

ICMAT 2019 POSTER BOARD ALLOCATION - THURSDAY, 27 JUNE 2019

Board No.	Day	Abst ID	Session	Title
002	Thu	190279	Sym C-09 Poster Session	Band Structure of Perovskite Cubic Quantum Dot
003	Thu	190497	Sym C-09 Poster Session	GeSn/GaAs Heterostructure by Magnetron Sputtering
004	Thu	190514	Sym C-09 Poster Session	30-band k-p Model For Ge _{1-x} Sn _x Alloy
005	Thu	190722	Sym C-09 Poster Session	Asymmetric Split H-shape Resonator Array for Enhancement of Mid-wave Infrared Photodetection
006	Thu	190763	Sym C-09 Poster Session	Patch-Antenna Integrated with Mesa Cavities for Enhanced Mid-Infrared Photodetection
007	Thu	190764	Sym C-09 Poster Session	Dark Current Analysis of InAsSb-Based Hetero-p-i-n Mid-Infrared Photodiode
008	Thu	191149	Sym C-09 Poster Session	Effect of Additives and Current on Void-Free TSV Copper Filling
009	Thu	192026	Sym C-09 Poster Session	Development of PECVD Silicon Nitride Films with Tunable Refractive Indices
010	Thu	192040	Sym C-09 Poster Session	A High Efficiency and Large Viewing Angle LCD with a Quantum Dot Polarizer
011	Thu	192759	Sym C-09 Poster Session	Investigation of the Two-State Lasing from GaAs-Based InAs/InGaAs Quantum Dot Mode-Locked Laser
012	Thu	192782	Sym C-09 Poster Session	Study on the Quantum Dot Mode-locked Laser by Sidewall Spontaneous Emission and Facet Amplified Spontaneous Emission
013	Thu	193168	Sym C-09 Poster Session	High Efficiency III-Nitride Based Emitter with Porous Structure through Photoelectrochemical Wet Etching Process
014	Thu	193169	Sym C-09 Poster Session	Wide Bandgap Transparent Conducting Electrode of β -Ga ₂ O ₃ Based Oxide/Metal/Oxide(OMO) Structure for Ultraviolet Light-Emitting Diodes
015	Thu	193172	Sym C-09 Poster Session	III-Nitride Emitter with Self-Standing ZnO Nanotube/SiO ₂ Core-Shell Arrays by Chemical Bath Deposition for High Photon Extraction Efficiency
016	Thu	193177	Sym C-09 Poster Session	Flexible Transparent Conducting Electrode Fabricated with ZnO and Ag Nanowires
017	Thu	193178	Sym C-09 Poster Session	High Efficiency Ultraviolet Emitters with Al Electrode Applied ITO Nano-Grains and Micro-Hole Patterns
018	Thu	193179	Sym C-09 Poster Session	A Study on ZnO-Based p-Type Conductivity Fabricated by RF Sputtering and Annealing
019	Thu	193393	Sym C-09 Poster Session	The Role of Height in the Significant Improvement of Plasmonic Sensing
020	Thu	190145	Sym C-09 Poster Session	Direct Growth of Direct Bandgap Ge _{1-x} Sn _x Alloys by Modified Magnetron Sputtering
021	Thu	200125	Sym C-09 Poster Session	Enhanced Visible Light performance of ZnO/Zn _{1-x} Cd _x S Porous Nanosheets photoanodes through Cation-Exchange Reaction of Inorganic-Organic Hybrid ZnO/ZnS (HDA)0.5 with Cadmium Ions
022	Thu	190321	Sym D-09 Poster Session	Resonant Amplification via Weak Localized States within a Vibrating 1D Photonic Amorphous
023	Thu	190856	Sym D-09 Poster Session	Resonance Modes of Tall Plasmonic Nanostructures and Their Applications for Biosensing
024	Thu	190955	Sym D-09 Poster Session	High Q and Low Threshold WGM Lasing in the Visible Spectral Range from Sm:ZnO Micro-Spherical Cavities
025	Thu	191021	Sym D-09 Poster Session	Broadband Forward Scattering by a Silicon Nanocube in Lossless Medium
026	Thu	191285	Sym D-09 Poster Session	Low-Aspect-Ratio Dielectric Meta-Holograms in Visible Light
027	Thu	191332	Sym D-09 Poster Session	Theoretical Demonstration of Coupling between QD and Metal Nanoparticles
028	Thu	191366	Sym D-09 Poster Session	Enhanced Broadband Spin Hall Effects by Core-Shell Nanoparticles
029	Thu	191367	Sym D-09 Poster Session	A Reconfigurable Nanostructure with Graphene: Camouflaging Sensor and Nanoantenna
030	Thu	191369	Sym D-09 Poster Session	Coherent Perfect Absorption in Nonlocal Particle Composite Medium
031	Thu	191386	Sym D-09 Poster Session	Simulation Study of Defect Effect on Metalens Performance
032	Thu	191417	Sym D-09 Poster Session	Lasing Action in Single Subwavelength Particles Supporting Supercavity Modes
033	Thu	191484	Sym D-09 Poster Session	Roughness Enhanced Outcoupling of Plasmon Modes in Metal-Insulator-Metal Tunnel Junctions
034	Thu	191557	Sym D-09 Poster Session	High Efficiency Tunable Phase-Change Metasurfaces with In-Situ Switching Capabilities
035	Thu	191622	Sym D-09 Poster Session	Third-Harmonic Microscopy of Mie-Resonant Dielectric Oligomers
036	Thu	191657	Sym D-09 Poster Session	Extraordinary Optical Transmission Properties of Double-symmetric Regular Triangular Hole Arrays
037	Thu	191707	Sym D-09 Poster Session	Bismuth Based Metamaterials: From Narrowband Reflective Color Filtering to Extremely Broadband Perfect Absorption for Photo Conversion Applications
038	Thu	191782	Sym D-09 Poster Session	Resonant States Description of Spontaneous Emission in Optically Resonant Nanostructures
039	Thu	191811	Sym D-09 Poster Session	Reflective Spatial Light Modulators with Sub-Wavelength-Resolution based on Active Metasurfaces
040	Thu	191842	Sym D-09 Poster Session	Hybrid Metal-Dielectric Nanoantennas for Out-of-Plane Fluorescence Enhancement
041	Thu	191942	Sym D-09 Poster Session	Optical Modulation in Chains of Silicon Nanoantennas
042	Thu	192083	Sym D-09 Poster Session	Modification of Incoherent Scattering from the Metafilm under the Influence of System Eigenmodes
043	Thu	192086	Sym D-09 Poster Session	Tunable Dielectric Metasurfaces Embedded in Liquid Crystals for High-Efficiency Transmissive Beam Steering Applications at Visible Wavelengths
044	Thu	192155	Sym D-09 Poster Session	Resonant Dielectric Nanoantennas Coupled with External Emitters
045	Thu	192162	Sym D-09 Poster Session	Revealing Structural Color Prints via Moiré Magnification
046	Thu	192202	Sym D-09 Poster Session	Hyperbolic-Like and Elliptic Guided Modes in All-Dielectric Metasurface
047	Thu	192203	Sym D-09 Poster Session	New Methods for Fabrication, Trapping and Printing Spherical Silicon Nanoparticles in Monodisperse Solutions
048	Thu	192281	Sym D-09 Poster Session	All-Dielectric Metasurface Supporting Broadband Polarization Eigenmodes Degeneracy

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049	Thu	192311	Sym D-09 Poster Session	High-Refractive Index Dielectric Nanoantennas for Out-of-Plane Luminescence Enhancement
050	Thu	192395	Sym D-09 Poster Session	Directional Light Emission of Quantum Dots Coupled to Si Mie Resonators
051	Thu	192402	Sym D-09 Poster Session	Resonant Properties of Tunable Halide Perovskite Nanoparticles
052	Thu	192497	Sym D-09 Poster Session	All-Dielectric Nanophotonics with 2D Transition Metal Dichalcogenides
053	Thu	192520	Sym D-09 Poster Session	All-Optical Nanoscale Heating and Thermometry with Resonant Dielectric Nanoparticles for Advanced Bio-Applications
054	Thu	192585	Sym D-09 Poster Session	Nonlocal Excitonic Effects in Halide Perovskite Nanoparticles
055	Thu	192587	Sym D-09 Poster Session	Optimizing the Gain in Semiconductor Nanostructures for All-Dielectric Active Metamaterial Applications
056	Thu	192652	Sym D-09 Poster Session	Magnetophotonics of Nanostructured Materials
057	Thu	192842	Sym D-09 Poster Session	Tunable Metasurfaces for Laser Applications
058	Thu	193072	Sym D-09 Poster Session	Retroreflection and Symmetric Dipole Modes Induced in Homogeneous Dielectric Rods
059	Thu	200050	Sym D-09 Poster Session	Exploring Applications of Au-Based Thin Film Metallic Glasses for Plasmonic Sensors
060	Thu	200080	Sym D-09 Poster Session	Silver Amalgam Nanoparticles And Microparticles: A Novel Plasmonic Platform For Spectroelectrochemistry
061	Thu	191949	Sym D-09 Poster Session	Nonlinear Metasurfaces Driven by Bound States in the Continuum
062	Thu	191955	Sym D-09 Poster Session	Boosting Second-Harmonic Generation at the Nanoscale with Bound States in the Continuum
063	Thu	190639	Sym D-09 Poster Session	Dynamically Tunable Hybrid Silicon/Phase Change Optical Metasurfaces
064	Thu	191204	Sym D-09 Poster Session	Enhancing Photocatalytic Efficiency of Substoichiometric TiOx at Visible Wavelengths using Nano-Resonators with Anapole Modes
065	Thu	191239	Sym D-09 Poster Session	Optimizing the Coupling between Quantum Emitters and Plasmonic Nanoantennas using DNA
066	Thu	191343	Sym D-09 Poster Session	Shaping LED Emission with Dielectric Metasurfaces
067	Thu	191356	Sym D-09 Poster Session	Enhanced Spin Hall Effects of Light by Nanoparticles
068	Thu	191690	Sym D-09 Poster Session	Ultrafast All-optical Tuning of GaAs Nanoantennas and Metasurfaces
069	Thu	191883	Sym D-09 Poster Session	Topologically Nontrivial Waveguiding Resolved by Near-field Microscopy in Telecom Range
070	Thu	192510	Sym D-09 Poster Session	Metal-Dielectric Nanophotonics: When Plasmonics Meets Dielectrics
071	Thu	192814	Sym D-09 Poster Session	Plasmonic Gold Nanoapertures for Optical Detection and Nanotweezing of Individual Proteins
072	Thu	190019	Sym F-09 Poster Session	Superparamagnetic Behavior of NiO Nanoparticles
073	Thu	190211	Sym F-09 Poster Session	Sol-gel Synthesis, Crystal Structure, Electronic and Magnetic Properties in Ce ₃ Ca ₂ Cu ₄ FeO _{12-δ} Oxide
074	Thu	190371	Sym F-09 Poster Session	Structural, Calorimetric, Thermomagnetic and Magnetocaloric Properties of Mechanically Alloyed (FexNi _{1-x}) _{70.5} B _{17.7} Si _{7.8} Ti ₄ (x=0.5,0.6,0.7)
075	Thu	190422	Sym F-09 Poster Session	Experimental and Theoretical Investigation of Half Metallic Co _{2-x} FexCrAl (x = 0.25, 0.50 and 0.75) Heusler Alloys
076	Thu	190586	Sym F-09 Poster Session	Planar Hall Effect and Weak Antilocalization Effect in Single Crystal ErPtBi
077	Thu	190588	Sym F-09 Poster Session	Spontaneous Electronic Nematic Phase in Frustrated Kagome Magnet Fe ₃ Sn ₂
078	Thu	190618	Sym F-09 Poster Session	Local Electron Beam Irradiation Activated Chirality Reversals of Skyrmion Bubbles
079	Thu	190816	Sym F-09 Poster Session	Skyrmions in Magnetic Tunnel Junctions
080	Thu	191083	Sym F-09 Poster Session	Crystallographic Dependence of Spin Transport in Single Crystal Semiconductor Nanostructure
081	Thu	191182	Sym F-09 Poster Session	Exchange Bias in Fe/Ir ₂₀ Mn ₈₀ Bilayers: Role of Spin-Glass Like Interface and 'Bulk' Antiferromagnet Spins
082	Thu	191201	Sym F-09 Poster Session	Half-metal State of Ti ₂ C Monolayer by Asymmetric Surface Decoration
083	Thu	191319	Sym F-09 Poster Session	Theoretical Scheme and Realization of the New Stable Spin Gapless Semiconductor Protected by the Crystal Field
084	Thu	191348	Sym F-09 Poster Session	Co-doping Effects on the Structural, Magnetic and Electrical Transport Properties of Nanocrystalline La _{0.7} Te _{0.3} Mn _{1-x} CoxO ₃ (x=0.1 and 0.2)
085	Thu	191380	Sym F-09 Poster Session	Magnetic and Structural Properties of Nanostructured Fe ₃ B Prepared by Inert Gas Condensation Method
086	Thu	191467	Sym F-09 Poster Session	FORC Investigation of Exchange Biased Co/Pt/IrMn Multilayers
087	Thu	191838	Sym F-09 Poster Session	Strong Coupling Between Magnons in Magnetic Nanodots
088	Thu	192160	Sym F-09 Poster Session	Crystal Structure, Magnetic and Optical Properties in CdCu ₂ O ₃ Complex Oxide Synthesized by Sol-Gel Method
089	Thu	192217	Sym F-09 Poster Session	Magnetic Force Microscopic Study of Graphene Nanoribbons Based Magnetic Composites
090	Thu	192332	Sym F-09 Poster Session	A Systematic Study on Magnetic and Optical Properties of Y ₃ Fe ₅ O ₁₂
091	Thu	192644	Sym F-09 Poster Session	Structural and Magnetic Properties of [110] Oriented Co ₅ Zr Hard Magnetic Thin Films
092	Thu	192700	Sym F-09 Poster Session	Field-Free Spin-Orbit Torque Switching from Geometrical Domain Wall Pinning
093	Thu	192783	Sym F-09 Poster Session	Enhancement of Superconducting Properties in MxNbSe ₂ (Fe and Cr) Single Crystal under Hydrostatic Pressure
094	Thu	192813	Sym F-09 Poster Session	Synthesis, Structural and Magnetic Properties of Single Layer Ruddlesden-Popper Oxides RSrFe _{0.5} Co _{0.5} O ₄ (R = Nd and Eu)

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095	Thu	192823	Sym F-09 Poster Session	Structure and Magnetic Properties of Cobalt Ferrite Thin Films: Effect of Oxygen Atmosphere During Deposition by Pulsed Laser Ablation
096	Thu	192827	Sym F-09 Poster Session	EMI Shielding Effectiveness of Multilayer Thin Film in High Frequency
097	Thu	193213	Sym F-09 Poster Session	Enhanced Magnetodielectric Coupling Effect in Ex-Situ Combustion Derived BaTiO ₃ -Ferrite Composite
098	Thu	193219	Sym F-09 Poster Session	Tailoring Ferromagnetism and Spin-Orbit Coupling in Iridate-Manganite Superlattice
099	Thu	192962	Sym F-09 Poster Session	Electric-Field Driven Exchange Bias Modulation in Perovskite Manganite Bilayers
100	Thu	190309	Sym F-09 Poster Session	Investigation of Thermomagnetic Convective Flows for Enhanced Magnetofluidic Cooling
101	Thu	190511	Sym F-09 Poster Session	Ferrofluid Based Heat Transfer in a Kilowatt Level Thermomagnetic Cooling Device
102	Thu	191235	Sym F-09 Poster Session	Molten Salt Synthesis of Nanocrystalline BaFe ₁₂ O ₁₉ Using Hexamine as a Fuel
103	Thu	191508	Sym F-09 Poster Session	Unconventional Spin Hall Effect in Two-Dimensional Crystal
104	Thu	191727	Sym F-09 Poster Session	Tunable Spin States In The Two-Dimensional Magnet CrI ₃
105	Thu	191855	Sym F-09 Poster Session	High-Internal Phase Pickering Emulsion Templated Porous Scaffolds for Tissue Engineering Applications
106	Thu	192011	Sym F-09 Poster Session	Investigation of Magnetic and Electrical Properties of Multiferroic Gadolinium Ferrite Nanoparticles
107	Thu	192082	Sym F-09 Poster Session	Investigation of Spin Transport Properties in IrMn/Py Heterostructures
108	Thu	192276	Sym F-09 Poster Session	Evolution of Structure, Magnetism and Critical Behavior of Oxygen Deficient Nanocrystalline BaCo _{1-x} Mn _x O _{3-δ} (0.0 ≤ x ≤ 0.3)
109	Thu	192318	Sym F-09 Poster Session	Remote Control of Resistive Switching in TiO ₂ Based Resistive Random Access Memory Device
110	Thu	192426	Sym F-09 Poster Session	Probing Magnetic Interactions Using Spin Current Generation in Antiferromagnetic Oxide/Metallic Oxide Bilayers
111	Thu	192454	Sym F-09 Poster Session	Temperature Dependent Study of Magneto-Transport Phenomenon in and Co ₂ -xMn _{1+x} Al Full Heusler Thin Films
112	Thu	192642	Sym F-09 Poster Session	Weak Antilocalization and Surface Quantum Oscillations in Topologically Nontrivial Half Heusler ErPdBi(110) thin films
113	Thu	192680	Sym F-09 Poster Session	Quantum Anomalous Hall Effect and Anderson Chern Insulating Regime in Noncollinear Antiferromagnetic 3Q State
114	Thu	192688	Sym F-09 Poster Session	Synaptic Element for Neuromorphic Computing Using Magnetic Domain Wall Device with Synthetic Pinning Sites
115	Thu	192741	Sym F-09 Poster Session	Magnetolectric Control of Magnetic Coercivity in Polyvinylidene Fluoride (PVDF) Nickel Ferrite Multiferroic Nanocomposite Films
116	Thu	192745	Sym F-09 Poster Session	Synthetic Antiferromagnetic Nanoparticles for Hyperthermia Applications
117	Thu	192878	Sym F-09 Poster Session	Unusual Multiferroic Property in HoCr _{0.5} Mn _{0.5} O ₃
118	Thu	192892	Sym F-09 Poster Session	Effect of Composition on Structure, Microstructure and Magnetic Properties of Ferromagnetic Mn _{1-x} Bix (0.3 ≤ x ≤ 0.7) Alloys
119	Thu	193081	Sym F-09 Poster Session	Magneto-Optic and Synchrotron XRD Studies on Electrodeposited FeCo Alloy Films
120	Thu	193427	Sym F-09 Poster Session	Effect of Si Substitution on the Martensitic transition, Magnetic and Magnetocaloric Properties in Ni-Mn-In melt-spun ribbons
121	Thu	190841	Sym G-09 Poster Session	Dimerization Induced Nonvolatile Memory Effect in Self-Assembled Monolayers Based Molecular Junctions
122	Thu	190960	Sym G-09 Poster Session	Substrate-Dependent Ultrafast Charge Transfer Dynamics in Self-Assembled Monolayers with Intramolecular Orbital Coupling – A Combined Spectroscopic and Computational Study
123	Thu	190990	Sym G-09 Poster Session	Analytical Study of Novel Tetrapodal Self-Assembled Monolayers on Gold
124	Thu	191415	Sym G-09 Poster Session	Ab-initio Quantum Transport Through Atomic and Molecular Junctions
125	Thu	191763	Sym G-09 Poster Session	Reversible Conductance Switching in E ₂ -L ₁ fn based Biomolecular Tunnel Junctions
126	Thu	191991	Sym G-09 Poster Session	Doping Hepta-Alanine with Tryptophan: A Theoretical Study of its Effect on the Electrical Conductance of Peptide-Based Single-Molecule Junctions
127	Thu	192025	Sym G-09 Poster Session	Charge Transport Through Conjugated Ferrocene-Based Molecular Wires
128	Thu	192054	Sym G-09 Poster Session	Rectification Achieved by Second-Order Stark Effect in Polycyclic-Aromatic-Hydrocarbon-Terminated n-Alkanethiolates
129	Thu	192065	Sym G-09 Poster Session	Thermoelectric Characterization of Large-Area Junctions Formed with n-Alkanethiolate Self-Assembled Monolayers
130	Thu	193028	Sym G-09 Poster Session	Rh ₂ -Based Molecular Diodes Adopting the Multi-Site Rectification Mechanism
131	Thu	193068	Sym G-09 Poster Session	Enhanced Charge Transport via d(δ)-p(π) Conjugation in Mo ₂ -Integrated Single-Molecular Junctions
132	Thu	193170	Sym G-09 Poster Session	Dithiocarbamate as A Weak-Coupling, High Stability Binding Group for Molecular Electronics
133	Thu	193176	Sym G-09 Poster Session	Triazatriangulene Binding Group for SAMs in Molecular Electronics
134	Thu	200038	Sym G-09 Poster Session	Hybrid Metallic-Dielectric Nano-architectures for Ultra-Efficient Nano-Optics
135	Thu	190480	Sym H-09 Poster Session	Ligand and Solvent Effects on Hole Transport in Colloidal Quantum Dot Assemblies for Electronic Devices
136	Thu	190534	Sym H-09 Poster Session	Monolayers of n-Alkanethiols on Oxide-Free Silicon (100) Surface

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Board No.	Day	Abst ID	Session	Title
137	Thu	190715	Sym H-09 Poster Session	Wafer-Scale Fabrication of High-Performance n-Type Polymer Monolayer Transistors Using Multi-Level Self-Assembly Strategy
138	Thu	190908	Sym H-09 Poster Session	Key Parameters Requirements for Non-Fullerene Based Organic Solar Cells with Power Conversion Efficiency >20%
139	Thu	190915	Sym H-09 Poster Session	Non-Geminate Recombination Limits Fill Factor in Polymer: ITIC Bulk Heterojunction Solar Cells
140	Thu	190971	Sym H-09 Poster Session	Dynamic Colour Tuning of Organic Light Emitting Diodes
141	Thu	191063	Sym H-09 Poster Session	Charge Transport and Paracrystallinity in Conducting Polymers
142	Thu	191117	Sym H-09 Poster Session	Organic Electrochemical Transistors and Integrated Logic Circuits based on Gelatin Hydrogels
143	Thu	191254	Sym H-09 Poster Session	The Influence of Polymeric Matrix on Fluorescent Emission of Low Molecular Weight Compounds for OLEDs
144	Thu	191329	Sym H-09 Poster Session	Alkyl-Chain Length Dependent Optical and Electronic Properties of Donor-Acceptor Copolymers
145	Thu	191402	Sym H-09 Poster Session	An Unconventional 4-Bit Asynchronous Molecular Counter
146	Thu	191433	Sym H-09 Poster Session	Enhanced Thermoelectric Performance via Interfacial Control and Carrier Tuning of Carbon Nanotube/Polyaniline Composites
147	Thu	191477	Sym H-09 Poster Session	Influence of Hydrophilic Base Viscosity and Annealing Temperature on the Crystallinity of PCPDTBT Copolymer Thin Films Prepared via FTM for Optoelectronic Applications
148	Thu	191058	Sym H-09 Poster Session	High Dielectric Constant Materials for Homojunction Organic Photovoltaics
149	Thu	191848	Sym H-09 Poster Session	Synthesis and Characterization of Deep Green Fluorescent [Zn(Ln)2]NO3 Complexes for OLEDs Applications
150	Thu	191888	Sym H-09 Poster Session	Crosslinked Polymer Donor Network Solar Cells with Non-Fullerene Acceptors
151	Thu	191969	Sym H-09 Poster Session	Improve Injection Using Self-Aligned Polyelectrolyte Counterion Monolayer on Lower Cost Ag and Cu Electrodes in OFETs
152	Thu	192070	Sym H-09 Poster Session	Universal Latent Electron Donors from Anions with Negative Gas-Phase Electron Affinities
153	Thu	192158	Sym H-09 Poster Session	General Photocrosslinking of Doped Conjugated Polyelectrolytes via Ionic bis(fluorophenyl azide)
154	Thu	192261	Sym H-09 Poster Session	Designing New Materials for Organic Electronics through Simulations
155	Thu	192352	Sym H-09 Poster Session	Effect of Chain Length on Self-Compensated p-Doped Polymers
156	Thu	192562	Sym H-09 Poster Session	Enhanced Performances of Inverted Polymer Solar Cells Using New Small-Molecule Electrolyte Doped ZnO as the Electron Transport Layer
157	Thu	192616	Sym H-09 Poster Session	An Organo-Fluorine Compound Mixed Electrolyte for Ultrafast Electric Double Layer Supercapacitors
158	Thu	192678	Sym H-09 Poster Session	Ternary Emission of Single Molecule White Light Emitter Based on Fluorescence and Dual-Phosphorescence at Room Temperature
159	Thu	192687	Sym H-09 Poster Session	An Efficient Room-Temperature Phosphorescence Emitter Based on Pure Organic Sulfur-Containing Heterocycle: Folding-Induced Spin-Orbit Coupling Enhancement
160	Thu	192692	Sym H-09 Poster Session	Highly Efficient Organic Light-Emitting Diodes with High Exciton Utilization Based on Aggregation-Induced Emission Materials
161	Thu	192766	Sym H-09 Poster Session	12.6% Efficient Organic Solar Cells Enabled by Liquid Exfoliated Monolayer WS2 as the Hole Transport Layer
162	Thu	192998	Sym H-09 Poster Session	The Moisture Barrier Film Using Thermal Epoxy Resin and Atomic Layer Deposition
163	Thu	193138	Sym H-09 Poster Session	Photosynaptic Device Fabricated on IGZO-Alkylated Graphene Oxide Heterostructure
164	Thu	193201	Sym H-09 Poster Session	Self-Powered Organic Electrochemical Transistors Using High Efficiency Perovskite Solar Cells for Wearable Electronic Applications
165	Thu	193206	Sym H-09 Poster Session	Negative Differential Resistance (NDR) Device Based on HfS2-Pentacene Hybrid Structure
166	Thu	200079	Sym H-09 Poster Session	Anthracene Derivatives Toward High Mobility Emissive Semiconductors
167	Thu	200076	Sym H-09 Poster Session	High-Performance Non-Fullerene Polymer Solar Cells Based on Naphthobistriazole Wide Bandgap Donor Copolymers
168	Thu	200078	Sym H-09 Poster Session	One-step Synthesis of Graphene-like transparent conductive films on dielectric substrate without metal Catalyst: Prospects in Organic Circuit and Lithium Metal Batteries
169	Thu	193244	Sym H-09 Poster Session	Water/Alcohol Soluble Conjugated Polymers for Organic Photovoltaics and Photocatalysis
170	Thu	190501	Sym M-09 Poster Session	Numerical Study of the Mechanical Behaviors of Airway Wall with Abnormal Airway Smooth Muscle
171	Thu	191981	Sym M-09 Poster Session	Enhancement of Cancer Cell Invasiveness on Functionalized Polymer Thin Film
172	Thu	192195	Sym M-09 Poster Session	Strategic Approach for In Vitro Breast Cancer Model
173	Thu	192271	Sym M-09 Poster Session	Initiation and Propagation of Unjamming in Cellular Collectives
174	Thu	192699	Sym M-09 Poster Session	A Biomimetic Circular 3D Stenosis Model for Whole Blood Perfusion and Drug Testing Applications
175	Thu	192734	Sym M-09 Poster Session	Multiplexed Biophysical Bacteria Fractionation for Studying Virulence and Antibiotic Susceptibility Towards Clinical Diagnostics
176	Thu	192905	Sym M-09 Poster Session	A Microfluidic Model of Microaneurysms in Diabetic Retinopathy
177	Thu	200116	Sym M-09 Poster Session	A Versatile Single-Cell Characterization Platform for Cellular Mechanical Properties
178	Thu	190203	Sym P-09 Poster Session	Spray Deposited Kesterite Thin Films Under Electric Field for Use as an Absorber Layer in Solar Cells

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Board No.	Day	Abst ID	Session	Title
179	Thu	190249	Sym P-09 Poster Session	Synthesis of ZnO/In ₂ O ₃ /CuO Core-shell Nanowires for Solar Hydrogen Generation
180	Thu	190450	Sym P-09 Poster Session	Highly Stable Bulk GaN Photoanode Grown by Hydride Vapor-Phase Epitaxy for Photoelectrochemical Water Splitting
181	Thu	190550	Sym P-09 Poster Session	Thickness Effect on Optical Properties of Ultrathin Tungsten Film in Thermal Stable Selective Solar Absorber Application
182	Thu	190571	Sym P-09 Poster Session	Adaptive Solar Modulation from Active Plasmonics in Kirigami Configurations toward High-Performance Smart Windows
183	Thu	190577	Sym P-09 Poster Session	Zn ₃ P ₂ Growth on Graphene via Van Der Waals Epitaxy for Photovoltaic Applications
184	Thu	190583	Sym P-09 Poster Session	All-Printed Solid-State Flexible Supercapacitors with Versatile Shapes and Superior Flexibility for Wearable Energy Storage
185	Thu	190640	Sym P-09 Poster Session	Mn-substituted CZTS _{Se} Solar Cells: Comparison Between Sulfur and Sulfoselenide Thin Film
186	Thu	190691	Sym P-09 Poster Session	The Effect of Substrate Heating During Printing for Solution Based Zinc Tin Oxide Devices
187	Thu	190728	Sym P-09 Poster Session	Influence of Air-Annealing on CdS/Cu(In,Ga)Se ₂ Heterostructure Surface Chemical Composition and Solar Cell Properties
188	Thu	190878	Sym P-09 Poster Session	Effect of Starting Surface in Electroplating of Molybdenum Oxide
189	Thu	191004	Sym P-09 Poster Session	The Effect of Ag Alloying of Cu ₂ (Zn,Cd)SnS ₄ Monograin Powders on the Solar Cell Properties
190	Thu	191066	Sym P-09 Poster Session	Capacitance Transient Characteristics of Oxide Semiconductor Channel Materials
191	Thu	191074	Sym P-09 Poster Session	Enhancing Photoelectrochemical Performance of CZTS Photocathode Through Ag Doping
192	Thu	191143	Sym P-09 Poster Session	Nanostructure Control of Antimony Selenide Thin Films by Co-evaporation and Its Application for Photovoltaics
193	Thu	191342	Sym P-09 Poster Session	Solar Hydrogen Production with Modified Hematite Nanostructures
194	Thu	191358	Sym P-09 Poster Session	Synthesis and Enhanced Photocatalytic Activity of MWCNT and DWCNT@BiVO ₄ Towards Degradation of Cationic Methylene Blue (MB) Dye
195	Thu	191419	Sym P-09 Poster Session	Inorganic Hole Transport Material Based Semi-transparent Perovskite Solar Cell
196	Thu	191424	Sym P-09 Poster Session	An Ultra-low Leakage Vacuum-Gap Selector Enabling Low Power Neuromorphic Computing
197	Thu	191475	Sym P-09 Poster Session	Thermal Properties of Phosphor-in-Glass (PiG) Prepared by a Microwave Irradiation and Applicability
198	Thu	191573	Sym P-09 Poster Session	Nano-scale Sulfurization of Cu ₂ ZnSnSe ₄ Crystal Surface for Photovoltaic Applications
199	Thu	191621	Sym P-09 Poster Session	Double-Layered Solution-Processed CZTS Absorber by Incorporating Potassium and Silver
200	Thu	191853	Sym P-09 Poster Session	Effect of Polymeric Coating and Optical Down Conversion Material on Micropatterned Semitransparent Perovskite Solar cells
202	Thu	191877	Sym P-09 Poster Session	Interface Engineering in CZTS Thin Film Solar Cell: Energy Level Alignment and Nanoscale Probing at Absorber-Buffer Interface
203	Thu	192002	Sym P-09 Poster Session	Efficient Sb ₂ S ₃ Solar Cells by Controlling ETL Structures
204	Thu	192091	Sym P-09 Poster Session	Low-Temperature Solution-Processed SnO ₂ for High Efficiency Sb ₂ S ₃ Planar Solar Cell
205	Thu	192176	Sym P-09 Poster Session	Characterization of In-Sn-Si-O and In-Zn-Si-O Films Deposited by Magnetron Co-Sputtering System at Room Temperature.
206	Thu	192182	Sym P-09 Poster Session	Superstrate-Type Solar Cells using Kesterites Semiconductor
207	Thu	192189	Sym P-09 Poster Session	In-Sn-Si-O Amorphous Oxide Electron Transport Layer for Perovskite Solar Cell
208	Thu	192190	Sym P-09 Poster Session	Fabrication of High-Aspect-Ratio Cu ₂ O Wire Structures on Surface Through Sol-Gel Process
209	Thu	192191	Sym P-09 Poster Session	Experimental and Simulation Studies on the Temporal Evolution of Metal-Assisted Chemically Etched Ge Surface: Tunable Light Trapping Properties
210	Thu	192204	Sym P-09 Poster Session	Synthesis and Structural Characterization of Wurtzite CuIn _x Ga _{1-x} S ₂ Nanoparticles
211	Thu	192212	Sym P-09 Poster Session	Heterojunction Heat Treatment to Improve Open-Circuit Voltage of Co-electrodeposited chalcogenide Cu ₂ ZnSn(S,Se) ₄ Solar Cell
212	Thu	192215	Sym P-09 Poster Session	Waveguide Coupled Surface Plasmon Resonance Based Electro-Optic Modulator
213	Thu	192252	Sym P-09 Poster Session	Study of Material and Electronic Properties of MOCVD Grown Thin Film GaAs(100) on Ge(100) on Si(100) Substrates
214	Thu	192272	Sym P-09 Poster Session	Influence of Deposition Parameters on Optical Properties of Strontium Barium Niobate (SBN) Thin Films
215	Thu	192301	Sym P-09 Poster Session	Double Layer Anti-reflective Coating on Alkaline Textured Diamond Wire Sawn Multicrystalline Wafers for Superior Light Trapping and Enhanced Surface Passivation
216	Thu	192335	Sym P-09 Poster Session	Revisiting the Net Dopant Concentration in Polycrystalline Cu(In,Ga)Se ₂ Thin-Film Absorber Layers
217	Thu	192388	Sym P-09 Poster Session	Properties of Antimony and Fluorine Doped Tin Oxide Thin Films using Spray Pyrolysis Method
218	Thu	192455	Sym P-09 Poster Session	Band Edge Engineered Metal Oxide Heterostructure Photoanode for Solar Fuel Production
219	Thu	192481	Sym P-09 Poster Session	Development of Solution Processed Semi-Transparent CZTS Photovoltaics
220	Thu	192725	Sym P-09 Poster Session	Efficient Photoelectrochemical Water Splitting of Dip Coated Bismuth Vanadate Thin Films
221	Thu	192747	Sym P-09 Poster Session	Pulsed Laser Crystallization of Amorphous Germanium Thin Films over Silicon Substrate

ICMAT 2019 POSTER BOARD ALLOCATION - THURSDAY, 27 JUNE 2019

Board No.	Day	Abst ID	Session	Title
222	Thu	192765	Sym P-09 Poster Session	A Combined Experimental and Density Functional Theory Study of Carbon incorporated Cu ₂ ZnSnS ₄ (CZTS)
223	Thu	192837	Sym P-09 Poster Session	Revealing the Influence of Post-Annealing Temperature and Oxygen Partial Pressure to the Intrinsic Defects in CuBi ₂ O-4 Photocathodes
224	Thu	192850	Sym P-09 Poster Session	Optimisation of Solution Processed Zinc-Tin-Oxide as Buffer Layer of CZTS Thin Film Solar Cells
225	Thu	192889	Sym P-09 Poster Session	Layer-By-Layer Dip Coating of Cobalt-Based Ink on Carbon Cloth for Large-Scale Fabrication of Co ₃ O ₄ based Electrocatalyst for OER
226	Thu	192924	Sym P-09 Poster Session	Electrophilic Fluorination of α-Fe ₂ O ₃ Nanostructures for Enhanced Magnetic and Photoelectrochemical Properties
227	Thu	193131	Sym P-09 Poster Session	Efficiency Enhancement by Modified Annealing Process for Electrodeposited Cu ₂ ZnSn(S _x Se _{1-x}) ₄ Thin-Film Solar Cells
228	Thu	193185	Sym P-09 Poster Session	Strain-Assisted Tuning Spin State of Ru ⁴⁺ Ion and Jahn-Teller Distortion in Cubic SrRuO ₃ System: A First-Principle Study
229	Thu	193187	Sym P-09 Poster Session	Comparison on Electronic and Magnetic Properties of ZnO System by Mg and Fe Doping
230	Thu	193188	Sym P-09 Poster Session	The Effect of Different Space Groups on Jahn-Teller Distortion and Spin State of Mn ³⁺ Ion in LaMnO ₃ System
231	Thu	193191	Sym P-09 Poster Session	Structural, Electronic, and Optical Properties of Layered Oxypnictides (LaO)ZnPn (Pn = P, As, Sb): A First-Principle Study
232	Thu	193216	Sym P-09 Poster Session	The Influence of Sodium Diffusion and Back Contact Passivation on the SnS/CdS Thin-film Solar Cells
233	Thu	193220	Sym P-09 Poster Session	The Influence of ALD-ZnSnO Buffer Layer Deposition Conditions on the Characteristics of Cu ₂ ZnSn(S,Se) ₄ Thin Film Solar Cells
234	Thu	193264	Sym P-09 Poster Session	The Influence of n-Type CBD-CdS Buffer Layer Thickness on SnS Thin Film Solar Cells
235	Thu	193303	Sym P-09 Poster Session	Enhancement of Short Circuit Current Density JSC in PbS Colloidal Quantum Dot Solar Cells by Pulsed Laser Deposited Amorphous Structure ZnO
236	Thu	193304	Sym P-09 Poster Session	Fabrication of Sb ₂ Se ₃ Based Thin Film Solar Cells by Pulsed Laser Deposition
237	Thu	193452	Sym P-09 Poster Session	Facile Synthesis of Highly Photoluminescent AgInSe ₂ Quantum Dots for Sensitized Solar Cells
238	Thu	193451	Sym P-09 Poster Session	Air Insensitive Synthesis of CuInSe ₂ /ZnSe quantum Dots for Sensitized Solar Cells
239	Thu	191725	Sym P-09 Poster Session	Activation and Modulation of Amorphous Thin Films Using Electric Field for Low-Temperature Flexible Programmable Thin Film Transistors and Logic Gates.
240	Thu	200121	Sym P-09 Poster Session	Controlling Ga Profile in Low Temperature-Processed Cu(In,Ga)Se ₂ Thin Film by Using a Thin Ag Precursor Layer
241	Thu	190824	Sym P-09 Poster Session	Influence of Ce-W Co-Doping on the Phase Transition Temperature of VO ₂ (M1)Thin Films Synthesized by Ultrasonic Nebulized Spray Pyrolysis of Aqueous Combustion Mixture
242	Thu	191116	Sym P-09 Poster Session	Improved Photovoltaic Performance of CdTe Solar Cell with Hole-blocking Layer: Nanoscale Imaging of Barrier Height at the Interfaces
243	Thu	191316	Sym P-09 Poster Session	Sensitization of Wide Band Gap Oxide Semiconductors by NIR Dyes with Varying Anchoring Groups for Molecular Photovoltaics.
244	Thu	191738	Sym P-09 Poster Session	Elucidating the SnS/BaSi ₂ Interface Reaction for SnS/BaSi ₂ Heterojunction Solar Cells
245	Thu	192232	Sym P-09 Poster Session	Pulsed Nanosecond Laser Sintering of Cu(In,Ga)Se ₂ Nanocrystal Thin Film for Solar Cell Application
246	Thu	193158	Sym P-09 Poster Session	Solution-Processed CIGS Thin Film Solar Cells by Inkjet Printing
247	Thu	191818	Sym Q-09 Poster Session	Resolving Thermal Transport Properties through Time-Resolved Spatial-Temporal Imaging
248	Thu	192303	Sym Q-09 Poster Session	Enhanced Thermoelectric Performance of Conjugated Polymers and Their Composites
249	Thu	190858	Sym Q-09 Poster Session	Effects of Structural Phase Transition on Thermoelectric Performance in Lithium-Intercalated Molybdenum Disulfide (Li _x MoS ₂)
250	Thu	191992	Sym Q-09 Poster Session	Molten salt Electrochemical Cs Removal and Multi Crystal Formation from Fukushima Weathered Biotite Toward Energy Material Creations
251	Thu	191338	Sym Q-09 Poster Session	Polymer Morphology & Interfacial Charge Transfer Dominate over Energy-Dependent Scattering in Organic-Inorganic Thermoelectrics
252	Thu	192415	Sym Q-09 Poster Session	Thermoelectric Cooling for the Construction of Solid-State Air Conditioner in Lift
253	Thu	193086	Sym Q-09 Poster Session	Realization of High Thermoelectric Figure of Merit in Solution Synthesized 2D SnSe Nanoplates
254	Thu	191881	Sym Q-09 Poster Session	Novel Thermoelectric Assembly for Vehicle Waste Heat Recovery
255	Thu	193149	Sym Q-09 Poster Session	Structural and Thermoelectric Properties of Ion-Beam Treated BiSbTe Thin Films Deposited by RF Sputtering
256	Thu	191102	Sym Q-09 Poster Session	Importance of Inertial Effective Mass as Transport Descriptor in Data-driven Thermoelectric Screening
257	Thu	191965	Sym Q-09 Poster Session	Time Evolution of the Thermoelectric Properties in HNO ₃ -Doped PEDOT:PSS Films
258	Thu	192159	Sym Q-09 Poster Session	Mg ₂ Si _{1-x} Sn _x Codoped with Bi and Cr : Enhanced Thermoelectric Performance and Effect on Magnetic Order.
259	Thu	190134	Sym T-09 Poster Session	Highly Conductive 3D Metal-Rubber Composites for Stretchable Electronic Applications
260	Thu	190147	Sym T-09 Poster Session	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anti-corrosion and Self-cleaning property

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Board No.	Day	Abst ID	Session	Title
261	Thu	190162	Sym T-09 Poster Session	Self-healing Transparent Ionic Conductor with Tunable Properties for Electronic Skin
262	Thu	190261	Sym T-09 Poster Session	Ultrasensitive Piezoresistive Sensor Based on Polyurethane Sponge Coated with Crack-Shaped Cellulose Nanofibril/Silver Nanowire Layer
263	Thu	190922	Sym T-09 Poster Session	SenSearch: Predictive Sensor Search Engine for User-designable Performance of Micro-pyramidal E-skin
264	Thu	191156	Sym T-09 Poster Session	Stretchable and Self-healable Energy Storage Device for Wearables and Robotics
265	Thu	191298	Sym T-09 Poster Session	High Sensitivity PbI ₂ -TiO ₂ Composite Single-Crystal Bulk-Heterojunction X-ray Detectors
266	Thu	191308	Sym T-09 Poster Session	Large-Scale Bar-Coating Single-Crystal for Bottom-Contact Organic Field-Effect Transistors
267	Thu	191574	Sym T-09 Poster Session	Wearable, Cable-Type Electrochemical Sensor With Sub-Parts-per-Million Sensitivity For Zn ²⁺ For Early-Stage Diagnosis of Alzheimer's
268	Thu	191615	Sym T-09 Poster Session	Fabrication of Complementary Circuits Using Solution Grown Organic Single Crystals
269	Thu	191788	Sym T-09 Poster Session	Non-Invasive Glucose Monitoring Enabled by Wireless Flexible Sensor
270	Thu	191844	Sym T-09 Poster Session	Solvent-Assisted Direct Writing of Polysiloxanes
271	Thu	192118	Sym T-09 Poster Session	Preparation and Characterization of Organic Single-Crystal Semiconductors Based Flexible Field-Effect Transistors
272	Thu	192386	Sym T-09 Poster Session	Proof of Concept of Left Ventricular Volume Measurement by Fully Biocompatible Soft Strain Sensor
273	Thu	192408	Sym T-09 Poster Session	Fabrication of Stretchable Microchannels by Direct Ink Writing (DIW) for Film-Based Soft Robotic Actuators
274	Thu	192666	Sym T-09 Poster Session	Surface Modification of Room Temperature Liquid Ga-alloys With a Gold Thin-film Encapsulation: Toward More Functional Liquid Metal Based Systems
275	Thu	193038	Sym T-09 Poster Session	Tactile Chemomechanical Transduction Based on An Elastic Microstructured Array to Enhance the Sensitivity of Portable Biosensors
276	Thu	193100	Sym T-09 Poster Session	Neuromorphic Perceptual Devices toward Artificial Intelligence
277	Thu	191956	Sym U-09 Poster Session	Evaluation of Microstructure and Mechanical Properties of Gas Tungsten Arc-Welded High Manganese Steel for Cryogenic Usage
278	Thu	193289	Sym U-09 Poster Session	Cr ₃ C ₂ -NiCr Cermet Coating on Stainless Steel for Erosion-Corrosion Protection
279	Thu	191247	Sym U-09 Poster Session	Fabrication and Characterisations of Lightweight Hollow Metal Lattice Structures
280	Thu	191608	Sym U-09 Poster Session	Parameters Fitting And Verification of Johnson-Cook Constitutive Model for DT1900 Steel
281	Thu	193266	Sym U-09 Poster Session	An LS-DYNA User-Defined Material Model for Aluminum Powder/Rubber Composites
282	Thu	190407	Sym U-09 Poster Session	Carbon Nanotube Reinforcement of Elastomeric Polyurea
283	Thu	190925	Sym U-09 Poster Session	Low Temperature Sintering Behavior of Yttrium Oxide by Cold Sintering Process
284	Thu	193256	Sym U-09 Poster Session	Crystal Structure Distortion Dependence of Microwave Dielectric Properties of Cr ³⁺ -Substituted ZnGa ₂ O ₄ Spinel Ceramics
285	Thu	192952	Sym U-09 Poster Session	3D Printing of YAG Ceramics by Stereolithography Method Assisted with Hot Isostatic Press Process
286	Thu	192602	Sym U-09 Poster Session	Effect of Sintering Conditions on the Microstructure and Mechanical Properties of 3D Printed Ceramic Structures
287	Thu	192853	Sym U-09 Poster Session	Study of the Correlation of Cyclic Voltammetric Responses of Copper- Imidazopyrimidine Dye System with Potentiodynamic Polarization in Artificial Sea Water
288	Thu	191314	Sym U-09 Poster Session	Experimental Modeling of Dye Degradation Using Evonik Aeroxide P25 as a Photocatalyst in Suspension Photoreactor
289	Thu	190404	Sym U-09 Poster Session	Rutherford Backscattering and Optical Studies on High Dose Mg-ion Implanted GaN Bulk Single Crystal
290	Thu	190645	Sym V-09: Poster Session	PolyJet TM 3D Printing of Bismaleimides: Optimization of Ink Formulation and Characterization of Printed Material
291	Thu	190712	Sym V-09: Poster Session	Advancing the Application of Ceramics in Industry Through Additive Manufacturing
292	Thu	191243	Sym V-09: Poster Session	3D Biomimetic Thin Film Composite Design for Tougher Material
293	Thu	191318	Sym V-09: Poster Session	Improve Printing Accuracy Of Additively-Manufactured Submillimetre Overhang Trusses via Shape Compensation
294	Thu	191339	Sym V-09: Poster Session	Freeform Silicone Printing for Intrinsically Curved Surface of Human Body
295	Thu	191396	Sym V-09: Poster Session	Sampling and Mixing of Powders in Additive Manufacturing
296	Thu	191431	Sym V-09: Poster Session	Properties of Thin-Walled and Low Density Triply Periodic Minimal Surface Based Structures Fabricated by Selective Laser Melting
297	Thu	191444	Sym V-09: Poster Session	Light-Weight Design of a Fuel-Line Holder by Topology and Lattice Optimization
298	Thu	191587	Sym V-09: Poster Session	3D Printed Chain-Like Compressible and Self-Recovery Sole for High Performance Shoes
299	Thu	191668	Sym V-09: Poster Session	Hybrid Digital Fabrication Approach for Trans-femoral Prostheses
300	Thu	191794	Sym V-09: Poster Session	Effect of Pre-Sintering and Subsequent Bronze Infiltration on the Microstructure and Mechanical Properties of Binder Jet 3D Printed 420 Stainless Steel
301	Thu	191797	Sym V-09: Poster Session	Effect of Binder Saturation Rates on the Characteristics of Additively Manufactured 316L Stainless Steel
302	Thu	191826	Sym V-09: Poster Session	2D and 3D Porosity Analysis of AM Powders
303	Thu	191879	Sym V-09: Poster Session	Chocolate Ink Three-Dimensional Printing (CI3DP) at Ambient Conditions
304	Thu	191880	Sym V-09: Poster Session	The Influence of Laser Parameters Interaction on 18Ni300 Density Fabricated by Selective Laser Melting

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Board No.	Day	Abst ID	Session	Title
305	Thu	191986	Sym V-09: Poster Session	Investigation of Mechanical Properties and Surface Roughness of Polyamide 11 Parts Fabricated using Selective Laser Sintering
306	Thu	192010	Sym V-09: Poster Session	Fluoropolymer Microfluidic Chips by Xurography
307	Thu	192031	Sym V-09: Poster Session	On the Role of Hatch Spacing in the Microstructure of Micro Selective Laser Melted SS316L
308	Thu	192127	Sym V-09: Poster Session	Investigation of Thermoplastic Polyurethane/Carbon Nanohybrids for Selective Laser Sintering Application
309	Thu	192381	Sym V-09: Poster Session	Confined Electrochemical Printing of 3D Micro- and Nanostructures
310	Thu	192391	Sym V-09: Poster Session	Fabrication of 3D Microchannels in Castable Matrices by Modular Assembly and Direct Patterning of Sacrificial Mold Made with Polyvinyl Alcohol (PVA)
311	Thu	192478	Sym V-09: Poster Session	A Water-Resilient Composite for Sacrificial Molding in Hydrogels
312	Thu	192507	Sym V-09: Poster Session	CerAMufacturing – Additive Manufacturing (AM) of Single- and Multi-Material Ceramic Components
313	Thu	192691	Sym V-09: Poster Session	Mechanical and Bioactivity Study of Electron Beam Manufactured Ti-6Al-4V with Porous Struts and Surface Modification
314	Thu	192858	Sym V-09: Poster Session	Direct Ink Writing (DIW) of 3D Printable, Highly Stretchable and Robust Gelatin
315	Thu	192877	Sym V-09: Poster Session	Characterization of Defects in Fe-6wt%Si alloy Produced Using Selective Laser Melting
316	Thu	193112	Sym V-09: Poster Session	Laser Deposition Additive Manufacturing of 17-4PH Stainless Steel on Ti-6Al-4V
317	Thu	193404	Sym V-09: Poster Session	Machining Characteristics of Selective Laser Melting CoCrFeMnNi High-Entropy Alloy
318	Thu	191362	Sym V-09: Poster Session	Additively Manufactured Magnesium Alloys for Scaffold Applications through an Innovative Inkjet-Based 3D Printing Technique
319	Thu	191975	Sym V-09: Poster Session	Thermoset Material with High Elongation Property for Processing in Stereolithography System
320	Thu	190389	Sym V-09: Poster Session	The Effect of Process Parameters on Densification and Mechanical Properties of H13 Tool Steel Fabricated by Laser Powder Bed Fusion Method
321	Thu	190411	Sym Y-09 Poster Session	Multiaxially Sensitive and Transparent Strain Sensors with Synergetically Reinforced Heteronanocrystal Solids
322	Thu	190543	Sym Y-09 Poster Session	Enhancement of Lateral Flow Assay Using Thermal Contrast Strategy
323	Thu	191092	Sym Y-09 Poster Session	Triocetylphosphine-Assisted Morphology Control of ZnO Nanoparticles
324	Thu	191130	Sym Y-09 Poster Session	Stabilization and Interaction of Polymer Coated Metal Nanoparticles in Complex Environments
325	Thu	191476	Sym Y-09 Poster Session	The Ultraviolet to Blue Emission from Gallium Nitride Colloidal Quantum Dot
326	Thu	191741	Sym Y-09 Poster Session	Pd-decorated Sp ² Carbon Nanostructures for the Electrocatalytic Oxidation of Hydrazine
327	Thu	192804	Sym Y-09 Poster Session	Comparison of Square Wave Voltammetry (SWV) and Differential Pulse Voltammetry (DPV) Using CuS, MgS, CdS for Enhanced Detection of Pathogens
328	Thu	193319	Sym Y-09 Poster Session	Inorganic Perovskite CsPbBr ₃ -xI _x QDs: Enhancing Optical Stability
329	Thu	192044	Sym CC-09 Poster Session	Advanced Functional Electrodes for High Performance of Water Desalination and Disinfection
330	Thu	191891	Sym CC-09 Poster Session	Biosynthesis of Silver Nanoparticles Using Textile Waste - Silk Sericin and Antibacterial Properties
331	Thu	191470	Sym CC-09 Poster Session	Blue Blocking Films Using Wavelength Convertible Property of Carbon Dots for Protecting Eye Health
332	Thu	191438	Sym CC-09 Poster Session	Controlled Electrophoretic Deposition of Iron Oxide Nanoparticles
333	Thu	190648	Sym CC-09 Poster Session	Effect of Tin Doping on Vertically Aligned ZnO Nanorods Synthesized via Hydrothermal Method
334	Thu	192755	Sym CC-09 Poster Session	Effects of NiO _x Capping Layer on the Photoelectrochemical Properties of CuO Photoelectrode
335	Thu	192748	Sym CC-09 Poster Session	Effects of Urea Additive on the Properties of Fe ₂ O ₃ Thin Film Photoelectrode
336	Thu	191491	Sym CC-09 Poster Session	Elucidation of Codoping Effects on the Photocatalytic Enhancement of Y and W in BiVO ₄
337	Thu	191849	Sym CC-09 Poster Session	Formation of Transition Metal Compound Nanoparticle Films via Electrophoretic Deposition for HER Catalysis
338	Thu	192579	Sym CC-09 Poster Session	Green, Sono Synthesis Approach for Direct-Functionalization of Reduced Graphene) Oxide with Poly(Styrene Alt-Maleic Anhydride) by Diels Alder "Click" Reaction
339	Thu	193190	Sym CC-09 Poster Session	High Surface Area Porous Activated Carbons Prepared from Grape Marc for Carbon Capture and Supercapacitors
340	Thu	190229	Sym CC-09 Poster Session	Hollow ZSM-5 Nanozeolites with Multi-layer Supported Metal Nanoparticles for Clean Catalysis Applications
341	Thu	193134	Sym CC-09 Poster Session	Mesoporous Nanocomposites of Layered Double Hydroxide-Metal Oxide Nanosheets with Oxygen Electrocatalytic Activity
342	Thu	190008	Sym CC-09 Poster Session	Microwave Synthesis of High Quality CIS/Zns Quantum Dots
343	Thu	191296	Sym CC-09 Poster Session	Mixed Bacterial Imprinted Polymer Film for External Field-Induced Selective Trapping of Bacteria
344	Thu	193135	Sym CC-09 Poster Session	Mixed Host Intercalation Compounds with Excellent Electrocatalyst Performance
345	Thu	192565	Sym CC-09 Poster Session	Nanostructured TiO ₂ Gas Sensors Based on Controlled Oxidation of Electrospun TiN/PVP Nanofibers
346	Thu	192120	Sym CC-09 Poster Session	Nitrogen-Enriched Nanoporous Polytriazine for Gas Sorption Applications

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Board No.	Day	Abst ID	Session	Title
347	Thu	192833	Sym CC-09 Poster Session	Rational Combination of rGO Coupled Porous Cobalt Vanadate Microparticles for Energy Storage Applications
348	Thu	192096	Sym CC-09 Poster Session	Solvothermal Synthesis of Carbon Nanodots and Its Application in Perovskite Solar Cell
349	Thu	190409	Sym CC-09 Poster Session	Synthesis and Characterization of CoCl ₂ -Doped HPMC Polymer Composites: Structure-Property Correlations.
350	Thu	192417	Sym CC-09 Poster Session	Synthesis and Characterization of Tin Sulfide Colloidal Nanocrystals
351	Thu	191531	Sym CC-09 Poster Session	Synthesis of High-Crystalline NiMoO ₄ Nanoflakes and Their Electrochemical Performance for Supercapacitors
352	Thu	190727	Sym CC-09 Poster Session	Synthesis, Characterization of Advanced Nanomaterial and Their Deposition for Bio-Sensing Applications.
353	Thu	191592	Sym CC-09 Poster Session	UV-Assisted Synthesis of Gold Nanoparticles Using Bombyx Mori Silk Sericin: Characterization and Catalytic Reduction of Methylene Blue
354	Thu	191537	Sym CC-09 Poster Session	Wearable Single-Electrode Mode Triboelectric Nanogenerators via Pyrrole-Coated Textile
355	Thu	200027	Sym CC-09 Poster Session	Biosynthesis of Gold Nanoparticles by Indigenous Gold Mine Bacteria and their Health and Environmental Applications
356	Thu	200025	Sym CC-09 Poster Session	Eco-friendly Synthesis of ZnO/Au Nanocomposite and their Functional Properties
357	Thu	200026	Sym CC-09 Poster Session	Effect of Graphene and Biosynthesized Reduced Graphene Oxide on the Biological and Silk Protein Traits of the Silkworm, Bombyx mori
358	Thu	200022	Sym CC-09 Poster Session	Enhanced Antibacterial Effect and Anti Cancer Activity through Rational Design of Functionalised Calcium Carbonate Nanoparticles
359	Thu	200023	Sym CC-09 Poster Session	Synthesis and Characterization of Carbon Particles for Surface Induced Voltage in Electrical Insulators in Open and Closed AC Circuit and its Applications
360	Thu	190382	Sym CC-09 Poster Session	Lignin Laser Lithography: A Direct Laser Writing Technique for On-chip Microsupercapacitor and Electronics
361	Thu	193389	Sym CC-09 Poster Session	Design of Tetracarboxyphenylporphyrin-Functionalized BiFeO ₃ Nanoparticles as High Efficient Visible-Light Photocatalyst for Water Purification
362	Thu	190282	Sym FF-09 Poster Session	One-Pot Production of Porous Assemblies by PISA of Star Architecture Copolymers: A Simulation Study
363	Thu	190283	Sym FF-09 Poster Session	The Cooperative Assembly of Janus Particles and Amphiphilic Oligomers: Insights from Dissipative Particle Dynamics Simulation
364	Thu	190757	Sym FF-09 Poster Session	Antivortex Spontaneous Generation in A Mesoscopic Superconducting Heterostructure
365	Thu	191135	Sym FF-09 Poster Session	Role of Silica Surface Chemistry in Glass Transition and Interfacial Properties of Polymer-Silica Nanocomposite Systems - A Molecular Dynamics Simulation Study.
366	Thu	191485	Sym FF-09 Poster Session	A Sequential Numerical Technique for Analysis of Coupled Heat and Mass Transfer Phenomena during Drying of Ceramic Materials: Application to Kaolin Drying as Ceramic Material
367	Thu	191532	Sym FF-09 Poster Session	Heat Capacity and Magnetization of Coupled Dot-Ring Structures in External Fields
368	Thu	191874	Sym FF-09 Poster Session	Co-Pyrolysis of Brominated Flame Retardants with Polymeric Materials (Polyethylene)
369	Thu	192000	Sym FF-09 Poster Session	Atomic Energy of High-Dimensional Neural Network Potential
370	Thu	192304	Sym FF-09 Poster Session	Linearly Independent Descriptor Generation Method for Sparse Modeling
371	Thu	192328	Sym FF-09 Poster Session	Development of Neural Network Potentials for Chalcogenides
372	Thu	192799	Sym FF-09 Poster Session	Efficient Kinetic Monte Carlo Simulation of Crystal Growth in the Presence of Impurities
373	Thu	192870	Sym FF-09 Poster Session	Mechanisms of Nanoscale Thermal Transport across Si Interfaces by Perturbed Molecular Dynamics
374	Thu	192906	Sym FF-09 Poster Session	Uneven Scattering at Nano-Interfaces for Selective Transport of Electrons and Phonons
375	Thu	190087	Sym GG-09 Poster Session	Evolution of Dealloyed PdBi ₂ Nanoparticles as Electrocatalysts with Enhanced Activity and Remarkable Durability in Hydrogen Evolution Reactions
376	Thu	190304	Sym GG-09 Poster Session	Direct-Ink-Write 3D Printing Of Hydrogels into Tough Biomimetic Soft Robots
377	Thu	190308	Sym GG-09 Poster Session	Rational Engineering of Metal-Organic Coordination Networks to Nickel Iron Phosphides for Overall Water Splitting
378	Thu	190316	Sym GG-09 Poster Session	Simultaneous in Situ Reduction and Embedment of Cu Nanoparticles into TiO ₂ for the Design of Exceptionally Active and Stable Photocatalysts
379	Thu	190328	Sym GG-09 Poster Session	Multimetallic Nanostartubes as One-Dimensional Plasmonic Nanoscaffolds for Enhanced Photocatalysis
380	Thu	190331	Sym GG-09 Poster Session	Sponge Effect and N-Atom Anchor for Preparing Uniform Bismuth Oxide Foam Electrode toward High Efficient Selective CO ₂ Conversion
381	Thu	190380	Sym GG-09 Poster Session	Solar Absorber Gel: Localized Macro-Nano Heat Channeling for Efficient Plasmonic Au Nanoflowers Photothermic Vaporization and Triboelectric Generation
382	Thu	190612	Sym GG-09 Poster Session	Facile Synthesis of Molybdenum Oxide and Molybdenum Sulfide on Ketjen Black for Efficient Oxygen Reduction Reaction
383	Thu	190647	Sym GG-09 Poster Session	Hierarchically Porous Single Nanocrystals of Bimetallic Metal-Organic Framework for Nanoreactors with Enhanced Conversion
384	Thu	190680	Sym GG-09 Poster Session	Carbon Coating Hollow Cobalt Phosphide as Bifunctional Electrochemical Catalyst
385	Thu	190719	Sym GG-09 Poster Session	Nanocomposite Gel Polymer Electrolytes: Thermophysical, Electrical Properties and Electrochemical Applications

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Board No.	Day	Abst ID	Session	Title
386	Thu	190732	Sym GG-09 Poster Session	Simultaneous Generation of Ligand-free Ultrasmall Metal Nanoparticles and Additional Mesopores within Metal-Organic Framework: Towards Heterogeneous Nanocatalysts with Exceptional Activity/Performances
387	Thu	190957	Sym GG-09 Poster Session	Mesopores-Abundant M-N/C Based Oxygen Electro-Catalysts: General Synthesis and Favorable Active Sites Exploration
388	Thu	190959	Sym GG-09 Poster Session	Tunable Pseudocapacitive Properties of TiO ₂ @Porous Carbon Nanoparticles Derived from Metal-Organic Frameworks for Membrane Capacitive Deionization
389	Thu	191071	Sym GG-09 Poster Session	Rational Design of Bimetallic Based Oxide Nanoflowers for Efficient Water Oxidation
390	Thu	191233	Sym GG-09 Poster Session	Metal-Organic Frameworks for On-Chip Energy Storage
391	Thu	191370	Sym GG-09 Poster Session	Chemical Transformation of Iron Phosphide Nanoparticles for Hydrogen Evolution Electrocatalysis
392	Thu	191382	Sym GG-09 Poster Session	Effective Photocatalytic N ₂ Reduction on A New Phase 2D MoS _x
393	Thu	191432	Sym GG-09 Poster Session	Carbon Quantum Dots-Based Catalysts for Oxygen Evolution and Reduction Reactions for Rechargeable Metal-Air Batteries
394	Thu	191498	Sym GG-09 Poster Session	Electrochemical Reduction of CO ₂ to Carbon Monoxide Using Transition-Metal Coordinated Molecular Catalysts
395	Thu	191897	Sym GG-09 Poster Session	Transition Metal Nitrides Fabricated via N ₂ Plasma for Energy Conversion and Storage
396	Thu	191968	Sym GG-09 Poster Session	Intercalation Na-Ion Storage in Two-Dimensional MoS ₂ -xSex and Capacity Enhancement by Selenium Substitution
397	Thu	192171	Sym GG-09 Poster Session	Self-Assembled Supramolecular Hybrid of Carbon Nanodots and Polyoxometalates for Visible-Light-Driven Water Oxidation
398	Thu	192385	Sym GG-09 Poster Session	Enhancement of Elemental Mercury Capture by Mixed Phase of Silver-Activated Carbon Composites
399	Thu	192559	Sym GG-09 Poster Session	Template-Free Synthesis of Mesoporous MnO ₂ Spheres as Highly Efficient Catalysts for the Total Oxidation of Toluene
400	Thu	192761	Sym GG-09 Poster Session	Novel NbS ₂ /Si NW's Heterostructure by Chemical Vapour Deposition for Enhanced Photocatalytic Hydrogen Evolution Reaction
402	Thu	193000	Sym GG-09 Poster Session	Wearable Fiberform Hygroelectric Generator
403	Thu	193002	Sym GG-09 Poster Session	A Capacity Recoverable Zinc-Ion Micro-Supercapacitor
404	Thu	193048	Sym GG-09 Poster Session	A Wet-Pressing and Air-Drying Approach to Regulation and Integration of Superelastic Graphene Aerogels with Tunable and Enhanced Performance
405	Thu	193058	Sym GG-09 Poster Session	A Graphene Oxide-Mediated Polyelectrolyte with High Ion-Conductivity for Highly Stretchable and Self-Healing All-Solid-State Supercapacitors
406	Thu	193299	Sym GG-09 Poster Session	Encapsulation of Pt Nanosheets in Few-Layered Graphene for Efficient Glycerol Oxidation
407	Thu	193447	Sym GG-09 Poster Session	A Strategy to Boost Charge Density of Electret Nanogenerator
408	Thu	191933	Sym GG-09 Poster Session	Efficient Sodium Ion Intercalation into the Free-Standing Prussian Blue/Graphene Aerogel Anode in Hybrid Capacitive Deionization System
409	Thu	193043	Sym GG-09 Poster Session	Hollow Multi-Shelled Structures of Co ₃ O ₄ Dodecahedron with Unique Crystal Orientation for Enhanced Photocatalytic CO ₂ Reduction
410	Thu	191036	Sym GG-09 Poster Session	Flexible Supercapacitor Based on Polyaniline Nanowires Electrodeposited on Graphite Foam
411	Thu	191420	Sym GG-09 Poster Session	Urchin-Like NiCo ₂ Px for Efficient HER Electrocatalysis
412	Thu	191915	Sym GG-09 Poster Session	Nitrogen-Doped Carbon Encapsulated Iron-Cobalt Based Ternary Alloy Nanoparticles Derived from Pyrolysis as Robust Catalysts
413	Thu	192222	Sym GG-09 Poster Session	Improved Photocatalytic Activity from Metal Oxide-Carbon Nanosphere Composite Structures under UV Irradiation
414	Thu	192280	Sym GG-09 Poster Session	Cr(VI) Removal by Anodic Porous Nb ₂ O ₅ Photocatalyst
415	Thu	192399	Sym GG-09 Poster Session	High Electrochemical Energy Storage Performance of Nickel Oxide-Coated Nickel Foam Prepared by Sparking Method
416	Thu	192448	Sym GG-09 Poster Session	Anodisation of Nickel for Porous NiO Film Formation in Ethylene Glycol Bath
417	Thu	192861	Sym GG-09 Poster Session	Preparation of Bimetallic Catalysts on Carbon Support for Application in Biodiesel Synthesis
418	Thu	193160	Sym GG-09 Poster Session	Lead-Free Inorganic Perovskites for Energy Harvesting Applications
419	Thu	190106	Sym II-09 Poster Session	Synthesis and Powder Properties of Titanium - Zinc Phosphate White Pigments for Cosmetics
420	Thu	191270	Sym II-09 Poster Session	Polymerization of Higher Aldehydes for the Synthesis of Depolymerizable Surfactants
421	Thu	191280	Sym II-09 Poster Session	Energy Conversion and Storage Applications of Graphene, Phosphorene and MXene
422	Thu	191412	Sym II-09 Poster Session	The Use of Rice Husk Ash and Bagasse Ash for the Fabrication of Silicon Oxynitride Ceramics via Direct Nitridation Method.
423	Thu	191519	Sym II-09 Poster Session	Preparation, In-Vitro Bioactivity and Antibacterial Behavior of Sol-Gel Derived Doped Bioactive Glass
424	Thu	191784	Sym II-09 Poster Session	Metal-Organic Frameworks: Breathing Arouse Long Persistent Luminescence
425	Thu	191863	Sym II-09 Poster Session	Photochromic Palette Strategy for Construction of White-Light Emission Metal Organic Framework
426	Thu	191945	Sym II-09 Poster Session	Manganese Oxide Decorated Nitrogen Doped Reduced Graphene Oxide Supercapacitors
427	Thu	192095	Sym II-09 Poster Session	Preparation of Doped Bioglass/Hydroxyapatite Composite for Biomedical Application

ICMAT 2019 POSTER BOARD ALLOCATION - THURSDAY, 27 JUNE 2019

Board No.	Day	Abst ID	Session	Title
428	Thu	192109	Sym II-09 Poster Session	N-Doped Reduced Graphene-CNT 3D Framework as A Supercapattery in Acidic Medium
429	Thu	192268	Sym II-09 Poster Session	Carbon Nanosphere/Polymer Composite Electrode for Supercapacitor Application
430	Thu	192407	Sym II-09 Poster Session	Transformation Mechanism and Microstructure Study of YAG:Ce Phosphor Ceramics Sintered by CO ₂ Laser Scanning and Solid State Reaction
431	Thu	192658	Sym II-09 Poster Session	Synthesis of Fe ₃ O ₄ Nanoparticles Doped with Ti and Its Application in Lithium-Ion Battery
432	Thu	192723	Sym II-09 Poster Session	Flexible and Wearable All-Solid-State Al-Air Battery Based on Iron Carbide Encapsulated in Electrospun Porous Carbon Nanofibers
433	Thu	193250	Sym II-09 Poster Session	Gelcasting of YAG Transparent Ceramics for Optics
434	Thu	193450	Sym II-09 Poster Session	Evaluation and Enhancement of the Photocatalytic Activity of Hybridized Graphitic Carbon Nitride Nanostructures for Environmental Applications
435	Thu	193461	Sym II-09 Poster Session	Hybrid Iron Based Materials for Active Packaging
436	Thu	193463	Sym II-09 Poster Session	Iron-enriched Porous Metal Organic Framework (MOF) For Oxygen Scavenging
437	Thu	193468	Sym II-09 Poster Session	Rational Design Of Ag-BiVO ₄ Semiconductor With Enhanced Photocatalytic And Antimicrobial Properties
438	Thu	200084	Sym II-09 Poster Session	Design and Fabrication of Conductive Silk-based Fibres for Peripheral Nerve Regeneration
439	Thu	200041	Sym II-09 Poster Session	Development of Lead-Free Piezoelectric Thin Films with Improved Electromechanical Response
440	Thu	200039	Sym II-09 Poster Session	Disposable and Highly Sensitive Polydiacetylene-graft-Chitosan Based Colorimetric Sensors for Monitoring the Evolution of Food Spoilage