Atmosphere via PCA and Modified Genetic Algorithms	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5233	Development of Smart-technology for Forecasting Technical State of Equipment based on Modified Particle Swarm Algorithms and Immune-Network Modeling	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5243	Wave-based transfer matrix method for dynamic response of large net structures	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Author
5249	Multibody Modeling, Simulation of a Rocket-towed Net System	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	

5268	Method of Computer Simulation of Thermal Processes to Ensure of Laser Gyros Stable Operation	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5296	EIGENVALUE ANALYSIS OF THIN PLATE WITH COMPLICATED SHAPES BY A NOVEL INFINITE ELEMENT METHOD	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5297	Mechanical Analysis of Steel Coal Silo Considering Thermo-Mechanical Coupling Effect	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	Sent to Author
5347	Numerical Modeling of Bridge Piers Scouring Flow Patterns	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5396	A Reduced Order Model for the Fast Predictions of Reactivity and Neutron Distributions within Reactor Cores	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5398	Supervised learning for finite element analysis of holes under tensile load	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5456	Nonlinear wave inverse source problem solved by a method of m-order homogenization functions	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5462	Cross Domain Recommendations based on the application of Fuzzy AHP and Fuzzy Inference Method in establishing Transdisciplinary Collaborations	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5475	Genetically aerodynamic optimization of high-speed train based on the Artificial Neural Network method	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5494	Research on the Control Method of the Quad-Rotor Unmanned Aerial Vehicle Under the Load Mutation	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5498	Fast Reconstruction of Transient Heat-Flux Distributions in a Laser Heating Process with Time-Space Adaptive Mesh Refinement	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5514	The Parameters Back Analysis in Digital Slope Information Technology	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5540	The Numerical Simulation of Random Distributed Steel Fiber Concrete	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	

5607	Optimization of conversion scheme and parameters of injection & production after multiple thermal fluid stimulation in Offshore Nanpu35-2 heavy oilfield	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5628	Transfer Learning Approach in Automatic Tropical Wood Recognition System	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5640	Content Structure for driving Object Parameters in Contextual Model of Engineering Structure	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5662	Multiple Applications of a Rolling Simulation System in Steel Industry	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
5927	Disinfection Performance of Ultraviolet Germicidal Irradiation on Airborne Bacteria under Turbulent Duct Flow	Theme: Methods For Computer Modeling In Engineering & Sciences	Accepted	Sent to author	
4554	Damage Modeling of Heterogeneous Materials Using Multiscale Approach	Theme: Multi-Scale & Multi-Physics	Accepted	Sent to author	
4829	Hydro-mechanical Properties of Unsaturated Decomposed Granite in Triaxial Compression Test under Drained-vented/undrained-unvented Condition	Theme: Multi-Scale & Multi-Physics	Accepted	Sent to author	
5047	Numerical Mesoscopic Method for Simulating Mechanical Properties of Fiber Reinforced Concrete	Theme: Multi-Scale & Multi-Physics	Accepted	Sent to author	
5377	Numerical Mesoscopic Method for Simulating Mechanical Properties of Fiber Reinforced Concrete	Theme: Multi-Scale & Multi-Physics	Accepted	Sent to author	
5529	SIMULATION OF CONSTITUTIVE MODELING, DAMAGE AND FRACTURE	Theme: Multi-Scale & Multi-Physics	Accepted	Sent to author	
4857	Calculation of Offshore Platform Internal Force Based on the Secondary Development of ANSYS	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	Sent to Author
4869	RESEARCH ON ANNULAR PRESSURE BUILDUP IN DEEPWATER OIL AND GAS WELL	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	
5150	Stress-Strain-Based Approach to Catastrophic Failure of Steel Structures at Low Temperatures	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	

5200	OPTIMAL DRILLING PARAMETERS DESIGN BASED ON SINGLE DRILLING DEPTH INDICATOR IN CONTROLLED GRADIENT DRILLING	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	
5201	PREDICTION AND ANALYSIS OF ANNULAR PRESSURE GRADIENT IN ACTUAL WELLBORE	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	
5213	Calculation of Transient Fluctuation Pressure in Deep Water Dual Gradient Drilling	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	
5223	Calculation and Exploration for Fracture Pressure of Deep Water Shallow Formation	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	
5503	Ma Nan,ÄîMethane Hydrate Generation Model and Software Development Based on P Englezos Method	Theme: Offshore, Sub-Sea, Arctic Engineering	Accepted	Sent to author	
5206	Further Use of Spent Co-Based Adsorbent for Low-Temperature Hydrodesulfurization	Theme: Renewable Materials	Accepted	Sent to author	Sent to Author
4913	The Design and Analysis of Broadband Acoustic Absorptive Surface	Theme: Sound & Vibration	Accepted	Sent to author	
5352	Undetermined Blind Source Separation for Multi-fault Diagnosis of Planetary Gearbox	Theme: Sound & Vibration	Accepted	Sent to author	
5381	Predicting Structure Dynamic Acceleration Based on Measured Strain	Theme: Sound & Vibration	Accepted	Sent to author	
5439	FREE TRANSVERSE VIBRATION OF MINDLIN CIRCULAR OR ANNULAR PLATE WITH GENERAL BOUNDARY CONDITIONS	Theme: Sound & Vibration	Accepted	Sent to author	
5470	Experiment Investigation of Constrained Layer Damping Used for Vibration Suppression of Railway Wheel	Theme: Sound & Vibration	Accepted	Sent to author	
5479	Study on Sound Insulation Performance of Aluminum Honeycomb Based on Statistical Energy Method	Theme: Sound & Vibration	Accepted	Sent to author	
5903	THE Study on sound transmission loss of lightweight FGM sandwich plate	Theme: Sound & Vibration	Accepted	Sent to author	

4530	Study of Limit Load and Plastic Collapse Load Under Combined Loads	Theme: Structural Integrity & Longevity	Accepted	Sent to author	Sent to Author
5264	Study of Limit Load and Plastic Collapse Load Under Combined Loads	Theme: Structural Integrity & Longevity	Accepted	Sent to author	
5269	Cement Failure Caused by Thermal Stresses with Casing Eccentricity during CO2 Injection	Theme: Structural Integrity & Longevity	Accepted	Sent to author	Sent to Author
5321	Performance-Based Design Optimization of Steel Braced Frames Using an Efficient Discrete Algorithm	Theme: Structural Integrity & Longevity	Accepted	Sent to author	
5349	STUDY OF LIMIT LOAD AND PLASTIC COLLAPSE LOAD UNDER COMBINED LOADS	Theme: Structural Integrity & Longevity	Accepted	Sent to author	
5371	A Double Exponential Model for Curve Fitting in Fatigue Crack Growth	Theme: Structural Integrity & Longevity	Accepted	Sent to author	
262	A Hibernation Based Algorithm: An Optimization Inspired by Bear Hibernation	Other	Accepted	Sent to author	
4265	Treatment of Textile Dyes Wastewater using Electro-coagulation	Other	Accepted	Sent to author	
4741	Experimental Study on Mechanical Properties and Wellbore Stability Evaluation of Fractured Limestone Formation	Other	Accepted	Sent to author	
4905	Three-dimensional fracture mechanics: Bridge the gap from laboratory to engineering Structures	Other	Accepted	Sent to author	Sent to Author
5190	Dynamic Green's functions for multiple elliptical inclusions with imperfect interfaces using the collocation multipole method	Other	Accepted	Sent to author	
5238	Experimental Study on Instability of Igneous Rock Wall	Other	Accepted	Sent to author	

5285	experimental study on turbulent forced convection heat transfer characteristics of water-based nano-emulsion of n-Eicosane in a circular tube	Other	Accepted	Sent to author	
5340	Ascending Order Constraints Sensitivity Optimal Design Method for Steel Structure	Other	Accepted	Sent to author	
5343	Optimal Design for Toggle Brace Damper Systems Based on Virtual VD Modal	Other	Accepted	Sent to author	
5344	Viscous-Tuned Hybrid Structural Vibration Mitigation System: Wind-Induced Response Analyses Method and Case Study	Other	Accepted	Sent to author	
5345	Optimal Placement of Friction Dampers in High Rise Buildings under Seismic Excitation	Other	Accepted	Sent to author	
5356	SMA Confinement of HDPE Pipes: Enhancement of the Joint Fracture Resistance	Other	Accepted	Sent to author	
5391	Single Driven Constraint Optimal Structural Design of Tall Buildings Under Period Constraint	Other	Accepted	Sent to author	
5397	Wing Crack Propagation Simulation Using Scaled Boundary Finite Element Method	Other	Accepted	Sent to author	

5413	Study on the influence of acidification on the pore and seepage field of carbonate reservoir	Other	Accepted	Sent to author	
5457	High Performance Smoothed Particle Hydrodynamics	Other	Accepted	Sent to author	
5500	Mechanical analysis of a shape memory composite hinge with large deformation	Other	Accepted	Sent to author	
5739	Merging Behavior Simulation of Vehicular Platoon	Other	Accepted	Sent to author	
5838	Experimental Study on Dynamic Change of Mechanical Properties of Deep Brittle Shale in Southeastern Sichuan	Other	Accepted	Sent to author	