Paper Number	Paper Title	First Name	Last Name	Affiliation
14ae	Engineering Soft Materials with Tunable Structure and Functionalities	Abu Zayed Md	Badruddoza	Massachusetts Institute of Technology
14h	Programmable Assembly and Deformation of Soft Matter	Jinhye	Bae	Harvard Univeristy
14bg	Application of Zwitterionic Materials in Stem Cell Expansion and Immunosuppression	Tao	Bai	University of Washington
14ai	Design of Functional Polymeric Materials: From Ion Transport to Bio-Inspired Assembly	Katherine P.	Barteau	Cornell University
14z	Harnessing Interfacial Phenomena to Design New Soft Materials	Laura	Bradley	University of Southern California
14k	Polymer Science As a Tool for Materials Design and Biological Discoveries	Liheng	Cai	Harvard University
14ac	2D Materials Assembly for Stretchable Electronics and Smart Fabrics	Po-Yen	Chen	Massachusetts Institute of Technology
14t	Polymeric Materials for Biomedicine and Nanotechnology	Stephanie	Christau	University of Michigan
14ar	Sythesis of Biomass-Derived Carbon Materials and Their Application on Energy Storage and Fuel Cell	Muslum	Demir	Virginia Commonwealth university
14a	Two Dimensional Halide Perovskites: Structures and Properties	Letian	Dou	University of California, Berkeley
14be	Flow and Jamming of Particulate Materials	Somayeh	Farhadi	
14d	Thin Films and Two-Dimensional Materials for Energy Applications	Kurt	Fredrickson	SLAC National Accelerator Laboratory
14aj	Material Interactions and Synergies in Lithium-Air Batteries and Electrochemical Devices	Forrest	Gittleson	Sandia National Laboratories
14o	Engineering the Surfaces of Tomorrow	Kevin	Golovin	University of Michigan
14c	Designing Polymeric & Soft Material Systems Via Inverse Computational Methodologies	Adam	Hannon	
14au	Temporally Controlled Release of Platelet-Rich Plasma from Peg Microgels Having Tunable Biodegradation Rate and Size	Era	Jain	Saint Louis University
14ao	Towards an Understanding of Catalytic Synthesis and Application of Nanomaterials	Piran	Kidambi	MIT
14aw	Towards the Next Generation of Magnetic Resonance Spectroscopy: Harnessing Light and Spin	Jonathan	King	University of California, Berkeley
14bd	Engineering Discrete Functional Building Blocks at Molecular Scale for Human-scale Applications	Jimmy	Lawrence	
14m	Functional Polymers for Energy Generation and Storage: Donor-Acceptor Block Copolymers for Photovoltaics and Functional Polyimides for Dielectric Materials	Youngmin	Lee	The Pennsylvania State University
14n	Microfluidic Design of Multi-Phase Emulsion Drops for Functional Materials Production	Hyomin	Lee	Harvard University
14ba	Towards a Greener and Scalable Synthesis of Sodium Titanate Nanorods and Its Application As Anode in Sodium Ion Batteries	Chi-Ying Vanessa	Li	The University of Hong Kong
14am	Triggerable Tough Hydrogels for Gastrointestinal Biomedical Applications	Jinyao	Liu	
14as	Molecule Separation and Energy Storage Using Novel Porous Material Platform	Jian	Liu	Pacific Northwest National Laboratory
14i	Nanostructured Based Lab-on-Chips for Detection of Single Biomolecules	Sara	Mahshid	
14p	Developing High Barrier Polyesters	Kazem	Majdzadeh Ardakani	University of Michigan
14v	Characterization of Polymer Particles in Biological Environments for Drug Delivery Applications	Kathleen	McEnnis	MIT

14g	Synthetic Biology Meets Biomaterial Design	Luo	Mi	University of Washington
14az	Designing Metal Oxide Materials for Reduction/Oxidation Reactions Based on a Fundamental Understanding of Their Behavior	Christopher L.	Muhich	University of Colorado at Boulder
14s	Photovoltaic Processes	Christopher P.	Muzzillo	University of Florida
14ad	Structure and Transport in Polymer Membranes for Energy-Efficient Separations	Hee Jeung	Oh	University of California, Berkeley
14bi	Energy Solutions through Electrochemical Processing: Electronic Devices,Energy Storage Devices, and Extractive Metallurgy	Takanari	Ouchi	Massachusetts Institute of Technology
14ab	Integrating Catalysis and Separations for Energy-Efficient Conversion of Biomass-Derived Feedstocks	Simon H.	Pang	Georgia Institute of Technology
14aa	Structure-Property of Polymer and Its Composites: Multiscale Experimental and Computational Studies	Jay Hoon	Park	Cornell University
14bh	From Reactive Nano-Particles to Self-Healing Materials: Chemical Research with a Green Twist	Erica	Pensini	
14bf	Controlling the Structure of Systems Ordered via Block Copolymer Phase Separation: Simulations and Experiments	Andrew	Peters	University of Minnesota
14u	Design of Advanced Materials for Application in Clean Energy and Carbon Capture and Utilization	Peter C.	Psarras	Stanford University
14bb	Multi-Scale Modeling of Bulk Solutions and Solid/Liquid Interfaces	Nav Nidhi	Rajput	Lawrence Berkeley National Laboratory
14r	Adventures in Liquid Crystals	Monirosadat	Sadati	University of Chicago
14ap	Composite Materials: Mechanical and Tribological Property Improvement	Kenan	Song	MIT
14ak	Life at Interfaces: Understanding the Fluid Dynamics, Transport and Surface Translocation of Bacterial Biofilms	Siddarth	Srinivasan	Harvard University
14at	Nano-Engineered Functional Materials for Energy Storage and Biomimetic Applications	Samanvaya	Srivastava	University of Chicago
14j	Harnessing the Power of the Extracellular Matrix to Control Wound Healing and Tissue Regeneration	Whitney L.	Stoppel	Tufts University
14ag	Polymer Based Hybrid Materials: From Molecular Design to Applications	Nader	Taheri Qazvini	University of Chicago
14ah	Stretchable Electronics Powered By Bio-Mechanical Energy for Wearable and Biomedical Applications	Sihong	Wang	
14b	"Click" Polymerizations: From Recycling Polymer to 3D Printing	Chen	Wang	University of Colorado
14f	Layer-By-Layer Assembly for Water Desalination and Gas Separation	Fangming	Xiang	National Energy Technology Laboratory
14y	Highly Energy-Dense Rechargeable Alkaline MnO2-Zn Batteries for Grid-Scale Applications	Gautam G.	Yadav	Purdue University
14bc	Biohybrid Materials for Applications in Human Healthcare and Sustainability -- Assistant Professor Candidate	R. Helen	Zha	Eindhoven University of Technology