Posted number	ID	Title	Type	Speaker	Institution
Session 1: Biological systems					
P1-001	10463	Biomineralization Inspired Silica-nanoparticles Reinforced Polyacrylate Acid for 3D Printing	Poster	Chunying Lv	KLBE, Jilin University
P1-002	10462	Bioinspired Transmembrane Photocatalytic Hydrogen Evolution	Poster	Chengkun Bai	KLBE, Jilin University
P1-003	10395	Spatiotemporally controlled cellular phase separation to regulate the protein homeostatic in vivo	Poster	Yuexi Zhu	South China Advanced Institute for Soft Matter Science and Technology
P1-004	10347	Characterization and Theoretical Analysis of the Venus flytrap trigger hair	Poster	Qian Wang	Soochow University
P1-005	10316	Trigger-Detachable Hydrogel Adhesives for Bioelectronic Interfaces	Poster	Yu Xue	Southern University of Science and Technology
P1-006	10315	Hydrogel Bioadhesives with Extreme Acid-Tolerance for Gastric Perforation Repairing	Poster	XINGMEI CHEN	Southern University of Science and Technology
P1-007	10274	Variation of structural colours in shining leaf chafers	Poster	Yuanyuan Lu	Institute of Zoology, CAS
P1-008	10371	Based on the threshold response characteristics of scorpion slit receptor	Poster	kejin Zhen	KLBE, Jilin University
P1-009	10177	Analysis of Kinematic Characteristics of Goat Spine Under Multi-slope	Poster	Xiahua Cui	Henan University of Science and Technology
P1-010	10276	Research on mechanical properties of goat hoof based on functional parts	Poster	Xinyue Wang	Henan University of Science and Technology
Session 2: Biofabrication and bioinspired manufacturing					
P2-001	20410	External mechanosensors for proprioception inspired by ultrasensitive trigger hairs of Venus flytrap	Poster	siyaun Chen	Soochow university
P2-002	20398	Design of bionic foot inspired by the anti-slip cushioning mechanism of yak feet	Poster	Weijun Tian	KLBE, Jilin University
P2-003	20259	Crack based strain sensor	Poster	gao lei	soochow university
P2-004	20216	High-throughput microfluidic fabrication of flexible ionic hydrogel battery inspired by electric eels	Poster	Pei He	Xi'an jiaotong university
P2-005	20195	Bionic Design of New Artificial Hip Joint	Poster	ren gang zhang	Anhui Engineering University
P2-006	20055	Optimization of bionic micro-electroosmotic system for anti-adhesion and drag reduction	Poster	Le Yang	Kunming University of Science and Technology
P2-007	20129	Superspreading-based Fabrication of Advanced Polymer Films	Poster	Pengchao Zhang	Wuhan University of Technology
P2-008	20096	Magnetic-Driven Pathways to Directional Migration During Injection Molding of Magnetic Polypropylene Microstructured Surfaces with Anti-Icing and Photothermal De-Icing Performance	Poster	Anfu Chen	Guangdong University of Technology

Session 3: Bioinspired functional structures and surfaces					
P3-001	30461	Curvature Adjustable Liquid Transport on Anisotropic Microstructured Elastic Film	Poster	Yan Li	Institute of Mechanics，Chinese Academy of Sciences
P3-002	30442	Design of bionic sucker with high adsorption performance based on the hexagonal morphology of Beaufortia kweichowensis	Poster	Tingkun Chen	Jilin University
P3-003	30450	Bioinspired luffa-like structure of Electrospun nanofiber-based aerogel for efficient and cost-effective air filtration	Poster	Bo Zhao	Jilin University
P3-004	30436	An Investigation of the Mechanism and Dynamic Characteristics for the Realization of Efficient Digging Function in the Digging Leg of Mole Crickets	Poster	Yan Zhang	Tianjin University of Science and Technology
P3-005	30445	Bioinspired Design of Positioning Sensors for Underwater Monitoring	Poster	Yuechun Ding	Jilin University
P3-006	30443	Intelligent Hybrid Hydrogel: Freshwater Generator From Acidic Fog	Poster	Wenle Pei	Taiyuan university of science and technology
P3-007	30433	Sandfish Lizard's Epidermal Structure Inspired Surface Design for Enhanced Abrasion Resistance	Poster	Jianjian Li	Kunming University of Science and Technology
P3-008	30415	Modulation of functional site of nanoscale bionic Turing structures	Poster	Zhang Qian	Wenzhou University
P3-009	30425	Effect of Bioinspired Textured Piston on Performance of Piston-Cylinder Liner Friction Pair	Poster	Tianyu Gao	Nanjing University of Science and Technology
P3-010	30334	Interface reinforcement design of carbon fiber composites inspired by marine mussel	Poster	Jialue Sun	Jilin University
P3-011	30405	Femtosecond Laser Direct Writing of Biomimetic Micro-structured Switchable Adhesion Interfaces	Poster	Zhiang Zhang	Department of Automation
P3-012	30404	ARAUCARIA LEAF-INSPIRED SWEAT-COLLECTING PATCH FOR SWEAT COLLECTION AND ANALYSIS	Poster	Pengfei Song	Xi'an Jiaotong-Liverpool University
P3-013	30357	Bioinspired Transparent Robust Superhydrophobic Coating	Poster	Hang Li	Fudan University
P3-014	30370	Research on Energy Absorption Characteristics of Bionic Thin-walled Structure with Double Arc Clip Type Space Self-locking	Poster	Xiang Li	China Three Gorges University
P3-015	30380	Research on the vortex anti-clogging filtration mechanism inspired by Balaenid whales	Poster	Yawei Zhu	Henan University of Technology
P3-016	30373	Crashworthiness analysis of multilayer bio-inspired sandwich structure under impact load	Poster	Han Huang	Nanjing University of Aeronautics and Astronautics
P3-017	30305	Controllable water adhesion of the transformation from Cassie to Wenzel state triggered by pre-loaded pressure	Poster	Jiaqi Chao	Tianjin University
P3-018	30300	A highly adaptable bio-inspired adhesive with multiple layers and mechanisms	Poster	Chongwen Tu	Nanjing University of Aeronautics and Astronautics
P3-019	30289	High-friction and Low-Adhesion Bionic Microstructure Design for Efficient Handling Field Applications	Poster	Jianming Wu	Nanjing University of Aeronautics and Astronautics
P3-020	30298	Insects-inspired smooth attachment pads for strong shear stress and small pull-off force	Poster	Jiahui Zhao	Nanjing University of Aeronautics and Astronautics
P3-021	30291	Bioinspired mechanical interlocker with tunable peeling force and strong shear adhesion	Poster	Rui Zhou	Jilin University
P3-022	30285	The novel bionic structures inspired by branch growth differentiation with multi-directional inducible load bearing	Poster	Zhenglei Yu	Jilin University
P3-023	30282	Hydrophobic ZIF-8 covered active carbon for CO2 capture from humid gas	Poster	yanzheng ji	Southeast University
P3-024	30271	Transparent ceramic-polymer composite coating with superior superhydrophilicity and anti-fogging properties	Poster	weilin Deng	Southeast University
P3-025	30269	Magnetically Controlled Super Wetting Surface from Ultra-low to Ultra-high Droplet Adhesion	Poster	Haixu Dou	Jilin University
P3-026	30267	Bioinspired Nanopillar Surface with Switchable Mechano-bactericidal and Releasing Actions	Poster	yaozhen yi	Jilin University
P3-027	30265	Dynamic adhesion of honeybee by controlling adhesive strength and contact area	Poster	Lulu Liang	Beijing Institute of Technology
P3-028	30263	Conch-shell-inspired tough ceramic	Poster	Meng Li	Zhejiang University

P3-029	30262	Bionic Research of Mechanical Sensing Elements Inspired by Venus Flytrap Hair Sensilla	Poster	Ze zhong James Lu	Soochow University
P3-030	30261	Flexible attachment mechanism with coupling effect of vacuum adsorption and dry adhesion	Poster	Qingsong Yuan	Nanjing University of Aeronautics and Astronautics
P3-031	30255	Investigation of drag reduction mechanism of avian tail in gliding	Poster	Jialei Song	Dongguan University of Technology
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P3-033	30224	Dually Responsive Bio-inspired Photonic Crystal Based on Localized Modification of Morpho Butterfly Wings	Poster	Hao Xue	Jilin University
P3-034	30215	A bio-inspired fiber metal laminate with multiple helical structures for enhancing mechanical property	Poster	Pinkun Wang	Jilin University
P3-035	30194	Finite element simulation of the hind wing of the beetle	Poster	Xin Li	Suqian University
P3-036	30184	A skin inspired multifunctional biomass nanofibrous bilayer dressing for wound healing	Poster	hao li	wuhan university
P3-037	30171	Study on aluminophobic properties of honeycomb porous alumina cladding	Poster	Junting Zhuo	Lanzhou University of Technology
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P3-039	30120	Study on surface fabrication and drag reduction performances of gradient hydrophobic aluminum alloy	Poster	Qian Zhang	Changchun University of Science and Techology
P3-040	30145	Application of superhydrophobic coating for integrated buoyancy enhancement and drag reduction	Poster	Ruoyu Sun	Southwest Jiaotong University
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P3-042	30113	3D printing of octopi-inspired hydrogel suckers with controllable dynamic adhesion	Poster	Yixian Wang	Northwest Minzu University
P3-043	30108	Bioinspired Construction of Helicoidal Catalytic Ceramics with Bouligand Architectures through Additive Manufacturing	Poster	Xin Xu	Shihezi University
P3-044	30073	Bionic erosion resistance mechanism based on boundary layer disturbance theory	Poster	Xuwen Zhao	Tianjin University of Science & Technology
P3-045	30092	A CFD Simulation on Liquid Aluminum Drag Reduction with Bionic Riblets	Poster	Huaming Sun	Lanzhou University of Technology
P3-046	30084	Bioinspired liquid directional transport for efficient fog collecting	Poster	Haoyu Bai	Tianjin University
P3-047	30069	Laser fabrication and anti-icing performance of superhydrophobic titanium alloy surfaces	Poster	Chunfang Guo	Donghua University
P3-048	30065	Hagfish-inspired Smart SLIPS Marine Antifouling Coating Based on Supramolecular: Lubrication Modes Responsively Switching and Self-healing Properties	Poster	Zheming Tong	Zhejiang University
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P3-051	30037	Elytra coupling of a ladybird (Coccinella septempunctata) affects energy absorption during impact	Poster	Jie Zhang	Sun Yat-sen University
P3-052	30027	Effects of bionic hemispherical crater morphology on adsorption force and sealing performance of suction cups	Poster	Jin Xu	Jilin University
P3-053	30026	Bionic design of lunar rock dig-grab-move robotic arm	Poster	Kaixiang Chen	Jilin University
P3-054	30025	Precise Droplet Manipulation on Reprogrammable Shape Memory Micropillars	Poster	Yanlong Shao	Jilin University
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P5-005	50421	Accurate modelling and control of magnetically driven multifunctional microrobots	Poster	Qiong Wang	Southeast University
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