

PRELIMINARY PROGRAM of ICAFPM 2019

Plenary Session

Nov. 20 Morning

Venue: No. 1 Conference Hall

8:30-8:45	Opening Ceremony		
Plenary Lecture	Moderator: Junhao Chu		
8:45-9:15	Ray Baughman	Sheath-Run Artificial Muscles and Their Use for Robotics, Environmental Energy Harvesters, Comfort	University of Texas at Dallas
Plenary Lecture	Moderator: Mingyuan He		
9:15-9:45	Brigitte Voit	Polymers designed for flexible and opto-electronics	Leibniz Institute of Polymer Research Dresden
Group Photo & Coffee Break 20 min			
10:05-10:35	QIAN Baojun Fiber Award Ceremony		
Award Lecture	Moderator: Stephen Cheng		
10:35-11:00	Darrell H. Reneker	Inside nanofibers toward Nanoware devices	The University of Akron
Plenary Lecture	Moderator: Changsheng Liu		
11:00-11:30	Hiroshi Kitagawa	Solid-state protonic in Coordination Polymers	The University of Kyoto
Plenary Lecture	Moderator: Kuiling Ding		
11:30-12:00	Jianyong Yu	Functional Nanofibrous Materials	Donghua University

Nov. 22 Morning

Venue: No. 1 Conference Hall

Plenary Lecture	Moderator: Deyue Yan		
8:30-9:10	Zhongfan Liu	Graphene Materials: Synthesis Determines the Future	Peking University
Plenary Lecture	Moderator:		
9:10-9:40	Philippe Poulin	Wet-Spun Nanocomposite Fibers	CNRS Bordeaux
Plenary Lecture	Moderator:		
9:40-10:10	Jaehwan Kim	Environmental-friendly, strong and tough long-fiber fabrication by using nanocellulose	Inha University
Coffee Break 20 min			
Plenary Lecture	Moderator:		
10:30-11:00	Charl Faul	Electroactive Polymeric Materials – from Supramolecular Polymers to 3D Networks	University of Bristol
Plenary Lecture	Moderator:		
11:00-11:30	Gang Sun	Biological and Chemical Sensors Made from Microporous and Nanofibrous Membranes	University of California, Davis
11:30-12:00	Closing Ceremony		

PRELIMINARY PROGRAM of ICAFPM 2019

Parallel Session

Nov. 20 Afternoon

Venue: No. 1 Conference Hall

Session C				
Moderator: Fan Zhang, Xin Zhao				
Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Xin Zhao	Two-dimensional covalent organic frameworks with hierarchical porosities	Shanghai Institute of Organic Chemistry, CAS
13:25-13:45	Invited	Yingjie Zhao	Two-dimensional polymers: next generation of polymers	Qingdao University of Science and Technology
13:45-14:05	Invited	Yaouzu Liao	Electro-optically switchable conjugated microporous polymers for environmental and green energy applications	Donghua University
14:05-14:25	Invited	Jia Guo	Design of porous organic polymers with structure-enhanced photothermal conversion performance	Fudan University
14:25-14:45	Invited	Fan Zhang	Semiconducting 2D vinylene-linked covalent organic framework	Shanghai Jiao Tong University
14:45-15:00	Oral	Song Wang	Morphology design of covalent organic frameworks	Zhejiang University
15:00-15:15	Oral	Wei Lyu	Flexible fiber-shaped supercapacitors with excellent energy density based on carbon nanotubes/conjugated microporous polymer networks	Donghua University

Coffee Break 20 min

Session C				
Moderator: Xiangwu Zhang, Il-Doo Kim				
Time	Type	Speaker	Title	Affiliation
15:35-16:00	Keynote	Il-Doo Kim	1D materials: sensors and energy storages	Korea Advanced Institute of Science and Technology
16:00-16:25	Keynote	Xiangwu Zhang	Nanofibrous energy storage materials and laser ultrasound transducers	North Carolina State University
16:25-16:45	Invited	Honghan Fei	Functionalization of metal-organic frameworks for broadband white-light emission and chemical CO ₂ fixation	Tongji University
16:45-17:05	Invited	Jian Fang	Functional fibrous structures for mechanical energy harvesting	Soochow University
17:05-17:25	Invited	Hao Bai	Bioinspired smart materials with multiscale architecture and multifunctionality	Zhejiang University
17:25-17:45	Invited	Pingwei Liu	Archimedean spiral fibers with continuous two-dimensional inclusions	Zhejiang University
17:45-18:00	Oral	Addie Bahi	Nanofibres for the environment: transitioning toward sustainability	The University of British Columbia
18:00-18:15	Oral	Lei Xu	Synthesis of double-shelled hollow inorganic nanospheres through block copolymer-metal coordination and atomic layer deposition	Jiangsu Academy of Agricultural Sciences

Venue: No. 2 Conference Hall

Session E				
Moderator: Joao Rodrigues, Xiangyang Shi				
Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Lu Wang	Braided stents for aortic and peripheral artery diseases	Donghua University
13:25-13:45	Invited	Jidong Li	Electrospun a composite fibrous membrane for guided bone regeneration	Sichuan University
13:45-14:05	Invited	Wenguo Cui	Hydrogel electrospun fibrous scaffolds for tissue regeneration	Shanghai Jiao Tong University
14:05-14:25	Invited	Xiumei Mo	Electrospun 3D nanofiber for tissue engineering	Donghua University
14:25-14:45	Invited	Xiaohong Li	Electrospun fibrous scaffolds for in vitro drug screening and biosensing	Southwest Jiaotong University
14:45-15:00	Oral	Dong Lei	3D printing of biomimetic vasculature for tissue regeneration	Donghua University
15:00-15:15	Oral	Atta ur Rehman Khan	Physico-chemical and biological evaluation of plcl/sf nanofibers loaded with oregano essential oil	Donghua University

Coffee Break 20 min

Session E				
Moderator: Bhuvanesh Gupta, Lu Wang				
Time	Type	Speaker	Title	Affiliation
15:35-16:00	Keynote	Bhuvanesh Gupta	Functional nanogels in the fascinating world of bioengineering	Indian Institute of Technology
16:00-16:25	Keynote	Xiangyang Shi	Design of dendrimer-based CT/MR contrast agent for hypoxic tumor precision imaging and sensitized radiotherapy	Donghua University
16:25-16:45	Invited	Kui Luo	Tumor microenvironment-responsive dendritic polymers-based nano-agents for cancer treatment	Sichuan University
16:45-17:05	Invited	Joao Rodrigues	Metallo-dendrimers - a route for new anticancer candidates	Universidade da Madeira
17:05-17:25	Invited	Zhigang Chen	Inorganic-organic nanocomposites for the imaging and therapy of tumors	Donghua University
17:25-17:40	Oral	Jia Tian	Construction and biomedical applications of well-defined porphyrin-based polymers with specific structures	East China University of Science and Technology
17:40-17:55	Oral	Jifu Mao	Multi-biofunctional surface constructed by flexible and conductive polypyrrole membranes and functional particles	Donghua University
17:55-18:10	Oral	Huan Chen	Adoptive cellular immunotherapy of tumors via effective cpg delivery to dendritic cells using dendrimer-entrapped gold nanoparticles as a gene	Donghua University

Venue: No. 3 Conference Hall

Session I				
Moderator: 朱美芳				
Time	Type	Speaker	Title	Affiliation
13:00-15:00	Keynote	郑强		浙江大学
15:00-15:30	Invited	朱申敏	上海交大构建材料创新人才培养体系的探索与实践	上海交通大学

Coffee Break 10 min

Session I				
Moderator: 朱申敏、马敬红				
Time	Type	Speaker	Title	Affiliation
15:40-16:10	Invited	王燕萍	以专业认证为抓手，聚焦专业内涵建设	东华大学
16:10-16:40	Invited	朱光俊		重庆科技学院
16:40-17:10	Invited	江学良	基于“五个结合”的地方高校材料类专业拔尖创新人才培养模式的改革与实践	武汉工程大学
17:10-17:40	Invited	魏丽乔	团队——科研育人的沃土	太原工业大学
17:40-17:55	Invited	王婧	智慧平台助力金课建设的思考与实践案例	化学工业出版社

Venue: No. 3 Conference Room

Session D				
Moderator: Shaoli Fang				
Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Qunfeng Cheng	Bioinspired graphene-based nanocomposites	Beijing University of Aeronautics and Astronautics
13:25-13:50	Keynote	Yongxiao Bai	Structural regulation of graphene for fiber composite materials	Lanzhou University
13:50-14:10	Invited	Zunfeng Liu	Deformable structures for flexible smart materials	Nankai University
14:10-14:30	Invited	Qingbao Guan	Highly efficient self-healable triboelectric nanogenerators for wearable electronics	Donghua University
14:30-14:50	Invited	Nannan Zhang	Hybrid energy fabric based on fiber electrodes for wearable electronics	Chongqing University

14:50-15:05	Oral	Yuliang Xia	Electrospun core-shell nanofiber with electric triggered shape memory behavior	Harbin Institute of Technology
15:05-15:20	Oral	Luzhi Zhang	A highly efficient self-healing, super tough elastomer for stretchable	Donghua University
Coffee Break 20 min				
Session D Moderator: Chengyi Hou				
Time	Type	Speaker	Title	Affiliation
15:40-16:05	Keynote	Xiangyang Liu	Silk flexible electronics: meso-construction of biocompatible silk-hybrid materials to acquire extraordinary performance and smart sensing	National University of Singapore
16:05-16:25	Invited	Gang Wang	Shear printed semiconductor electronics for smart fabrics	Donghua University
16:25-16:45	Invited	Yongyi Zhang	The fabrication and functional applications of high performance carbon nanotube fiber	Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences
16:45-17:05	Invited	Qingsong Zhang	Biomimetic thermo-responsive fibrous hydrogels: highly mechanical strength and ultra-fast response underwater	Tiangong University
17:05-17:20	Oral	Daniel Kinyanjui Macharia	Photoreversible colorswitching of rewritable smart fabrics driven by UV/NIR light	Donghua University
Venue: No. 7 Conference Room				
Session A Moderator: Alan Kin Tak Lau				
Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Jinsong Leng	Programmable shape memory polymer composites and 4D printing: from materials, structures to applications	Harbin Institute of Technology
13:25-13:50	Keynote	Junrong Yu	Effect of solution concentration on tensile and creep behavior of gel-spun uhmwpe fibers	Donghua University
13:50-14:10	Invited	Xiangqian Li	The need for improvement of current composites testing standards for engineering application	AECC Commercial Aircraft Engine Co. LTD
14:10-14:30	Invited	Kun Fu	Ultra-fast, energy-efficient, and mechanically robust nano-welding by localized electrothermal shock towards hybrid nano/macroscale fiber composite manufacturing	University of Delaware
14:30-14:50	Invited	Yitao Liu	Interface-engineered nanofibrous heterojunctions as high-efficiency electrocatalysts toward ambient ammonia synthesis	Donghua University
14:50-15:05	Oral	Mengjiao Cheng	Macroscopic interfacial supramolecular assembly	Beijing University of Chemical Technology
15:05-15:20	Oral	Qingbao Guan	In situ nanofiber-reinforced molecular composites	Donghua University
Coffee Break 10 min				
Session A Moderator: Jinsong Leng				
Time	Type	Speaker	Title	Affiliation
15:30-15:55	Keynote	Alan Kin Tak Lau	Recent research development in fibre reinforced polymer composites for engineering applications	Swinburne University of Technology
15:55-16:20	Keynote	Liquan Zhang		
16:20-16:40	Invited	Guozhang Wu	Thermoplastics reinforced by self-welded short carbon fibers: a nanoparticle-promoted structure evolution	East China University of Science and Technology
16:40-17:00	Invited	Yong Zhang	Preparation of thermally conductive silicone rubber composites	Shanghai Jiao Tong University
17:00-17:20	Invited	Juan Guan	Natural silk reinforced epoxy resin composites: design, fabrication and mechanical properties	Beijing University of Aeronautics and Astronautics
17:20-17:35	Oral	Jie Dong	Large-scale preparation and application of high performance polyimide	Donghua University
17:35-17:50	Oral	Lianying Liu	Multi-scale modification of carbon fiber by in-situ growth of clickable polymer micro-/nano-particles	Beijing University of Chemical Technology
17:50-18:05	Oral	Dan Pan	Tuning the interfacial property of fiber reinforcement composite by constructing 3D structure on fiber surface	Donghua University
18:05-18:20	Oral	Shu Zhu	Highly boosting the interlaminar shear strength of CF/PEEK composites applied in civil aviation	Donghua University
Venue: 七楼会议室				
Session B Moderator: Gang Sun, Weiwei Zuo				
Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Mingqiu Zhang	Self-healing polymeric materials: design, preparation and characterization	Sun Yat-sen University
13:25-13:50	Keynote	István Bányai	Unusual nmr methods for advanced fibers and polymers	University of Debrecen
13:50-14:15	Keynote	Hiroshi Jinnai	Dynamical characterizations of organic-inorganic interface in nano-composite materials using advanced electron microscopy	Tohoku University
14:15-14:35	Invited	Masayuki Takatera	Important subjects on prediction of fabric properties from yarn and fabric structure	Shinshu University
14:35-14:55	Invited	Yuetao Zhang	Ultra-high-molecular-weight polymers produced by the "immortal" phosphine-based "frustrated lewis pair" catalyst system	Jilin University
14:55-15:15	Invited	Zhengwei You	Biomimetic materials with multiple protective functionalities	Donghua University
15:15-15:30	Oral	Yueming Wu	Moisture insensitive and superfast ring opening polymerization of n-carboxyanhydrides	East China University of Science and Technology
Coffee Break 20min				
Session B Moderator: Changhui Ye				
Time	Type	Speaker	Title	Affiliation
15:50-16:15	Keynote	Bernard Lotz	Pleated and rippled sheets of polyamides: The "high temperature" alpha phases of nylons: A structural scheme for the Brill transition.	CNRS and Université de Strasbourg
16:15-16:40	Keynote	Dirk Kuckling	Light-triggered degradation in aliphatic poly(carbonate)s via intramolecular cyclization	Paderborn University, University of Muenster,
16:40-17:00	Invited	Jiefei Qi	An investigation of the thermal and (bio) degradability of PBS copolyesters based on isosorbide	SAIC-GM
17:00-17:15	Oral	Yang Liu	Measurement of fabric shear in drape taking into account three-dimensional deformation of grainlines	Shinshu University
Nov. 21 Morning				
Venue: No. 1 Conference Hall				
Session C Moderator: Hans-Juergen P. Adler				
Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Yong Zhao	Multiscale nanofibers for liquid separation and catalysis application	Beihang University
8:25-8:45	Invited	Tao Li	Interfacial design towards mof@polymer and mof@mof porous composite materials	Shanghai University of Science and Technology
8:45-9:05	Invited	Mingwei Tian	Stretchable conductive fibers of ultrahigh tensile strain and stable conductance enabled by a worm-shaped graphene microlayer	Qingdao University

9:05-9:25	Invited	Junjie Zhao	Conformal metal-organic framework coatings on nanofibers for ultra-fast detoxification of nerve agents	Zhejiang University
9:25-9:45	Invited	Huan Liu	Fibrous controllable liquid transfer: towards high-performance thin-film devices	Beihang University
Coffee Break 15 min				
Session C Moderator: Yong Zhao				
Time	Type	Speaker	Title	Affiliation
10:00-10:25	Keynote	Hans-Juergen P. Adler	Thin and Small for the Future Nanolayers and Nanoparticles-Synthetic Routes and Applications	Technical University of Dresden
10:25-10:45	Invited	Lei Li	Scale-up preparation and application of microporous organic polymers	Xiamen University
10:45-11:05	Invited	Hongbing Deng	Applications of nanofibers-based composite scaffolds in bone defects	Wuhan University
11:05-11:25	Invited	Kun Huang	Synthesis and application of yolk-shell structural porous polymer	East China Normal University
11:25-11:45	Invited	Le Wang	Heterogeneous scorpionate site in MOF: Small molecule binding and activation	Donghua University
11:45-12:00	Oral	Abdul Wahid	Study of ps filament morphology, mechanical properties and oil sorption application	Key laboratory of Textile Science & Technology, Ministry of Education:
Venue: No. 2 Conference Hall				
Session E Moderator: Chuanliang Feng, Zhigang Chen				
Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Biqiong Chen	Exploring elastomeric biomaterials for multiple medical applications	Queen's University Belfast
8:25-8:45	Invited	Xing Zhang	Bio-inspired polymeric heart valves exhibiting valve-like mechanical and hemodynamic behavior	Institute of Metal Research, Chinese Academy of Sciences
8:45-9:05	Invited	Weian Zhang	Construction of porphyrin-containing well-defined polymers and their application in photodynamic therapy	East China University of Science and Technology
9:05-9:25	Invited	Zhengwei You	Bioelastomers, 3D printing and their diverse applications	Donghua University
9:25-9:40	Oral	Baoxiu Wang	Urethra-inspired biomimetic scaffold: A therapeutic strategy to promote angiogenesis for urethral regeneration in a rabbit model	Donghua University
9:40-9:55	Oral	Gaoquan Hu	Preparation and evaluation of mercerized bacterial nano-cellulose artificial blood vessels	Donghua University
Coffee Break 15min				
Session E Moderator: Biqiong Chen, Zhengwei You				
Time	Type	Speaker	Title	Affiliation
10:10-10:35	Keynote	Chuanliang Feng	Bioinspired chiral supramolecular hydrogels	Shanghai Jiao Tong University
10:35-10:55	Invited	Qigang Wang	The biological oxidation inspired biomedical hydrogels	Tongji University
10:55-11:15	Invited	Runhui Liu	Host defense peptide mimicking antimicrobial polymers in solution and on surfaces	East China University of Science and Technology
11:15-11:30	Oral	Yifan Guo	A biodegradable functional water-responsive shape memory polymer for biomedical applications	Donghua University
11:30-11:45	Oral	Luhan Bao	The application of air-drying BNC tubes as small-caliber artificial blood vessels	Donghua University
11:45-12:00	Oral	Shahriari Khalaji Mina	Development a Multi-functional Wound Dressing Using Bacterial Nanocellulose	Donghua University
Venue: No. 3 Conference Hall				
Session J Moderator: 王华平				
Time	Type	Speaker	Title	Affiliation
8:00-8:20	Invited	李鑫	新型聚酯纤维材料的开发及应用	中国纺织科学研究院有限公司
8:20-8:40	Invited	余木火	高性能纤维及复合材料研究与应用进展	东华大学
8:40-9:00	Invited	夏延致	海洋生物多糖纤维制备应用研究及产业化进展	青岛大学
9:00-9:20	Invited	王明稳	无熔融抗氧化聚苯硫醚纤维的制备及其性能研究	天津工业大学
9:20-9:40	Invited	吉鹏	Research and application progress of high quality dope dyed and functional masterbatch technology	东华大学
Coffee Break 30 min				
Session J Moderator: 陈龙				
Time	Type	Speaker	Title	Affiliation
10:10-10:30	Invited	王松林	锦纶6产业链发展及展望	恒逸石化股份有限公司
10:30-10:50	Invited	任杰	聚乳酸纤维(乳丝)的生产加工、应用及展望	同济大学
10:50-11:10	Invited	李发学	纤维素纤维的功能化与产业化	东华大学
11:10-11:30	Invited	李乃祥	生物可降解共聚酯的产业化进展	中国石化仪征化纤有限责任公司
11:30-11:50	Invited	Nanbiao Ye(待定)	Application of blond advanced polyamide material in automobile	金发科技股份有限公司
Venue: No. 3 Conference Room				
Session D Moderator: Gang Wang				
Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Changjun Fu	The study on no halogen fr-polyamide fibers and the composite yarns	上海安凸阻燃纤维有限公司
8:25-8:50	Keynote	Shaoli Fang	The evolution of strong, fast, powerful, durable, and cheap polymer artificial muscles from carbon nanotube muscles	University of Texas at Dallas
8:50-9:10	Invited	Yun Su	Intelligent bidirectional thermal regulation of phase change material incorporated in thermal protective clothing	Donghua university
9:10-9:30	Invited	Yingying Zhang	Silk-based electronic fibers and textiles	Tsinghua University
9:30-9:50	Invited	Zhisong Lu	A wearable, thread/paper-based microfluidic device coupled with smartphone for sweat analysis	Southwest University
Coffee Break 20min				
Session D Moderator: Gang Wang				
Time	Type	Speaker	Title	Affiliation
10:10-10:30	Invited	Junyi Zhai	Core-shell-yarn-based triboelectric nanogenerator textiles as power cloths	Beijing Institute of Nanoenergy and Nanosystems, CAS
10:30-10:50	Invited	Chengyi Hou	Smart clothing materials	Donghua University
10:50-11:05	Oral	Lijie Sun	Ionogel-based, highly stretchable, transparent, durable triboelectric nanogenerators for energy harvesting and motion sensing over a wide temperature range	Donghua University
11:05-11:30	Keynote	Seeram	Smart wearables: nanotechnology & nanofibers	National University of Singapore
Venue: No. 7 Conference Room				
Session A Moderator: Yong Zhang				
Time	Type	Speaker	Title	Affiliation

8:00-8:25	Keynote	Ming Tian	Surface modification of high performance fibers and its effect on interfacial adhesion of elastomer composites	Beijing University of Chemical Technology
8:25-8:45	Invited	Anqi Ju	Preparation and application of high performance carbon fiber	Donghua University
8:45-9:05	Invited	Xiaoran Li	Nanofibrous scaffolds for tissue engineering	Donghua University
9:05-9:20	Oral	Fenghua Zhang	4D printing of programmable shape memory structures for biomedical applications	Harbin Institute of Technology
9:20-9:35	Oral	Fujun Xu	High performance, multifunctional three dimensional composite structures	Donghua University
9:35-9:50	Oral	Longbo Luo	Preparation of high performance heterocyclic aramid fibers with enhancing compressive strength	Sichuan University
Coffee Break 10 min				
Session F Moderator: Jinlian Hu, Jean Jacques Gaumet				
Time	Type	Speaker	Title	Affiliation
10:00-10:25	Keynote	Samuel Chigome	Electrospinning: a material fabrication technique for addressing africa's current and future challenge	Botswana Institute for Technology Research and Innovation
10:25-10:50	Keynote	Yaopeng Zhang	Silk fibers and functional materials	Donghua University
10:50-11:15	Keynote	Xungai Wang	The sustainability challenge for the fibre and textile industries	Deakin University
11:15-11:35	Invited	Suna Fan	Super strong and intrinsically fluorescent silkworms silk from carbon nanodots feeding	Donghua University
11:35-11:50	Oral	Ming Cai	Effect of alkali treatment on interfacial bonding in abaca fiber-reinforced composites	Shanghai University Of Engineering Science
Venue: 七楼会议室				
Session G Moderator:				
Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Dong Wang	Up-scalable nanofibrous membrane materials for diverse applications in liquid/water separation and purification	Wuhan Textile University
8:25-8:50	Keynote	Yanning Sun	Polymer fibril network morphology enables high-performance organic solar cells	Beihang University
8:50-9:05	Oral	Mahsa Mafi	Novel living polymer/bacteria composites for bioremediation	University of Bayreuth
9:05-9:20	Oral	Wangliang Li	Fabrication of amidoxime-modified cellulose fiber membranes and their application in uranium extraction from seawater	Institute of process Engineering
9:20-9:35	Oral	Yan Zhang	Construction of cadmium sulfide based semiconductor heterojunctions on carbon fibers for purifying wastewater under visible-light	Donghua University
9:35-9:50	Oral	Bo Zhu	Flexible and washable photothermal nonwoven fabric for solar-driven seawater desalination	Donghua University
Coffee Break 20 min				
Session G Moderator:				
Time	Type	Speaker	Title	Affiliation
10:10-10:35	Keynote	Shenmin Zhu	Assembly of fibers from colloidal liquid crystals based on low-dimensional materials: preparation and properties	Shanghai Jiao Tong University
10:35-10:55	Invited	Yuanlong Shao	Printed flexible and wearable energy storage devices	Soochow University
10:55-11:10	Oral	Zixiao Liu	Hanging photothermal fabrics for solar seawater desalination	Donghua University
11:10-11:25	Oral	Shuo Cong	Janus fibrous membranes for water treatment by membrane distillation	Dalian University of Technology
12:00-12:45 Lunch				
12:45-14:15 Poster				
Nov. 21 Afternoon				
Venue: No. 1 Conference Hall				
Session C Moderator: Xiaoyu Li, Kazutoshi Haraguchi				
Time	Type	Speaker	Title	Affiliation
14:15-14:40	Keynote	Xinhua Wan	Pasteur's crystallization revisited: a novel chiral separation strategy by mimicking magnetic beneficiation	Peking University
14:40-15:00	Invited	Zhijuan Sun	Nano-voided membranes embedded with hollow zwitterionic nanocapsules for superior desalination performance	Zhejiang University of Technology
15:00-15:20	Invited	Kai Liu	Reversibly photo-modulating mechanical performance of engineered protein fibers	Changchun Insitute of Applied Chemistry,CAS
15:20-15:40	Invited	Xiaoyu Li	Hierarchical nanostructures via an initiated supramolecular polymerization method	Beijing Instiute of Technology
Coffee Break 20min				
Session C Moderator: Xinhua Wan				
Time	Type	Speaker	Title	Affiliation
16:00-16:25	Keynote	Kazutoshi Haraguchi	Recent progresses in new functions of advanced nanocomposite gel	Nihon University
16:25-16:45	Invited	Xiaoze Jiang	Preparation of hyperbranched multimethacrylate polymers containing benzene and urethane moieties and its application in dental composites with combined high performance properties	Donghua University
16:45-17:05	Invited	Weihua Liu	Study on the free radicals induced by gamma rays in polyacrylonitrile nano-fibers using electron spin resonance spectroscopy	Shanghai Institute of Applied Physics
17:05-17:20	Oral	Lei Wang	2D conjugated polymer nanosheets for photocatalytic overall water	University of Science and Technology of China
Venue: No. 2 Conference Hall				
13:00-15:00 111 Project Meeting				
Session E Moderator: Peiyi Wu				
Time	Type	Speaker	Title	Affiliation
15:10-15:30	Invited	Jun Wu	Amino acid based polymers for biomedical applications	Sun Yat-sen University
15:30-15:45	Oral	Qi Chen	An effective platform for study and discover functional peptides in regulating cell behaviors	East China University of Science and Technology
15:45-16:00	Oral	Haibin Yuan	A biodegradable antibacterial nanocomposite based on oxidized bacterial nanocellulose for fast hemostasis and wound healing	Donghua University

Coffee Break 20 min				
Session E				
Moderator: Xiumei Mo, Bo Zhu				
Time	Type	Speaker	Title	Affiliation
16:20-16:45	Keynote	Peiyi Wu	Smart skin-like materials	Donghua University
16:45-17:05	Invited	Bo Zhu	Smart PEDOTs to selectively electro-couple cells	Shanghai University
17:05-17:20	Oral	Ping Wu	Biomedical applications using entropic wetting and thermodynamics of	Singapore University of Technology and Design
17:20-17:35	Oral	Huixia Xuan	Biofunctionalized chondrogenic shape-memory ternary scaffolds for efficient cell-free cartilage regeneration	Donghua University
17:35-17:50	Oral	Reza Assefi Pour	Colorimetric assay and antibacterial activity of wool fabrics treated with alum/m-tgase and dyed with madder	Donghua University
Venue: No. 3 Conference Hall				
Session J				
Moderator:				
Time	Type	Speaker	Title	Affiliation
14:15-14:35	Invited	王栋	智能响应性纤维材料的开发及产业化	武汉纺织大学
14:35-14:55	Invited	李方	纤维微塑料的产生与预防机制	东华大学
14:55-15:15	Invited	陈焯	废旧聚酯纤维制品资源再生循环技术发展	东华大学
Meet Editor				
Moderator:				
15:35-16:05	Invited	Bo Liu	Publishing in Nature Journals	Springer Nature
Coffee Break 20min				
16:20-16:50	Invited	Jiqing Sun	Publishing with Physical Science in Cell Press	Cell Press
16:50-17:20	Invited	Meifang Zhu, Fatemeh Zabihi	Introduction on Advanced Fiber Materials published by Springer Nature Group	Donghua University
17:20-17:50	Invited	Yingjuan Huang	Publishing in Polymer Science from China	Chinese Journal of Polymer Science, Acta Polymerica Sinica
17:50-18:20	Invited	To be Confirmed		
Venue: No. 3 Conference Room				
Session H				
Moderator: Xuesong Jiang, Wei Lin Leong				
Time	Type	Speaker	Title	Affiliation
14:15-14:30	Invited	Xiangdong Liu	"Mist polymerization" method for fabricating superhydrophobic cotton fabrics	Zhejiang Sci-Tech University
14:30-14:45	Invited	Xiong Pu	Energy harvesting and storage devices for E-textiles and stretchable electronics	Beijing Institute of Nanoenergy and Nanosystems, CAS
14:45-15:00	Invited	Xian Feng	Ultralarge mode area chalcogenide photonic crystal fiber for 100-W high-power mid-infrared applications	Jiangsu Normal University
15:00-15:15	Invited	Lei Wei	Advanced functional semiconductor fibers	Nanyang Technological University
15:15-15:30	Invited	Xianlei Shi	Application of polymer fibers for supported catalysis in feasible practice	Henan Polytechnic University
15:30-15:45	Invited	Shuguang Yang	Polymer complexation for adaptive fibers	Donghua University
15:45-16:00	Invited	Yao Tang	A compact tactile sensor based on optical micro/nanofiber for tissue stiffness detection	Zhejiang University
Coffee Break 15min				
Session H				
Moderator: Lei Wei, Xian Feng				
Time	Type	Speaker	Title	Affiliation
16:15-16:30	Invited	Xuesong Jiang	Smart patterned polymer surface with dynamic wrinkles	Shanghai Jiao Tong University
16:30-16:45	Invited	Wei Lin Leong	Soft electronic devices using flexible, stretchable and mendable polymeric materials	Nanyang Technological University
16:45-17:00	Invited	Daosheng Deng	In-fiber nanostructures produced by fluid instability	Fudan University
17:00-17:15	Invited	Tonglei Cheng	Investigation of the nonlinear effect in the mid-infrared microstructured optical fibers	Northeastern University
17:15-17:30	Invited	Jiangtao Hu	Fe ₃ O ₄ nanowire arrays on flexible polypropylene substrates and its potential application	Shanghai Institute of Applied Physics
17:30-17:45	Invited	Li Liu	Preparation of silver nanowires film with enhanced conductivity via surfactant treatment	Shanghai University
17:45-18:00	Invited	Limin Xiao	Recent advances in low-loss splicing photonic crystal fibers	Fudan University
18:00-18:15	Invited	Guanshi Qin	All-solid fluorotellurite fibers and their applications	Jilin University
Venue: No. 7 Conference Room				
Session F				
Moderator: Shengjie Ling, Benjamin S. Hsiao				
Time	Type	Speaker	Title	Affiliation
14:15-14:40	Keynote	Jean Jacques	Engineering new materials from biomass: multiple applications of fibers in	University of Lorraine
14:40-15:05	Keynote	Jinlian Hu	Artificial spider silk: a supertough fiber with a simple strategy	Hong Kong Polytechnic University
15:05-15:30	Keynote	Guosong Chen	Chemical control on glycopolymer self-assembly with immunological applications	Fudan University
15:30-15:55	Invited	Bin Fei	Smart silk fibers with core-sheath structure and functional fillers	Hong Kong Polytechnic University
15:55-16:10	Oral	Jian Lin	Phenolated wheat straw lignin based activated carbon fibers	Beijing Forest University
Coffee Break 10 min				
Session F				
Moderator: Xungai Wang, Samuel Chigome				
Time	Type	Speaker	Title	Affiliation
16:20-16:45	Keynote	Benjamin S. Hsiao	Sustainable water purification using biomass nanofibers	Stony Brook University
16:45-17:10	Keynote	Daniel Söderberg	Challenges for fabrication of fibers from nanocellulose	KTH Royal Institute of Technology
17:10-17:35	Keynote	Yiqi Yang	Pure keratin fibers from poultry feathers	University of Nebraska-Lincoln
17:35-17:55	Invited	Shengjie Ling	Animal silks as inspirations for smart fiber designs	Shanghai University of Science and Technology
17:55-18:15	Invited	Shiyan Chen	A strategy to construct self-reinforced nonswelling high-strength bacterial cellulose hydrogels	Donghua University
17:10-18:25	Oral	Xiang Yao	Critical areas of adhesion and proliferation of single cells revealed via material techniques of surface patterning	Fudan University
Venue: 七楼会议室				
Session G				
Moderator:				
Time	Type	Speaker	Title	Affiliation
14:15-14:40	Keynote	Huisheng Peng	The rising fiber electronics	Fudan University
14:40-15:00	Invited	Yuee Miao	Electrospun polymer nanofiber separators for lithium batteries	Donghua University
15:00-15:15	Oral	Shuo Chen	A single integrated 3D-printing process customizes elastic and sustainable triboelectric nanogenerators for wearable electronics	Donghua University

15:15-15:30	Oral	Mike Tebyeteckerwa	Wearable devices of nanofibers coated yarns (ncy)	The Australian National University
15:30-15:45	Oral	Peiyun Li	Enhancing pervaporation dehydration performance by manipulating the interfacial interactions via introducing polyethyleneimine	Donghua University
Coffee Break 20 min				
Moderator:				
Time	Type	Speaker	Title	Affiliation
16:05-16:30	Keynote	Guangming Chen	Carbon nanotube-related thermoelectric composites and flexible devices	Shenzhen University
16:30-16:45	Oral	Wei Sun	A facile strategy for fabricating the hierarchical nanocomposites of 1D V ₂ O ₅ nanowire on 3D N-doped carbon materials with synergistic	Donghua University
16:45-17:00	Oral	Bhupender Pal	A scalable, flexible and ultralight hybrid supercapacitor system design and implementation using renewable materials	Universiti Malaysia Pahang

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Poster Presentations

P-A-01	Preparation, stabilization and carbonization of a novel polyacrylonitrile-based carbon fiber precursor	Caizhen Zhu	Shenzhen University
P-A-02	Effect of compatibility on morphology and properties of polypropylene/coir fiber composites	Chaoqun Li	Hainan University
P-A-03	Ultrafast self-healing and injectable conductive hydrogel for strain and pressure sensors	Fengming Ye	Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences
P-A-04	New comonomer for polyacrylonitrile-based carbon fiber: density functional theory study and experimental analysis	Huichao Liu	Shenzhen University
P-A-05	Preparation and properties of PVA fibers reinforced with go nanoribbons derived from unzipping of SWNTs	Xike Xiong	Soochow University
P-A-06	Effect of TiO ₂ on the spinability, structure and property of polyester industrial yarn	Yan Liu	Donghua University
P-A-07	Structure and performance changes of polyester fiber under various water drawing conditions	Yang Zhang	Donghua University
P-B-01	Preparation and comprehensive properties of lightweight carbon/carbon fiber composite	Bo Tang	Donghua University
P-B-02	An overview of industrialization development of lightweight carbon/carbon fiber composite for high temperature furnace	Bo Tang	Donghua University
P-B-03	Preparation and study of high temperature resistant polyphenylene sulfide fiber	Guofeng Yang	Tiangong University
P-B-04	A novel acyclic host built by size incommensurate nano-building blocks	Jia Chen	Donghua University
P-B-05	Synthesis of four-armed star-shaped poly(N,N-diethylacrylamide) by group transfer polymerization in the presence of hydrosilylane	Jian Li	Changchun University of Science and Technology
P-B-06	Improvement of elasticity of bio-based poly(trimethylene terephthalate) fibers via addition of graphene	Jun Sun	Soochow University
P-B-07	Effect of NASCN content on the rheological behavior of PAN/NASCN aqueous solution	Lingdong Shi	Donghua University
P-B-08	Antibacterial and anti-fibrillation modification of lyocell fibers	Tiehan Wang	Donghua University

P-B-09	A novel waterborne fluorescent nano-fiber membranes with effectively suppressed agq phenomenon: fabrication, properties and applications	Weili Li	Jiangsu University of Science and Technology
P-B-10	Preparation and characterization of carbon fiber reinforced multi-phase epoxy syntactic foam filled with carbon fiber reinforced hollow epoxy microspheres and hollow glass microspheres	Ying Wang	Shanghai Maritime University
P-B-11	Fast preparation of high molecular weight polypeptide by ring opening polymerization of n-carboxyanhydrides (NCA) outside of the glovebox	Yueming Wu	East China University of Science and Technology
P-B-12	Hydraulic permeability of quasi-parallel fibrous membranes by electrospinning	Zeman Liu	Dalian University of Technology
P-C-01	The structure and property study for PA6/'soluble' TiO ₂ nanocomposite fiber materials	Hailong Yu	Donghua University
P-C-02	Fabrication of the nerve agent detecting device with high sensitivity and selectivity	Jianan Weng	Shanghai University
P-C-03	Multiple superwetable nanofiber arrays by a controllable dewetting strategy	Zhongxue Tang	Beihang University
P-D-01	A simple and high efficient approach to improve mechanical strength of carbon nanotube fibers via uv-initiated click reaction	Daohong Zhang	South-Central University for Nationalities
P-D-02	Prepolymerization-assisted fabrication of an ultrathin immobilized layer to realize a semi-embedded wrinkled AGNW network for a smart electrothermal chromatic display and actuator	Hongwei Fan	Donghua University
P-D-03	Mxene-based flexible Li ⁺ -capacitors and micro-supercapacitors	Jianmin Li	Donghua University
P-D-04	A highly ionic conductive poly(methyl methacrylate) composite electrolyte with garnet-typed Li _{6.75} La ₃ Zr _{1.75} Nb _{0.25} O ₁₂ nanowires	Jianqi Sun	Donghua University
P-D-05	Zns-Cds-TaON nanocomposites with enhanced stability and photocatalytic hydrogen evolution activity	Lin An	Donghua University
P-D-06	Highly efficient self-healable and dual responsive hydrogel-based deformable triboelectric nanogenerators for wearable electronics	Qingbao Guan	Donghua University
P-D-07	Nanoshell-wrapped carbon nanotube-SnS ₂ (MoS ₂) composites for flexible, stretchable and	Qiufan Wang	South-Central University for

	water-proof asymmetric supercapacitors		Nationalities
P-D-08	Bioinspired strong graphene-based nanocomposites for flexible energy storage	Tianzhu Zhou	Beihang University
P-D-09	Continuous and scalable manufacture of amphibious energy yarns and textiles	Wei Gong	Donghua University
P-D-10	Solvatochromic structural color fabrics with favorable wearability properties	Xinbo Gong	Donghua University
P-D-11	Controlling the transformation of intermediate phase under near-room temperature for improving the performance of perovskite solar cells	Xuefei Han	Donghua University
P-D-12	Personal thermal management textiles based on large-area graphene papers	Yang Guo	Donghua University
P-D-13	Regulation of precursor solution concentration for in-Zn oxide thin film transistors	Yanping Chen	Donghua University
P-D-14	Fabrication and characterization of bio-memristor based on silk fibroin	Yi Zhang	Donghua University
P-D-15	Thermal-shrinking-induced ring-patterned boron nitride wrinkles on carbon fibers	Yinlong Tan	National University of Defense Technology
P-D-16	聚丙烯酸修饰的氧化锌玻璃毛细管用于增强肿瘤标志物免疫荧光检测	Zhijia Wu	Donghua University
P-E-01	"Transformed" Fe ₃ S ₄ tetragonal nanosheets: a high-efficiency and body-clearable agent for magnetic resonance imaging guided photothermal and chemodynamic synergistic therapy	Guoqiang Guan	Donghua University
P-E-02	Molecularly engineered metal-based bioactive soft materials – neuroactive magnesium ion/polymer hybrids	Lijie Sun	Donghua University
P-E-03	Impact of antifouling peg layer on the performance of functional peptides in regulating cell behaviors	Qi Chen	East China University of Science and Technology
P-E-04	Biodegradable hollow manganese/cobalt oxide nanoparticles for tumor theranostics	Qilong Ren	Donghua University
P-E-05	131I 标记的聚磷腈纳米球的制备及其肿瘤诊疗应用	Wei Zhu	Donghua University
P-E-06	Polyelectrolytes-modified biocomposite scaffold for bone tissue engineering application	Xiaojun Zhou	Donghua University
P-E-07	Ferulic acid-loaded nanofibers fabricated by coaxial electrospinning	Yaoyao Yang	University of Shanghai for Science and Technology
P-E-08	Comparison of hydrophilic PEDOTs subjected to	Yaqiong	Shanghai University

	electrostimulation: toward a long-term implantable electrode	Zhang	
P-E-09	促创面愈合的新型脂肪干细胞多孔甲壳素纳米纤维支架的制备	Yin Liu	Northeast Normal University
P-E-10	Gas foamed three-dimensional electrospinning scaffold for cell penetration	Yujie Chen	Donghua University
P-F-01	Rheology of amylopectin-cellulose blend solutions for biodegradable textile fibers	Alex Kwasi Kumi	Donghua University
P-F-02	RHMPAs based on PPC for reactive hot-melt polyurethane adhesives	Jiqing Huang	Beijing Institute of Aerospace Testing Technology
P-F-03	Strong silk fibers containing cellulose nanofibers generated by a bioinspired microfluidic chip	Li Lu	Donghua University
P-F-04	Eco-friendly construction of loose cs/pan nanofibrous composite membranes for permeability-selectivity anti-trade-off property	Lingdi Shen	Jiangsu Normal University
P-F-05	Super-strong and fluorescent silkworm silk from aggregation-induced emission (AIE) hexaphenylsilole feeding	Qi Zhan	Donghua University
P-F-06	Single molecular layer of silk nanoribbon as potential basic building block of silk materials	Qianqian Niu	Donghua University
P-F-07	Influence of chemical modifications on tensile properties and microstructure of abaca fibers	Xian Zhang	Shanghai University of Engineering and Technology
P-F-08	Preparation and application of biological furan polyester nanofibers	Xiaoran Li	Tiangong University
P-F-09	Top-down peeling bacterial cellulose to high strength ultrathin film and multifunctional fibers	Zhuotong Wu	Donghua University
P-G-01	Facile preparation of PAM/Cs/Fe ₃ O ₄ composite hydrogels for effective removal of methylene blue from aqueous solution	Cheng Zhang	Changzhou University
P-G-02	PVDF/Fe ₃ O ₄ composite nanofiber membrane with magnetic effect and coupled electret effect and its application in air filtration	Fan Liu	Zhongyuan University of Technology
P-G-03	Temperature and CO ₂ dual-responsive pickering emulsions using jeffamine M2005-modified cellulose nanocrystals	Gaihuan Ren	Zhongyuan University of Technology
P-G-04	Morphology dependent capacitive performance for nanostructured polyaniline fabricated through ice-ice interfacial polymerization in fully aqueous solution	Lifeng Yang	Donghua University
P-G-05	Modified HEC/PAA complex membranes for water-in-oil emulsion separation	Liping Zhu	Donghua University
P-G-06	Preparation and properties of anti-shrinkage	Mingwen	Tiangong University

	and anti-oxidant poly(phenylene sulfide sulfone) fibers	Wang	
P-G-07	Cone-like titanate immobilized on pan nanofibers: hierarchical architecture for effective photocatalytic property	Mingyue Zhu	Soochow University
P-G-08	Wearable wool knitwear with shape memory effect	Mohammad Irfan Iqbal	The Hong Kong Polytechnic University
P-G-09	Preparation of block copolymer-based ultrathin composite membranes on the liquid surface	Nina Yan	Nanjing Tech University
P-G-10	Highly efficient visible-light-driven nitrogen-doped porous carbon-ZnO nanocomposite photocatalysts	Xiao Chen	Nanjing University of Science and Technology
P-G-11	Degradation performance experiment of paper and straw-based seedling pot	Xizhi Jiang	Jiangsu Academy of Agricultural Sciences
P-G-12	Synthesis of novel imine-linked metal porphyrin conjugated microporous polymer with enhanced visible-light photocatalytic activity	Xu Cui	Changchun University of Science and Technology
P-G-13	Two-layer fibre mats fabricated from electrospun fibres covered on rotating spun fibres for high-efficiency air filtration	Yongzhen Li	Chinese Academy of Tropical Agriculture Sciences
P-G-14	Fe ₃ O ₄ @CNF prepared from cellulose derivative and its application in li-ion battery	Yumei Gong	Dalian Polytechnic University
P-H-01	Synthesis and characteristics of red, green, blue fluorescence carbon dots	Ling Jin	Anhui University of Technology
P-H-02	The synthesis of electrochromic polyaniline film with fast response and high optical contrast	Xiangyu Huang	Donghua University
P-H-03	Dielectric properties of polyaniline/silver nanowire composites	Yan An	Shanghai Maritime University