

Session Theme	T1 Nanostructure in High Entropy Alloys							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-316	Prof	Chang	Shou-Yi	Oral	Development of High-Entropy-Alloy Diffusion Barriers -- Thermodynamics-based Phase Stability/Separation	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-326	Mr	Chang	Kai-Chi	Oral	The structural, mechanical, thermodynamic properties of AlMo _{0.5} NbTa _{0.5} TiZr high-entropy alloy: a molecular mechanics study	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-223	Prof	Chen	Chih-Yuan	Oral	Co-Precipitation of Nano-Sized Carbide and Cu Particles in the Low Carbon Dual Phase Steel During Step Quenching and Tempering Process	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-196	Ms	Huang	Ruirui	Oral	Deformation Mechanisms and High Work Hardening of High Entropy Alloys	Concurrent Session 5	06/27/2018	10:10 - 12:00
ABST-297	Mr.	KRUK	Robert	Oral	Bandgap tunability in high entropy rare earth oxides	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-280	Ms	LI	Ruixuan	Oral	High-throughput Processing for the AlLiMgZnCu Light-weight High-entropy Alloys	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-257	Prof	Liu	Xiong-Jun	Oral	Developing ultrastable amorphous metal oxide nanotube arrays by entropy-stabilization engineering	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-44	Dr	LIU	Jiabin	Oral	Unconventional Deformation Behaviors of Nano-sized High-entropy Alloys	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-40	Dr	Ma	Yan	Oral	Dynamic shear deformation of a CrCoNi medium-entropy alloy with heterogeneous grain structures	Concurrent Session 5	06/27/2018	10:10 - 12:00
ABST-260	Mr	Sarkar	Abhishek	Oral	High entropy oxides: A new class of oxides with tailorable properties	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-475	Prof	Tsai	Che-Wei	Oral	Nanotwins deformation of CoCrFeNiGex high-entropy alloys at cryogenic temperature	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-262	Dr	Wang	Di	Oral	Atomically resolved structure homogeneity of entropy stabilized perovskite type oxides	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-270	Ms	Yadav	Surekha	Oral	Effect of TiB ₂ addition on tribological properties of (AlCrFeMnV) ₉₀ Bi ₁₀ High Entropy Alloys	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-303	Prof	Yang	Jer-Ren	Oral	Investigation of Nano-Twinning in Cantor Alloy Subject to Severe Deformation	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-152	Ms	Zhang	Qian	Oral	Atomistic Simulations for Plastic Deformation of High-Entropy Alloys AlCoCrFeNi	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-317	Dr	Zhang	Yong	Oral	New Advances in High-Entropy Alloys	Concurrent Session 1	06/25/2018	11:00 - 12:00

Session Theme	T2 Nanomaterials for Sensors, Flexible Electronics and Nanocomposites							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-501	Mr	Cho	Donghwi	Oral	Three-Dimensional Continuous Conductive Nanonetwork for Highly Stretchable and Sensitive Strain Gauge	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-101	Prof	Feng	Wei	Oral	A single-ion polymer conductor with the alternating structure for polymer electrolyte	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-371	Prof	Flores	Marcos	Oral	Surface modification of metallic nanostructured thin films by SAMs	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-277	Mr	FU	Liang-Chun	Oral	3-aminopropyl-trimethoxysilane assisted synthesis of gold nanoparticles for organic-inorganic perovskite resistive memory	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-95	Prof	He	Jun	Oral	Two-Dimensional Metal Chalcogenide Semiconductors: Design, Synthesis and Applications	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-18	Mr	Huber	Florian	Oral	ZnO nanowire ChemFET for H ₂ S sensing in the ppb regime	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-123	Dr	Kelnar	Ivan	Oral	Carbon Nanoplatelets-Aided Melt Spinning: A Way to Unique Biocompatible Polymer Fibres	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-502	Mr	Kim	Jin	Oral	Ultra Electrical Conductivity and Fracture Resistance of Non-oxidized Graphene Flake Aerogel/Epoxy Composite	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-312	Dr	Kou	Hairong	Oral	Wireless Flexible Pressure Sensor Based on Graphene/PDMS Sponge Composite for Health Monitoring	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-272	Mr	LAI	Wen-Ru	Oral	Resistive switching memory based on polypeptide-gold nanoparticles-organic/inorganic perovskite hybrid structure	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-151	Dr	Li	Dongdong	Oral	A Simple Highly Conductive Screen-Print Silver-Nanowire Ink for Flexible Transparent Conductive Films and Wearable Energy Storage Devices	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-427	Prof	LIU	Ling	Oral	Monitoring the Delamination of Composite Laminates Using Carbon Nano-Webs	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-276	Prof	NATARAJAN	T S	Oral	Studies on Electrospun Hollow Nanofibers of SnO ₂ and their Properties with Different Dopants	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-357	Mr	Neuper	Felix	Oral	Towards high-performance printed in-plane and vertical MOSFETs	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-379	Prof	Peng	Ding	Oral	Cellulose/Graphene Bioplastic for Thermal Management: Enhanced Isotropic Thermally Conductive Property by 3D-Graphene Aerogel	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-369	Mr	Prezgot	Daniel	Oral	Disentangling the Contribution of Individual and Collective Thermoplasmonic Heating in Silver Nanocrystal/Polymer Thin Film Composites	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-517	Dr	Sakulkhama emaruethai	Singto	Oral	Photocatalytic Activity in Degradation of Methylene Blue of Floating TiO ₂ -Based Photocatalysts	Concurrent Session 9	06/29/2018	10:10 - 11:45

Session Theme	T2 Nanomaterials for Sensors, Flexible Electronics and Nanocomposites							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-535	Mr	Sandhu	Samar Singh	Oral	Humidity Sensing Properties of Polyaniline-Cellulose Composite: Effects of Heterogeneous and Secondary Nucleation	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-415	Prof	Shabatina	Tatyana	Oral	Self-Assembly Nanostructures Formation in Hybrid Metal - Mesogenic Systems and Their Optical Properties	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-254	Mr	Silant'ev	Vladimir	Oral	Chitosan Bionanocomposites Formed in Self-Organized Regime	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-03	Dr	SIMONATO	JEAN PIERRE	Oral	Nanocrystallites and Dopant Engineering in PEDOT Thin Films: Understanding of a Dramatic Conductivity Enhancement	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-109	Dr	Song	Xue-Zhi	Oral	Hollow and Porous Metal Oxide Nanomaterials Derived from Metal-Organic Frameworks for High-Performance VOCs Sensing	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-305	Ms	Sun	Rui	Oral	Highly Porous Amorphous Calcium Carbonate and Its Ability to Enhance the Dissolution of Poorly Soluble Drugs	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-273	Mr	Tsai	Sung-Ta	Oral	The correlation between the sensitivity of gas sensor and the roughness of ZnO films	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-227	Ms	Vall	Maria	Oral	Nanoscale surface modification of mesoporous magnesium carbonate	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-584	Ms	Wan	Xue	Oral	Direct-Write 4D Printing of Shape Memory Poly (D,L-lactide-co-trimethylene carbonate)	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-385	Dr	Wang	Hui	Oral	Homogeneous age-hardening of Al-Sc foams via micro-alloying with Zr and Ti	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-585	Ms	Wang	Linlin	Oral	4D printing of Fe ₃ O ₄ -polylactic acid nanocomposites and their shape memory behaviors	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-288	Prof	Yao	Xi	Oral	Self-healing organogel nanocomposite for healthcare related application	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-411	Mr	ZHAN	Yuexing	Oral	3D printed hydrogel-elastomer hybrids with enhanced mechanical integrity and minimized chemical treatment	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-139	Prof	zheng	qingbin	Oral	Interconnected Graphene Networks for Highly Flexible and Sensitive Electromechanical Sensors	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-569	Mr	Zhong	Kuo	Oral	Ultrafast revealing of invisible patterns encrypted in colloidal photonic crystals by human breath	Concurrent Session 6	06/27/2018	15:45 - 18:15

Session Theme	T3 Nanomaterials for Energy and Environmental Applications							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-240	Prof	Detsi	Eric	Oral	Self-Powered Selective Electrolytic Leaching Cells	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-85	Prof	Fernandez	Paloma	Oral	Growth and characterization of Li doped ZnO micro- and nanostructures	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-533	Dr	Gheisi	Amir	Oral	How Nature Indexing Helps You Find Nanotechnology Literature and Data Efficiently	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-530	Prof	GROSDIDIER	Thierry	Oral	Modifying reactivity for hydrogen storage performance by surface mechanical attrition treatment : application to Ti-V-Cr alloys.	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-285	Dr	Herlin Boime	Nathalie	Oral	Laser pyrolysis for the synthesis of nanoparticles of interest as active materials in Li-Ion Batteries	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-58	Dr	JIA	Zhe	Oral	Recent progress of catalytic performance of metallic glass in wastewater treatment	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-153	Prof	Liao	Yaozu	Oral	Rational Design of Conjugated Microporous Polymers for Efficient Gas and Energy Storage	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-178	Prof	LIU	QI	Oral	Approaching the Capacity Limit of Lithium Cobalt Oxide in Lithium Ion Batteries via Multiple-element Doping	Concurrent Session 9	06/29/2018	10:10 - 12:25
ABST-248	Prof	Liu	Juqing	Oral	Low-Dimensional Nanocarbon Phosphors for High Performance White Light Emission	Concurrent Session 2	06/25/2018	16:20 - 18:45
ABST-275	Dr	Liu	Xu	Oral	Redox-active triazatruxene-based conjugated microporous polymers for supercapacitors	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-599	Prof	LONG	YI	Oral	Progress in thermochromic materials	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-208	Prof	Mele	Paolo	Oral	Modulation of thermoelectric properties of Al-doped ZnO thin films by nanoengineering approach	Concurrent Session 9	06/29/2018	10:10 - 12:25
ABST-365	Prof	Qiao	Li	Oral	Spontaneous Combustion of Hydrogen/Oxygen Mixtures in Nanobubbles Generated by Water Electrolysis	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-537	Dr	Shahi	Ashutosh Kumar	Oral	Novel ZnSe Nano/sub-microstructures for Photocatalysis Applications: Low Temperature Green Solvothermal Approach	Concurrent Session 4	06/26/2018	15:45 - 18:15
SPONSOR	Dr.	WANG	Zhen	Oral	Study of battery materials by multifunctional XPS surface analysis system	Concurrent Session 9	06/29/2018	10:10 - 12:25
ABST-545	Dr	Wei	Pai-Chun	Oral	Structure and phase transition in hybrid lead-halide perovskite (CH ₃ NH ₃)PbBr ₃	Concurrent Session 2	06/25/2018	16:20 - 18:45
ABST-04	Dr.	Xu	LU	Oral	Fast-screening of High Performance Core-shell Hybrid Electro-catalysts for Carbon Dioxide Utilization	Concurrent Session 9	06/29/2018	10:10 - 12:25
ABST-100	Prof	Yiyu	Feng	Oral	A High-Energy Solar Thermal Fuel Film for Fast Heat Release	Concurrent Session 9	06/29/2018	10:10 - 12:25
ABST-150	Prof	Zhou	Wei	Oral	Nanostructure-Induced TiO ₂ Array Photoelectrodes with Efficient Pollutants Degradation	Concurrent Session 7	06/28/2018	10:45 - 12:00

Session Theme	T3 Nanomaterials for Energy and Environmental Applications							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-79	Prof	Zhu	Linli	Oral	Stress-tunable phonon and thermal/electrical properties of semiconductor nanostructures	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-387	Prof	Zi	Yunlong	Oral	High-Voltage Output from Triboelectric Nanogenerator: Challenges and Opportunities	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-382	Dr	zou	Guodong	Oral	Synthesis MXene and Its Derivative for Energy and Environmental Remediation	Concurrent Session 6	06/27/2018	15:45 - 18:15

Session Theme	T4 Bulk and Gradient Metallic Nanomaterials							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-87	Dr	An	Xianghai	Oral	Improving cyclic deformation responses of Bulk Nanostructured Metallic Materials	Concurrent Session 6	06/27/2018	15:45 - 18:30
ABST-71	Prof	CALIN	Mariana	Oral	Nanostructured SPD-processed beta-type Ti-Nb-based Materials for Implant Applications	Concurrent Session 8	06/28/2018	15:45 - 18:00
ABST-26	Prof	Chen	Aiyong	Oral	Mapping the scale law for complicated deformation mechanisms of nanotwins: In-situ experiments and simulations	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-320	Dr	Chen	Aiyong	Oral	Deformation mechanisms of nanotwins	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-431	Dr	He	Shihui	Oral	Evolution of dislocation density in bainitic steels: modeling and experiments	Concurrent Session 6	06/27/2018	15:45 - 18:30
ABST-488	Dr	Huang	Tianlin	Oral	Analysis of Hall-Petch stress in a nanostructured Al-0.3%Cu	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-81	Prof	Huang	Mingxin	Oral	Ultra-strong, ductile alloys designed by dislocation engineering	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-82	Prof	Huang	Mingxin	Oral	Are twins important for twinning-induced plasticity steels?	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-349	Dr	Jiao	Zengbao	Oral	Design of ultrahigh-strength steels strengthened by nanoparticles	Concurrent Session 8	06/28/2018	15:45 - 18:00
ABST-352	Prof	Jin	Hai-Jun	Oral	Nanoporous metal with plastic plateau under compression	Concurrent Session 8	06/28/2018	15:45 - 18:00
ABST-127	Mr	Jing	Lijun	Oral	Effect of the Volume Fraction of Gradient Nanograin on the High-cycle Fatigue Behavior of Cu	Concurrent Session 6	27/06/2018	15:45 - 18:30
ABST-522	Prof	Lewandowska	Malgorzata	Oral	Nanostructured Ni-free ODS strengthened austenitic stainless steel	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-332	Prof	Li	Xiaoyan Li	Oral	Fracture Behaviors and Mechanisms of Nanotwinned Materials	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-373	Prof	Li	Yi	Oral	Effect of amorphous layer thickness on the tensile behavior of bulk-sized amorphous Ni-P/nanocrystalline Ni laminates	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-46	Prof	Liu	Yong	Oral	Microstructure and mechanical properties of Mg alloy subjected to surface mechanical attrition treatment	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-359	Mr	Ma	Yan	Oral	The Influence of Intercritical Annealing Temperature on the Microstructure and Properties of an Al-alloyed Medium-Mn Steel	Concurrent Session 8	06/28/2018	15:45 - 18:00
ABST-506	Ms	Macías García	Ana Isabel	Oral	Grain refinement of a DDQ steel by a repetitive corrugated and straightening process	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-13	Mr	OLUGBA DE	Temitope	Oral	Study of the Corrosion Properties of Nanostructured 301 Stainless Steel processed by SMAT	Concurrent Session 7	06/28/2018	10:45 - 12:25
ABST-141	Mr	Pengbo	Wei	Oral	Fatigue Resistance of NiTi Plate with Nanostructured Grain Size Gradient Surface Layer	Concurrent Session 6	06/27/2018	15:45 - 18:30
ABST-179	Prof	Shen	Tongde	Oral	Strong, Thermally Stable and Radiation-Tolerant Nanocrystalline Steel	Concurrent Session 7	06/28/2018	10:45 - 12:25
ABST-358	Dr	Song	Wenwen	Oral	Atomic Packing and Ordering Effect in Lightweight High Strength Steels	Concurrent Session 6	06/27/2018	15:45 - 18:30

Session Theme	T4 Bulk and Gradient Metallic Nanomaterials							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-102	Prof	Wang	Zhenbo	Oral	Enhanced oxidation resistance of reduced activation ferritic/ martensitic steel with a gradient nanostructured surface layer	Concurrent Session 8	06/28/2018	15:45 - 18:00
ABST-446	Prof	WU	Guilin	Oral	Improving the Ductility of Nanostructured Materials by Bimodal Lamellar Structures	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-496	Prof	Wu	Xiaolei	Oral	Strain hardening defeats shear-banding in the nanostructured layer of gradient structure	Concurrent Session 4	06/26/2018	15:45 - 18:25
ABST-441	Prof	Xin	Yunchang	Oral	The crystallographic orientation effect on Hall-Petch relation	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-176	Mr	Yan	Kai	Oral	Enhance Fatigue Resistance of Nanocrystalline NiTi by Laser Shock Peening	Concurrent Session 8	06/28/2018	15:45 - 18:00
ABST-234	Dr	Yang	Xu-Sheng	Oral	Deformation-induced martensitic transformation in 304 stainless steels caused by surface mechanical attrition treatment	Concurrent Session 4	06/26/2018	15:45 - 18:25
ABST-410	Dr	You	Zesheng	Oral	Fracture behavior of heterogeneous nanostructured metals with nanotwin bundles	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-07	Prof	Yuan	Fuping	Oral	Plastic deformation mechanisms in a severely deformed Fe-Ni-Al-C alloy with superior tensile properties	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-425	Prof	Zhang	Jinyu	Oral	Tuning the microstructure and mechanical properties of magnetron sputtered Cu-Cr thin films: The optimal Cr addition	Concurrent Session 6	06/27/2018	15:45 - 18:30
ABST-426	Prof	Zhang	Yong	Oral	Compositional Gradient Materials for High-throughput Screening	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-570	Prof	Zhang	Bo	Oral	Understanding the Pitting Behaviour Associated with the Nanoscale β -phase Precipitates for an Al-Mg Alloy	Concurrent Session 6	06/27/2018	15:45 - 18:30
ABST-09	Dr	Zhiyuan	Liu	Oral	Ultrafast consolidation of bulk nanocrystalline titanium alloy through ultrasonic vibration	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-229	Dr	ZHOU	DENGSHAN	Oral	Enhanced Strength-Ductility Synergy by Rapid Cooling from Elevated Temperatures in a Heterogeneous Cu-Zr Alloy	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-111	Prof	zhu	Xinkun	Oral	Investigation of Mechanical Properties in Gradient Cu and Cu-alloys processed by Surface Mechanical Attrition Treatment (SMAT)	Concurrent Session 3	06/26/2018	11:05 - 12:20

Session Theme	T5 Nanomaterials for Biomedical Applications							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-516	Ms	AUGUSTINE	SHINE	Oral	Nanoporous Conducting Hydrogel-Based Point of Care Device for Ultrasensitive Detection of Breast Cancer Biomarker	Concurrent Session 7	06/28/2018	10:10 - 12:00
ABST-395	Prof	Chang	Chia-Ching	Oral	Dual memory functionalities DNA guided Ni ion chain development and characterization	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-137	Dr	Chu	Zhiqin	Oral	Could diamond quantum sensors become best friends to our life?	Concurrent Session 7	06/28/2018	10:10 - 12:00
ABST-463	Prof	Chu	Jinn	Oral	The First-Ever Metallic-Glass Nanotube Array and Its Application	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-582	Prof	Chunmeng	Sun	Oral	Acid-sensitive hybrid polymeric micelles containing a reversibly activatable cell-penetrating peptide for tumor-specific cytoplasm targeting	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-11	Prof	Ciofani	Gianni	Oral	Innovative Smart Nanomaterials for Brain Cancer Therapy	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-99	Prof	Feng	Wei	Oral	Upconversion Luminescent Nanocomposites for Bio-Imaging and Detection In Vivo	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-246	Dr	GAO	Yu	Oral	Controlled Therapeutic Nanoparticles Release from Self-assembled Nanoparticle-coated Microbubble oscillations	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-552	Dr	Henke	Petr	Oral	Photoactive Nanomaterials Producing Singlet Oxygen	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-435	Prof	HU	Jinlian	Oral	A High Performance Hydroxyapatite-Polyurethane Nanocomposite Foam For Smart Bone Repairing	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-56	Prof	Huaiyu	Wang	Oral	Surface Modifications of Few-Layered Black Phosphorus for Biomedical Applications	Concurrent Session 2	06/25/2018	16:30 - 18:30
ABST-163	Mr	Lang	Tianqun	Oral	Red Blood Cell Membrane-Coated Heparanase-sensitive Micelles Delivering Docetaxel Improve Targeting Therapy of Metastatic Breast Cancer	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-29	Prof	Li	Zifu	Oral	Combined administration of DOX and TGF-beta receptor inhibitor by nanoparticle: an effective treatment against insufficient chemotherapy promoted metastasis	Concurrent Session 2	06/25/2018	16:30 - 18:00
ABST-595	Prof	Li	Jiayang	Oral	Recent Development of Interaction of Nanoparticles with Biological Systems - Implication for Biomedical Applications	Concurrent Session 2	06/25/2018	16:30 - 18:30
ABST-64	Prof	Li	Juan	Oral	Neuropeptide Y1 receptor ligands-based nanomedicine for targeted tumor imaging and therapy	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-219	Mr	Lin	Yu Sheng	Oral	Molecular mechanics simulations of adsorption configuration of single-stranded deoxyribonucleic acid (ssDNA) aptamer upon EpCAM.	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-107	Prof	Liu	Huiyu	Oral	Gold Nanoshells-based novel theranostic agents for cancer treatment	Concurrent Session 5	06/27/2018	10:45 - 12:00

Session Theme	T5 Nanomaterials for Biomedical Applications							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-83	Dr	Liu	Chang	Oral	Designing high corrosion-resistant and plastic biomaterial with ultrahigh-strength	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-168	Prof	Saarinen	Jarkko J	Oral	Antimicrobial Activity of Photocatalytically Excited TiO ₂ and ZnO Nanoparticles on Natural Fibre-Based Substrates	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-341	Mr	Su	Jia-Wei	Oral	Peptide sequence design for the highest binding affinity with different Platinum Facets using Molecular Simulation	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-148	Mr	Tang	Huayuan	Oral	Cellular Uptake of Nanoparticles Regulated by Mechanical Properties of the Nanoparticles–Membrane System	Concurrent Session 2	06/25/2018	16:30 - 18:30
ABST-91	Dr	Tsai	Pei Hua	Oral	Biocompatible open-cell Ti-based bulk metallic glass foam for bio-implant application	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-571	Prof	Wang	Lihua	Oral	Graphene nanoprobe in high sensitive and selective biosensor	Concurrent Session 7	06/28/2018	10:10 - 12:00
ABST-149	Dr	Xia	Yufei	Oral	Bridging systemic and gastrointestinal immune responses for enhanced vaccinations	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-93	Prof	Ya	Ding	Oral	Structure-Efficacy Relationship Studies on Drug-conjugated Gold Nanoparticles	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-287	Prof	Yao	Xi	Oral	Bio-inspired Surface Engineering for Antifouling Application	Concurrent Session 9	06/29/2018	10:10 - 11:45

Session Theme	T6 Frontiers in Nanostructure Stability: Glasses and Nanocrystalline Materials							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-327	Dr	Benel	Cahit	Oral	Cluster-assembled Metallic Glasses	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-534	Mr	Boennin ghoff	Niklas	Oral	Properties and Application of Various Metallic Glass Systems with Focus on Thin Films	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-558	Dr	Cao	Shan/ Cecilia	Oral	Nature-Inspired Hierarchical Steels	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-96	Dr	Fan	Jitang	Oral	Dynamic mechanical response of bulk metallic glasses	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-188	Prof	FENG	TAO	Oral	Ni-P Nanoglass Prepared by Multi-phase Pulsed Electrodeposition and Its Unique Deformation Behavior	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-345	Mr	Freitas	Alexy	Oral	Elucidating non-classical nucleation of nanocrystals from an amorphous intermediate state	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-41 (Cancelled)	Dr.	Guo	LIU	Oral	Origami and 4D Printing of Elastomer-Derived Ceramic Structures	Concurrent Session 9	06/29/2018	10:10 - 11:10
ABST-53	Dr	HE	Long-Bing	Oral	Surface Energy and Surface Stability of Ag Nanocrystals at Elevated Temperatures	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-199	Mr	HUA	Peng	Oral	Superelasticity and plasticity of nanocrystalline NiTi at microscale	Concurrent Session 4	06/26/2018	15:45 - 18:00
ABST-130	Dr	LI	Xiuyan	Oral	Variation of thermal stability with grain size in nano-grained metals	Concurrent sion 4	06/26/2018	15:45 - 18:00
ABST-470	Prof	Li	Jiangong	Oral	Challenges and Solutions in Al ₂ O ₃ Nanomaterials	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-23	Dr	PADA KA THAN	PAMBAN NA N	Oral	DEVELOPMENT OF NANO STRUCTURED HIGH TEMPERATURE ALUMINIUM ALLOYS THROUGH MICROSTRUCTURE CONTROL	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-174	Dr	Reda	Chellali	Oral	Structural and magnetic properties of Ni ₅₀ Ti ₅₀ nanoglass	Concurrent Session 4	06/26/2018	15:45 - 18:00
ABST-94	Dr	Singh	Shiv Prakash	Oral	Synthesis of Tb ₇₅ Fe ₂₅ nanoglass and its magnetic properties	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-166	Prof	Wu	Yuan	Oral	Toughening of bulk metallic glasses via confined martensitic transforamtion	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-33	Dr	WU	Ge	Oral	Dual phase supra nanostructuring as a route to near ideal strength magnesium alloys			
ABST-583	Mr	Yang	Feipeng	Oral	Nanoscale characterization of interface morphology between metal substrate and polymer thin film by X-ray off-specular scattering	Concurrent Session 4	06/26/2018	15:45 - 18:00
ABST-197	Ms	Zhang	Xuan	Oral	Mechanical properties and deformation mechanisms of ultra-light and resilient ceramic nanofiber sponges at high temperature	Concurrent Session 4	06/26/2018	15:45 - 18:00
ABST-526	Mr	Zhang	Hua Ping	Oral	Size effect on dynamics in metallic liquids	Concurrent Session 4	06/26/2018	15:45 - 18:00

Session Theme	T7 Carbon Nanomaterials							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-509	Dr	Akinoglu	Eser Metin	Oral	Nanoscopic Carbon Electrodes: Vertically Aligned MWCNTs on Glassy Carbon for Electrochemical Applications	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-215	Mr	Hsieh	Hua Sheng	Oral	The Electrolyte Molecule Diffusive Behaviors and Capacitance of Supercapacitors with Nanoporous Carbon Electrodes: a Molecular Dynamics Study	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-434	Prof	HU	Jinlian	Oral	Carbon Nanotube-Polyurethane Composites for Body Heat Harvesting Wearables	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-573	Ms.	Huang	Zhiyuan	Oral	Small Science in Big China	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-142	Dr	LIU	Yanpeng	Oral	Giant Magnetoresistance on Graphene-phosphorene Heterostructure	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-508	Prof	Mahmoud	Khaled A	Oral	Toxicity, Bactericidal, and Environmental applications of MXenes	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-364	Prof	Qiao	Li	Oral	Functionalized 3-D, Porous Graphene Foam for Enhancing the Burn Rate of Solid Propellants	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-269	Dr	S	Divya	Oral	Insight into Excitation Dependent Fluorescence of Carbon Dots	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-412	Dr	Urban	Alexander	Oral	Carbon dots: The complex interplay between morphology and optical properties	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-413	Dr	Vasylenko	Andrij	Oral	Regulation of structure and high thermoelectric performance of sub-nanometer 1D SnTe via encapsulation within single-walled carbon nanotubes	Concurrent Session 6	06/27/2018	15:45 - 18:15
SPONSOR	Dr.	WANG	Zhen	Oral	Carbon-based material characterization by Photoelectron Spectroscopy	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-88	Prof	Wei	Jing	Oral	Natural Polyphenols Derived Nanoporous Carbon Materials for Electrocatalysis	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-586	Prof	Yang	Jinglei	Oral	Novel onion-like graphene hybrid millispheres for efficient solar vapor generation under nonconcentrated illumination	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-192	Dr	Yue	Hua	Oral	Exploration of 2D graphene oxide as tumor vaccine delivery system	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-195	Mr.	Zhong	Lei	Oral	Microstructure-Property Relationships in Porous Graphene Microspheres	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-473	Dr	ZHONG	Yu Lin	Oral	Facile Electrochemical Approach for the Production of Graphite Oxide with Controllable Chemistry	Concurrent Session 6	06/27/2018	15:45 - 18:15

Session Theme	T8 Nanomechanics							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-484	Prof	Aldajah	Saud	Oral	Alteration of Mechanical and Thermal Properties of Nanocrystalline Cellulose Reinforced Nanocomposites	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-350	Prof	Bin	Gan	Oral	EXTRACTION OF CRYSTAL PLASTICITY PARAMETERS OF IN718 USING HIGH TEMPERATURE MICRO-COMPRESSION	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-37	Mr	CAO	Ke	Oral	In situ SEM mechanical characterization of graphene	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-394	Prof	Chen	Xian	Oral	Enhanced reversibility of phase-transforming materials from macro to nano scales	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-114	Mr	Chuang	W. S.	Oral	Atomic scaled deformation mechanism of Mg-Zn-Y 18R LPSO during compression along c-axis	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-80	Ms	Dang	Chaoqun	Oral	Direct quantification of mechanical responses of ceramic/metal nanocomposites through uniaxial compression of micropillars	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-540	Ms	DING	Yue	Oral	Surface Effects of Micropipette Aspiration on Soft Materials	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-38	Mr	FAN	Sufeng	Oral	Digital Micromirror Device (DMD)-Based High-Cycle Tensile Fatigue Testing Micromachine for 2D Nanomaterials	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-73	Prof	Feng	Jin	Oral	The size-dependent behavior of a broadband magnetic energy nanoharvester array with consideration of surface and nonlocal effects	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-34	Mr	Gao	Libo	Oral	High-entropy alloy (HEA)-coated nanolattice structures and their mechanical properties	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-36	Ms	HAN	Ying	Oral	Thermal Stability of 4H Hexagonal Gold Nanoribbons under in situ Electron Beam Irradiation and in situ heating	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-242	Mr	Hou	Tsu-Hsun	Oral	Observing the Structural and Material Properties of Two-dimensional Supramolecule by Hybrid Monte Carlo and Molecular Dynamics Simulation	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-183	Mr	Kashiwar	Ankush	Oral	In situ cyclic deformation studies on nanocrystalline palladium thin films using automated crystal orientation mapping in TEM	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-455	Prof	Levitas	Valery I.	Oral	Strong effect of the ratio of two nanosize parameters on the phase transformations	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-59	Dr	SUN	Ligang	Oral	The effect of twin thickness on the generation of high-order hierarchical nanotwinned structure: a molecular dynamics study	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-186	Dr	Tang	Xiao-Zhi	Oral	The Minimum Energy Pathways Identifications of Pure-Shuffle Extension Twin Nucleation and Its Shear-Shuffle Coherent Twin Boundary Migration	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-589	Dr	WALTZ	Laurent	Oral	Understanding of the delamination process in a 316L nanocrystallized multilayer structure	Concurrent Session 5	06/27/2018	10:45 - 12:00

Session Theme	T8 Nanomechanics							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-160	Ms	XIONG	Zixin	Oral	Buckling and Delamination of MoS ₂ Thin Films on Substrates	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-581	Mr	Yong-Long	Chen	Oral	Diffusion of a Cu nanodroplet on an amorphous carbon surface	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-201	Mr	Yongshuai	Yuan	Oral	Simulating Nano-indentations for Nano-laminated Nickel with Low-angle Grain Boundaries	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-512	Mr	Yuan	Weike	Oral	Effects of Surface Tension on the Two-Dimensional Contact Problem of an Elastic Layer	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-403	Mr	ZHAN	Yuexing	Oral	Effect of nanoparticle/polymer interphase on visco-hyperelastic behavior of nanocomposite hydrogels	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-408	Mr	ZHAN	Yuexing	Oral	Reading of Hyperelastic Materials Parameters Obtained from AFM-assisted Scanning and Indentation on Soft Matters	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-54	Mr	ZHANG	Jiayong	Oral	Quantitative Interaction between Twin Boundaries and Screw Dislocations in FCC Metals	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-78	Prof	Zheng	Yonggang	Oral	Atomistic Investigations of the Strengthening Mechanisms in Nanotwinned Multilayer Metallic Materials	Concurrent Session 9	06/29/2018	10:10 - 11:45

Session Theme	T9 Nanomaterials for Photonics and Optoelectronics							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-511	Dr	Chen	Bingkun	Oral	Blue emitting aluminum hydroxide phosphor for UV pumped white light-emitting devices	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-86	Prof	Fernandez	Paloma	Oral	Waveguiding properties and optical resonances in rare earth doped ZnO micro – and nanostructures	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-388	Dr	Ho	Johnny Chung Yin	Oral	Large-Scale Synthesis of Freestanding Layer-Structured PbI ₂ and MAPbI ₃ Nanosheets for High-Performance Photodetection	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-233	Dr	Lihong	Jing	Oral	Strongly Emitting Core/Shell Semiconductor Nanocrystals	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-536	Mr	Miethe	Jan Frederick	Oral	Probing and Controlling Charge Carrier Transfer in Nanoparticle Assemblies	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-500	Mr	Park	Minsu	Oral	Highly efficient solid-state photoluminescence from graphene quantum dots embedded in a boron oxynitride for AC-electroluminescent device	Concurrent Session 7	06/28/2018	10:45 - 12:00
ABST-311	Dr	Qi	HAO	Oral	Integration of Plasmonic nanoparticles and Microtubular Optical Cavities	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-210	Dr	Sharma	Manoj	Oral	Synthesis and Photo-physical Studies of Copper Doped Atomically Flat Nanoplatelets	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-295	Prof	Song	Qinghai	Oral	Controlling the lasing and hybrid plasmonic laser actions based on lead halide perovskite nanosheets at the bottom	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-370	Dr	Ushakova	Elena	Oral	Luminescent Microporous Materials Based on Colloidal Nanoparticles	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-228	Dr	Wang	Rui	Oral	Nanostructured Mixed-Dimensional Lead Bromide Perovskite Films with Preferential Crystal Orientation Investigated with Advanced Scattering Techniques	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-507	Mr	Wu	Hualin	Oral	Interfacial charge behavior modulation in perovskite quantum dots-monolayer MoS ₂ 0D-2D mixed-dimensional van der Waals heterostructures	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-251	Dr	Xuan	Tongtong	Oral	High Stability and Brightly Luminescent Lead Halide Perovskite Composite Quantum Dots for White Light-Emitting Diode	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-185	Prof	Zhang	Jiatao	Oral	Doped Semiconductor Nanocrystals and Their Hetero-structures: Precise Synthesis and Their Optoelectronic Applications	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-414	Mr	Zhang	Wanlong	Oral	Optically Addressable Emission from Pattern Aligned Nanorods Film	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-531	Mr	ZHANG	Xiankun	Oral	Strong interlayer coupling in MoS ₂ van der Waals homojunction constructed by defect engineering	Concurrent Session 4	06/26/2018	15:45 - 18:15

Session Theme	T10 Magnetic Nanomaterials for Applications							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-216	Mr	Cao	Lei	Oral	Influence of oxygen content on magnetic and electric properties in La _{0.7} Sr _{0.3} MnO _{3-δ} thin films	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-299	Dr	Crisan	Ovidiu	Oral	Mn influence on phase evolution in FePt-based compounds	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-171	Dr	Henrichs	Leonard	Oral	First magnetoelectric in-situ core-shell ceramic	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-468	Dr	Hussain	Shahzad	Oral	Investigation of Magnetic, Ferroelectric and local electrical conduction behavior of RF sputtered BiFeO ₃ thin films	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-339	Dr	Krupinski	Michal	Oral	Large scale arrays of Co/Pd and Fe ₆₀ Al ₄₀ nanomagnets with tunable magnetic properties for recording and magnonic applications	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-328	Mr	Molinari	Alan	Oral	Voltage-driven Tuning of Magnetism in La _{1-x} Sr _x MnO ₃ /Ionic Liquid Magnetoelectric Systems	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-226	Dr	Shull	Robert	Oral	Domain Dynamics in Nanostructured Materials Revealed by Real-Time Domain Images	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-282	Prof	Stiufiuc	Rares	Oral	Multifunctional Magnetoliposomes Nanocarriers for Drug Delivery Applications: Synthesis and Characterization	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-301	Ms	Sun	Xiao	Oral	Structural and magnetic properties of self-assembled iron oxide nanoparticle films	Concurrent Session 2	06/25/2018	16:20 - 18:30

Session Theme	T11 SPD processed nanomaterials with multifunctional properties							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-221	Mr	Chu	Kangjie	Oral	Elinvaric behavior of cold rolled NiTi shape memory alloys	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-72	Dr	Dai	Qingwei	Oral	Anisotropy of AZ31 Mg alloy deformation	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-367	Prof	Dzugan	Jan	Oral	High-strength wires made of technically pure titanium	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-493	Dr	Hu	Nan	Oral	Achieving homogeneous anodic TiO ₂ nanotube layers through grain refinement of the titanium substrate	Concurrent Session 9	06/29/2018	10:10 - 11:45
ABST-124	Dr	Ivanisenko	Yulia	Oral	Novel SPD method of High Pressure Torsion Extrusion and its applications	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-232	Prof	Janeček	Miloš	Oral	Microstructure evolution in metastable beta titanium alloys processed by severe plastic deformation	Concurrent Session 6	06/27/2018	15:45 - 18:15
ABST-75	Prof	Kim	Yail Jimmy	Oral	Development of Nano-silica-based High-performance Concrete	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-245	Dr	LI	YING	Oral	Utilize mechanical surface attrition treatment to strengthen metallic tubular structures	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-324	Ms	Martyne nko	Natalia	Oral	Effect of equal-channel angular pressing on the corrosion resistance of magnesium alloy WE43 in various bioactive media	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-222	Dr	Mazilkin	Andrey	Oral	Grain Boundary Segregation in Cu Alloys Subjected to High Pressure Torsion	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-510	Prof	NGUYEN	Quang Chinh	Oral	Unique microstructure and mechanical properties of Al-Zn alloys processed by high-pressure torsion	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-421	Ms	Ojdanic	Andrea	Oral	Strengthening and corrosion properties of a biodegradable Mg-Zn-Ca alloy ZX50 after processing by HPT and heat treatment	Concurrent Session 5	06/27/2018	10:45 - 12:00
ABST-504	Mrs	Orlowska	Marta	Oral	Properties of ultrafine grained aluminium plates obtained by the hybrid process	Concurrent Session 2	06/25/2018	16:20 - 18:30
ABST-253	Dr	Raab	Georgy	Oral	Structure and Properties of Steels and a Bronze During HPT at Temperatures Below Recrystallization	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-556	Dr	Revesz	Adam	Oral	Characterization of partially desorbed nanocrystalline Mg ₂ Ni alloys processed by high pressure torsion	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-310	Prof.	VALIEV	Ruslan Z.	Oral	Effect of Processing by High Pressure Torsion on the Microstructure and Properties of Amorphous Alloys of Different Composition	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-440	Dr	Yongpeng	Tang	Oral	Grain Refinement and Production of Superplasticity in Metallic Round Rods Using Multi-Pass High-Pressure Sliding (MP-HPS)	Concurrent Session 4	06/26/2018	15:45 - 18:15
ABST-68	Dr	Zhang	ling	Oral	Heterogeneous multilayer interstitial-free steel with simultaneous high strength and good ductility	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-30	Prof	Zhu	Yuntian	Oral	Back-stress strengthening and strain hardening in heterostructured materials	Concurrent Session 1	06/25/2018	11:00 - 12:00

Session Theme	T12 Nanostructured Precious Metals							
ABST_Num	Title	Last	First	Method	Title	Presentation Session	Presentation Date	Presentation Time
ABST-207	Dr	Bhargava	Arpit	Oral	A systematic approach towards identification of a single protein responsible for synthesis and stabilization of silver nanoparticles	Concurrent Session 8	06/28/2018	15:45 - 17:30
ABST-133	Dr	Liu	Xiaowei	Oral	High-order hierarchical nanotwins in pure silver of superior strength and ductility	Concurrent Session 3	06/26/2018	11:05 - 12:20
ABST-448	Dr	Lu	Qipeng	Oral	Crystal Phase-Based Epitaxial Growth of Noble Metal Nanostructures on 4H/fcc Au Nanowires	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-106	Mr	Wang	Wu	Oral	Understanding the role of the support morphology and distribution of the active catalyst sites on furfural hydrogenation by Pd/CMK-3	Concurrent Session 1	06/25/2018	11:00 - 12:00
ABST-447	Dr	Zhang	Zhicheng	Oral	Ultrathin Bimetallic Nanostructures used for Enhanced Catalytic Applications	Concurrent Session 3	06/26/2018	11:05 - 12:20