



AAAFM - UCLA 2019 Abstract Announcement

(List of Accepted Abstracts for SS02 - Functional Composite Materials (FCM) for the
 AAAFM – UCLA 2019)

American Association for Advances in Functional Materials

Serial No:	Symposium	Authors	Title	Mode of Presentation
121	Symposium 2: Functional Composite Materials (FCM)	Dar, Riyaz Ahmad	An electrochemical sensor based on graphene nanosheets-zinc oxide composite coated glassy carbon electrode for the sensitive determination of para-nitrophenol	Oral
122	Symposium 2: Functional Composite Materials (FCM)	Dar, Riyaz Ahmad	Advances in electrochemical sciences: new approaches to environmental applications involving functionalized novel nanomaterials	Invited
123	Symposium 2: Functional Composite Materials (FCM)	Fang, Kaiyue; Fang, Fei; Yang, Wei	Hybridizing SWNT/PMMA/PVDF towards High-Performance Piezoelectric Nanofibers	Oral
124	Symposium 2: Functional Composite Materials (FCM)	Li, Qi	Nanodielectrics for High-Temperature Capacitive Energy Storage	Oral
125	Symposium 2: Functional Composite Materials (FCM)	Kozłowska, Justyna; Prus, Weronika; Stachowiak, Natalia	Modification of sodium alginate/starch films by addition of microspheres	Oral
126	Symposium 2: Functional Composite Materials (FCM)	An, Alicia	Enhanced ammonia recovery from wastewater using a MWCT/Nafion composite membrane	Oral



127	Symposium 2: Functional Composite Materials (FCM)	ALothman, Zeid Abdullah; Yusuf, Kareem	Preparation of novel functionalizable polymeric monoliths for specific capillary liquid chromatographic separations	Poster
128	Symposium 2: Functional Composite Materials (FCM)	Amoresi, Rafael Aparecido Ciola Oliveira, Regiane Almeida, Priscila Zaghete, Maria A Sambrano, Julio Ponce, Miguel Longo, Elson Simões, Alexandre Z	Growth of nickel oxide on CeO ₂ nanoparticles obtained in different morphologies applied as gas sensor	Poster
129	Symposium 2: Functional Composite Materials (FCM)	Mahajan, Prasad G. Dige, Nilam C. Vanjare, Balasaheb D. Lee, Ki Hwan	A potential mediator for photodynamic therapy based on Silver nanoparticles functionalized with porphyrin	Poster
130	Symposium 2: Functional Composite Materials (FCM)	Vanjare, Balasaheb D.; Mahajan, Prasad G.; Lee, Ki Hwan	A rhodamine based highly selective and sensitive “off- on” chemosensor for detection of Hg ²⁺ metal ion in aqueous media	Poster
131	Symposium 2: Functional Composite Materials (FCM)	Zhai, Lei	Polymer Derived Ceramic Composites with Graphene	Oral
132	Symposium 2: Functional Composite Materials (FCM)	Dimitry, Onsy Ishak Mansour, Nahla Ahmed Saad, Azima Latif	Effect of Organic Modifier Loading on Particle Dispersion of Nanocomposites Based on Polyamide 6 and Natural Montmorillonite	Oral
133	Symposium 2: Functional Composite Materials (FCM)	Incedal, Ibrahim; Karabul, Yaşar; Kılıç, Mehmet; İçelli, Orhan;	Negative Dielectric Constant Property of EuSr ₂ CaCu ₂ O _{6.5} Ceramic	Poster



		Güven Ozdemir, Zeynep		
134	Symposium 2: Functional Composite Materials (FCM)	Ozkan, Sermin Ilayda; Erdönmez, Seda; Kılıç, Mehmet; Karabul, Yaşar; Içelli, Orhan; Güven Ozdemir, Zeynep	Synthesis, Structural and Dielectric Characterization of Polyindole-Silver Nano Composites	Poster
135	Symposium 2: Functional Composite Materials (FCM)	Ongun, Isa Emin Karabul, Yaşar Çağlar, Mustafa Kılıç, Mehmet Güven Ozdemir, Zeynep İçelli, Orhan	Epoxy/WO ₃ Nano Composites as an Eco- Friendly Gamma Ray Shielding Materials	Oral
136	Symposium 2: Functional Composite Materials (FCM)	Kutelia, Elguja Bakhtiyarov, Sayavur Okrosashvili, Mikheil Tsurtsunia, Olga Bulia, Boris Bakhtiyarov, Akshin Eristavi, Besik	A Novel Functional Self- Healing Metallic Composite	Oral
137	Symposium 2: Functional Composite Materials (FCM)	Du, Xuemin	Bioinspired composite material-based actuators and their applications	Invited
138	Symposium 2: Functional Composite Materials (FCM)	Zhang, Lidong; Chen, Qing	Hollow hydrogel networks for temperature-controlled water fluidics	Invited
139	Symposium 2: Functional Composite Materials (FCM)	Zheng, Yongmei	Bioinspired wettability surfaces with micro- and nanostructures from design to functions	Invited



140	Symposium 2: Functional Composite Materials (FCM)	Yang, Ming	An Epidermis-like Hierarchical Smart Coating with a Hardness of Tooth Enamel	Oral
141	Symposium 2: Functional Composite Materials (FCM)	Shahzad, Humaira	Selective removal of radioactive cesium in water using magnetic Prussian blue graphene based nanomaterial	Poster
142	Symposium 2: Functional Composite Materials (FCM)	Wang, Feng Ding, Yanfen Zhang, Dongmin Yang, Mingshu	The effect of nanohybrid materials on the pour- point and viscosity depressing of waxy crude oil	Oral
143	Symposium 2: Functional Composite Materials (FCM)	Wang, Fangfang; Feng, Lajun; Lei, Ali	Preparation and properties of an eco-friendly polyurethane conductive composite coating modified with MWCNTs	Oral
144	Symposium 2: Functional Composite Materials (FCM)	Sirohi, Sidharth; Tripathi, Sandeep; Pani, Balaram; Nain, Ratyakshi	Rapid Detection of Hg using Ag Incorporated Recycled Paper	Oral
145	Symposium 2: Functional Composite Materials (FCM)	Farooq, Umar; Sattar, Sadia; Imtiaz, Farhat; Myler, Peter	Low-velocity impact- induced damage and failure prediction of fibrous composite panels using data filtering, load- deflection, and absorbed energy approaches	Oral
146	Symposium 2: Functional Composite Materials (FCM)	Zhai, Zhe; Lei, Ali; Feng, Lajun; wang, Fangfang	Effect of Water Uptake on the Mechanical Properties of Flake Aluminum Powder Filled Epoxy resin Composites	Poster
147	Symposium 2: Functional Composite Materials (FCM)	Saxena, Ankit; Mali, Kiran D.	Vibration Analysis of Functionally Graded Thin Plates with Linearly Varying Thickness using Variational Method	Oral



148	Symposium 2: Functional Composite Materials (FCM)	Gupta, Anju	Hierarchical Porous Graphene/copper composites for Enhanced Phase Change Heat Transfer Applications	Oral
149	Symposium 2: Functional Composite Materials (FCM)	Couto Crisóstomo, Matheus; Gonçalves, Joaquim Carlos; Soares Del Menezzi, Claudio Henrique	Effect of Thermo-Mechanical Densification on Surface Properties of Commercial Oriented Strand Boards	Poster
150	Symposium 2: Functional Composite Materials (FCM)	Benzerga, Ratiba; Méjean, Chloé; Sharaiha1, Ala	Bio-sourced composites for anechoic chamber absorbers	Oral
151	Symposium 2: Functional Composite Materials (FCM)	Benzerga, Ratiba Méjean, Chloé Pometcu, Laura Badard, Mathieu Sharaiha, Ala Pouliguen, Philippe	Carbon fibers based epoxy foam composites for electromagnetic absorption	Invited
152	Symposium 2: Functional Composite Materials (FCM)	Benzerga, Ratiba Laur, Vincent Lebullenger, Ronan Le Gendre, Laurent Queffelec, Patrick Sharaiha, Ala	Carbon based glass foam composites for high power microwave absorption	Oral
153	Symposium 2: Functional Composite Materials (FCM)	Abteew, Mulat Alubel Boussu, François Bruniaux, Pascal Loghin, Carmen Cristian, Irina	Three-dimensional (3D) warp interlock p-aramid fabrics for the development of seamless female soft body armour with better flexibility and ballistic impact performance	Oral



		Chen, Yan Wang, Lichuan		
154	Symposium 2: Functional Composite Materials (FCM)	Zhao, Tingkai	Facile preparation and high capacitance performance of copper sulfide microspheres as supercapacitor electrode material	Oral
155	Symposium 2: Functional Composite Materials (FCM)	Zhang, Shanju	Aligned carbon nanotube-polymer nanocomposite membranes via liquid crystalline templating for desalination and decontamination	Oral
156	Symposium 2: Functional Composite Materials (FCM)	Ram, Paras; Walia, Mittu; Paras, Neha	MHD Nanofluid Heat Transfer between Parallel Plates with Thermophoretic Diffusion and Viscous Dissipation	Oral
157	Symposium 2: Functional Composite Materials (FCM)	Zakarian, Dora	Temperature dependence of the modulus of elasticity of materials	Poster
158	Symposium 2: Functional Composite Materials (FCM)	Bao, Dan Qiu, Zhengsong Zhong, Haiyi Zhao, Xin Chen, Ganghua	Preparation and study on core-shell structure composite lost circulation material based on shape memory alloy in drilling engineering	Oral
159	Symposium 2: Functional Composite Materials (FCM)	Jen, Ming-Hwa R.; Guo, Guan-Ting; Wu, Ying-Hui; Chen, Ying-Jing	Fatigue Responses of Ti/APC-2 Nanocomposite Laminates with Inclined Cracks at Elevated Temperature Part I: Experiments	Oral
160	Symposium 2: Functional Composite Materials (FCM)	G, Manasa Mascarenhas, Ronald Jerald Satpati, Ashis K Basavaraja, Basavanakote M Kumar, Sriram	ZnO/G nano composite and CTAB surface modified carbon paste electrode architecture as an electrochemical sensor for the detection of	Oral



			endocrine disruptor Bisphenol F	
161	Symposium 2: Functional Composite Materials (FCM)	Al-Shakarchi, Emad	The Optimum Conditions in Preparation of BaTi ₂ O ₅ Nanostructure by Hydrothermal Method	Invited
162	Symposium 2: Functional Composite Materials (FCM)	He, Zhiyuan; He, Ximin	Bioinspired Materials for Controlling Ice Nucleation, Growth, and Recrystallization	Oral
163	Symposium 2: Functional Composite Materials (FCM)	Chen, Chiatai Li, Yifan Meshot, Eric Bui, Ngoc Zhu, Rong Herbert, Myles Park, Sei Jin Buchsbaum, Steven Jue, Melinda Wu, Kuang Jen Swager, Timothy M. Fornasiero, Francesco	Stimuli-Responsive Carbon Nanotube Membranes for Chemical Warfare Protection	Oral
164	Symposium 2: Functional Composite Materials (FCM)	Ji, Zhongying Hua, Dechuan Li, Yuandong Wang, Xiaolong	3D printing of shape- morphing architec- tures from bilayer to homogeneous material	Oral
165	Symposium 2: Functional Composite Materials (FCM)	Guo, Zhaoxia; Li, Hansong; Zhang, Qiyang; Zhang, Boyuan; Yu, Jian	Highly efficient conductive networks formed by selective localization of carbon black at the interface of sea-island structured polymer blends	Poster
166	Symposium 2: Functional Composite Materials (FCM)	Shanmuganatha n, Kadiravan Ram, Farsa Yadav, Prashant Ambone, Tushar	Nanocellulose based Functional Composite Materials	Oral



		Kadam, Sandeep		
167	Symposium 2: Functional Composite Materials (FCM)	Yaghoubi, Mahmood; Hormozi, M.; Fosehat, S	Development of nano- structured hybrid hydrophobic-hydrophilic surface to improve condensation heat transfer	Oral
168	Symposium 2: Functional Composite Materials (FCM)	Głuchowski, Wojciech; Rdzawski, Zbigniew; Maleta, Marcin; Domagała- Dubiel, Justyna	Cu-Bi multifiber composite wire	Oral
169	Symposium 2: Functional Composite Materials (FCM)	Zhang, Yufan; Li, Zhong; Zhou, Xin	Zirconium-Bipyridine MOF for the Selective Separation of Propane from Propylene	Oral
170	Symposium 2: Functional Composite Materials (FCM)	Yang, Xingyun Sun, Mo Bian, Yinxu He, Ximin	A Room-temperature High-conductivity Metal Printing Paradigm with Visible-light Projection Lithography	Oral
171	Symposium 2: Functional Composite Materials (FCM)	Nguyen, Ngoc A.; Bowland, Christopher C.; Keum, Jong K.; He, Lilin; Naskar, Amit K.	Multifunctional 3D-printing materials from modified lignins	Oral
172	Symposium 2: Functional Composite Materials (FCM)	Hua, Mutian Choi, Jaeho He, Ximin	Reconfigurable surface for encryption and anti- counterfeiting	Oral
173	Symposium 2: Functional Composite Materials (FCM)	Zhang, Qi Zheng, Ruilin Ding, Jianyong Wei, Wei	Novel glass-in-LuAG ceramic with excellent luminous efficiency and high thermal stability for laser-diode-pumped phosphor	Oral



174	Symposium 2: Functional Composite Materials (FCM)	Phasukom, Katesara; Sirivat, Anuvat	Graphene Based Materials/Polyindole Composites for Methanol Sensor	Poster
175	Symposium 2: Functional Composite Materials (FCM)	Yuan, Binqin; Li, Hao; Zhou, Xin; Tang, Yuning; Peng, Junjie; Li, Zhong	Room-Temperature Synthesis of novel TED@HKUST-1 with enhanced water vapor stability for CO ₂ capture	Oral
176	Symposium 2: Functional Composite Materials (FCM)	Changkhamchom, Sairung; Sirivat, Anuvat	Sulfonated (graphene oxide/Poly(ether ketone ether sulfone)(S-GO/S-PEKES) composite polymer exchange membrane for DMFC	Poster
177	Symposium 2: Functional Composite Materials (FCM)	Choeichom, Pongpol; Sirivat, Anuvat	Poly(p-phenylene) and its Composites with ZSM-5, BETA, and 13X Zeolites as Selective Sensing Material for Sulfur Dioxide	Poster
178	Symposium 2: Functional Composite Materials (FCM)	Thummarungsan, Natlita; Sirivat, Anuvat	Electro-Responsive Material Based on Multiwall Carbon Nanotube/ Poly(lactic acid) Composites for Using as	Poster
179	Symposium 2: Functional Composite Materials (FCM)	Im, Hyeon-Gyun; Park, Hoy Yul; Kang, Dong Jun	Transparent encapsulation material using methyl-methacryl oligosiloxane nanocomposites for electrochromic devices	Poster
180	Symposium 2: Functional Composite Materials (FCM)	Chowdhury, Aminur Rashid Abdullah, Abu Musa Hussain, Istiak Mao, Yuanbing Danti, Serena Uddin, M. Jasim	Li-ZnO Nanowire/Polymer Nanocomposite Based Piezo-Tribo Hybrid Nanogenerator	Oral



181	Symposium 2: Functional Composite Materials (FCM)	Kang, Dong Jun; Park, Hyo Yul; Im, Hyeon-Gyun	Transparent, thixotropic, and adhesive encapsulation for optoelectronic devices	Poster
182	Symposium 2: Functional Composite Materials (FCM)	Chaudhari, Vikas Vinayak; Dixit, Swadesh Sandesh	Modeling of short fiber reinforced composite using Extended Finite Element Method (XFEM)	Oral
183	Symposium 2: Functional Composite Materials (FCM)	Kwon, Wooteck; Ahn, Su-Bin; Lee, Yoonjoo; Kim, Younghee; Kim, Jung Hyun	SiC-conversion coating prepared from silica sol for improving oxidation resistance of carbon-fiber composites	Poster
184	Symposium 2: Functional Composite Materials (FCM)	Fan, Junmei; Hui, Si; Bailey, Trevor P.; Page, Alexander; Uher, Ctirad; Yuan, Fangli	Ultralow thermal conductivity in graphene- oxide porous ceramics with special saucer structure of graphene aerogels	Oral
185	Symposium 2: Functional Composite Materials (FCM)	Aziz, Fakhra Roslan, Nur Adilah Sulaiman, Khaulah Supangat, Azzuliani	Characterization of coplanar capacitive type humidity sensor fabricated using a composite thin film of PTB7-Th:VOPcPhO	Oral
186	Symposium 2: Functional Composite Materials (FCM)	Abareshi, Afsaneh Houshiar, Mahboubeh Nafisi, Shohreh Nafisi, Shohreh Samadi, NaghmeH	Two –dimensional MoS2 Nanosheets Decorated by Gold Nanorods for Photothermal Therapy	Oral
187	Symposium 2: Functional Composite Materials (FCM)	Alothman, Zeid Abdullah; Wabaidur, Saikh Mohammad	Adsorption, kinetics and thermodynamics studies of removal of atrazine herbicide using composite nanomaterials	Poster



188	Symposium 2: Functional Composite Materials (FCM)	Fono-Tamo, Romeo Sephyrin; Tien-Chien, Jen	First principles calculation of the structure and magnetic ordering in ErF ₃	Oral
189	Symposium 2: Functional Composite Materials (FCM)	Ghosh, Sandip; Chiang, Wen Cheng; Chattopadhyay, Surojit	Ultrasensitive broadband photodetector using electrostatically conjugated MoS ₂ - upconversion nanoparticles nanocomposite	Oral
190	Symposium 2: Functional Composite Materials (FCM)	LEE, Sang Heon	Electromagnetic properties of YBCO superconducting composite for magnet application	Poster
191	Symposium 2: Functional Composite Materials (FCM)	Łaszcz, Amadeusz; Hasiak, Mariusz; Kaleta, Jerzy	Microstructure, magnetic behavior and nanomechanical characterization of NiMnGa-based multifunctional ferromagnetic shape memory alloys	Oral
192	Symposium 2: Functional Composite Materials (FCM)	Koya, Prabhakara Rao	Temperature Stable Novel Porous Coordination Polymer (PCP) based artificial Lotus Leafs for Applications in Energy and Environment	Oral
193	Symposium 2: Functional Composite Materials (FCM)	Kaluzny, Jaroslaw Kempa, Krzysztof Kulczycki, Andrzej Runka, Tomasz Nowicki, Marek Piasecki, Adam Gapinski, Bartosz Kinal, Grzegorz	A novel Carbon Nanotubes based grease formulation and its unique lubricating performance	Oral



		Stepanenko, Aleksander Gallas, Dawid Merkisz, Jerzy		
194	Symposium 2: Functional Composite Materials (FCM)	Liu, Chuanbei Gao, Jianming Zhao, Yasong Chen, Xuemei	The setting and rheological behavior of gypsum-based composites used for 3D robocasting	Oral
195	Symposium 2: Functional Composite Materials (FCM)	Jahid, Md Anwar; Hu, Jinlian	Nanocomposite membrane for human thermoregulation	Oral
196	Symposium 2: Functional Composite Materials (FCM)	Song, Sinae Choi, Guijun Kim, Moongyu Kim, Heetaik	Release control on the specific surface area of rice husk silica immobilized in polycaprolactone nanosheet by electrospinning.	Poster
197	Symposium 2: Functional Composite Materials (FCM)	Chen, Jianheng; Lu, Lin; Zhong, Hong; Ji, Yaxiong	Developing a multiple-layer functional coating for buildings in hot and humid regions to achieve passive cooling and energy saving	Oral
198	Symposium 2: Functional Composite Materials (FCM)	Hussainova, Irina; Saffarshamshirgar, Ali; Ivanov, Roman	Multi-gradient electroconductive alumina	Oral
199	Symposium 2: Functional Composite Materials (FCM)	Domagała-Dubiel, Justyna Janicki, Damian Bilewska, Katarzyna Głuchowski, Wojciech	Microstructure and properties of copper matrix composites fabricated by laser surface alloying	Oral
200	Symposium 2: Functional Composite Materials (FCM)	Fonseca, Jessica de Matos Soares, Lenilton Santos	Development and characterization of HPMC-TiO ₂ and Gelatin- TiO ₂ nanocomposites as	Poster



		Valencia, German Ayala Campos, Carlos Eduardo Maduro Moreira, Regina FPM Monteiro Fritz, Alcilene Rodrigues	ethylene scavengers for climacteric fruit application	
201	Symposium 2: Functional Composite Materials (FCM)	Vieira, Ana Carolina Flôr; Fonseca, Jéssica de Matos Fonseca, Germán Ayala Valencia; Valencia, Germán Ayala; Monteiro Fritz, Alcilene Rodrigues	Antimicrobial activity and ethylene scavenging of food packaging based on hydroxypropyl methylcellulose and silver nanoparticles	Poster
202	Symposium 2: Functional Composite Materials (FCM)	VISA, Maria	Nanocomposite WO ₃ - TiO ₂ /fly ash with dual functionality in simultaneous removal of pollutants from wastewater	Oral
203	Symposium 2: Functional Composite Materials (FCM)	Abareshi, Afsaneh; Jamilpanah, Loghman; Houshiar, Mahboubeh	Spinel Ferrites with different Combustion Temperature: A comparison study of Structural and Magnetic Properties	Oral
204	Symposium 2: Functional Composite Materials (FCM)	Muniyandi, Muneeswaran; Akbari Fakhrabadi, Ali	Structural, vibrational and enhanced the magnetoelectric properties of BiFeO ₃ -CoFe ₂ O ₄ nanocomposites	Oral
205	Symposium 2: Functional Composite Materials (FCM)	Ramalingam, Dineshkumar; Sen, Ramkrishna	Design and synthesis of a green, smart and recyclable bionanocomposite for concomitant recovery and	Oral



			disruption of microalgal biomass	
206	Symposium 2: Functional Composite Materials (FCM)	Falcao, Evaristo Alexandre; Capetta, Rodrigo Felipe Carneiro; Botero, Eriton Rodrigo	Synthesis and Characterization of PVDF/KNN composites	Poster
207	Symposium 2: Functional Composite Materials (FCM)	Falcao, Evaristo Alexandre Aguiar, Lais Weber Carvalho, Claudio Teodoro Botero, Eriton Rodrigo Rinaldi, Andrelson Wellington Guo, Ruyan Bhalla, Amar S	Study of the Optical Properties of Neodymium Doped PVDF	Poster
208	Symposium 2: Functional Composite Materials (FCM)	Dhaoui, Wadia; Ben Ghzaïel, Tayssir; Mazaleyrat, Frédéric	Polyaniline-barium ferrite composites: An optimization study for high efficiency microwave absorption	Oral
209	Symposium 2: Functional Composite Materials (FCM)	Kim, Cheolgyu; He, Ximin	Modeling of stimuli-responsive hydrogel using FEM simulation	Oral
210	Symposium 2: Functional Composite Materials (FCM)	Xu, Yixuan Kim, Cheolgyu Rico, Rossana Sun, Mo He, Ximin	Multi-responsive Hydrogels as Flexible Strain Sensor and Actuator	Oral
211	Symposium 2: Functional Composite Materials (FCM)	Jung, Dahee Spokoyny, Alexander	Boron-rich Clusters as Molecular Cross-linkers for Hierarchical Hybrid Materials	Oral
212	Symposium 2: Functional Composite	Zharov, Ilya	Functional nanoporous materials from assembly	Oral



	Materials (FCM)		of polymer-brush nanoparticles	
213	Symposium 2: Functional Composite Materials (FCM)	Cheng, Xianhua; Yip, Kwok Chuo Willis	Rare Earth Modified Carbon Nanotube-Carbon Fiber Multi-scale Reinforced Polymer Composite	Oral
214	Symposium 2: Functional Composite Materials (FCM)	Klink, Michael John	The characterization and determination of Zinc Oxide, Silver and Silver-Zinc Oxide nanoparticles exposed to extracts of Cotyledon Orbiculata and their antimicrobial activity in wastewater	Oral
215	Symposium 2: Functional Composite Materials (FCM)	Kim, Jae Hyun Park, Dongsung Hwang, Kyo Seon	Size-controlled Polyaniline (PANI) Nanofibers for Biosensor Application	Poster
216	Symposium 2: Functional Composite Materials (FCM)	Klink, Michael John	The Synthesis and Characterization Cobalt Nanoparticles and their Anti-Microbial Activity against Selected Waterborne Pathogens	Poster
217	Symposium 2: Functional Composite Materials (FCM)	A.N, Nagashree; Vedvyas, Champa	Influence of Soild Materials on Indigenous Natural Esters for use as an Alternate Liquid Dielectric Coolant	Oral
218	Symposium 2: Functional Composite Materials (FCM)	VedVyas, Champa; AN, Nagashree	Breakdown Behaviour of Indigenous Natural Esters as a blend for use as an Ecofriendly Dielectric Coolant	Oral
219	Symposium 2: Functional Composite Materials (FCM)	Du, Shuhu	Self-Assembling Silver Nanoparticles on Surface of Activated Carbon as SERS Substrate for Detection of Formaldehyde	Poster



220	Symposium 2: Functional Composite Materials (FCM)	Kim, Young- Kwan	The nanohybrid fibers composed of TiO ₂ nanoparticles and carbon nanotubes for sustainable mechanical properties under harsh conditions	Poster
221	Symposium 2: Functional Composite Materials (FCM)	Pol, Harshawardhan Marathe, Deepti Rokade, Dhammaraj Chougale, Sanket Joshi, Sagar Vaidya, Mayuri	Influence of Melt Blending on Controlling of Defects in Polyolefin Melt Processing	Oral
222	Symposium 2: Functional Composite Materials (FCM)	Wang, Dongfang; Wu, Yongkang; Zhang, Guoping	Superhydrophobic Cementitious Materials	Poster
223	Symposium 2: Functional Composite Materials (FCM)	Agwuncha, Stephen Owonubi, Shesan Revaprasadu, Neerish	Extraction of Cellulose from Vitellaria paradoxa agro-waste for possible Water Filtration Polymer Composite preparation	Oral
224	Symposium 2: Functional Composite Materials (FCM)	Salih, Watheq Kareem	Fire resistance, thermal stability and mechanical properties of PVA nanocomposite filled with modified nano Iraqi Ca- bentonite for packaging applications	Oral
225	Symposium 2: Functional Composite Materials (FCM)	Kaczmar, Jacek Wladyslaw; Naplocha, Krzysztof; Dmitruk, Anna; Grzeda, Jakub	The effect of Al-based cellular structure on the thermal performance of the zeolite based hybrid heat accumulator	Oral
226	Symposium 2: Functional Composite	Lodhi, Pavitra Devi Kaurav, Netram Choudhary,	Measurement and analysis of thermoelectric properties of FeSe superconductor	Invited



	Materials (FCM)	Kamal Kumar Kuo, Y. K.		
227	Symposium 2: Functional Composite Materials (FCM)	Butt, Ayesha Siddique	Fabrication of Cross-linked Pectin Hydrogel for Control Drug Delivery Application	Poster
228	Symposium 2: Functional Composite Materials (FCM)	Yuan, Chenglong Lou, Zhichao Zhang, Yao Wang, Weikai Yang, Lintian Li, Yanjun	One-pot synthesis of a lightweight effective electromagnetic wave absorber, Fe/Fe ₃ O ₄ @C, via in situ carbonization of Fe ₃ O ₄ -lignin framework	Oral
229	Symposium 2: Functional Composite Materials (FCM)	Kuo, Chil-Chyuan; Zhu, Yi-Jun; Wu, Ying-Zhi; You, Zheng-Yan	A cost-effective approach using recycled materials for rapid manufacturing ultra-large injection mold with conformal cooling channels	Oral
230	Symposium 2: Functional Composite Materials (FCM)	Alduhaish, Osamah Mohammed O	Metal–Organic Framework with Trifluoromethyl Groups for Selective C ₂ H ₂ and CO ₂ Adsorption	Poster
231	Symposium 2: Functional Composite Materials (FCM)	Shtein, Michael; Nadiv, Roey; Buzaglo, Matat; Regev, Oren	Enhancing Thermal Conductivity of Polymers	Oral
232	Symposium 2: Functional Composite Materials (FCM)	Birenboim, Matan	Reinforcement and workability aspects of graphene-oxide-reinforced cement nanocomposites	Poster
233	Symposium 2: Functional Composite Materials (FCM)	Guan, Xinchun Zhang, Chenchen Li, Hui Ou, Jinping	Effect of cementitious capillary crystalline waterproofing materials on self-healing behavior of strain hardening cementitious composites	Oral



234	Symposium 2: Functional Composite Materials (FCM)	Meng, Shanyu; Partow, Arianna; Tong, zhaohui	Lignin-based and disulfate-linked aerogel as a selective, controllable, reusable superabsorbent	Oral
235	Symposium 2: Functional Composite Materials (FCM)	Kim, Junhyung Hwang, Yujin Jeong, Sunho Lee, Su Yeon Choi, Youngmin Jung, Sungmook	An elastomer for epidermal electronics with adjustable adhesion force and stretchability obtained via a reverse-micelle-induced process	Poster
236	Symposium 2: Functional Composite Materials (FCM)	Ali, Mohammed	Fabrication and Properties of Porous Alumina Ceramics Using Graphite Waste as a Pore Forming Agent	Oral
237	Symposium 2: Functional Composite Materials (FCM)	Tan, Guolong; Feng, Yuan; Li, Xue; Tewelde, Daniel	Antiferroelectric and Magnetodielectric Coupling Response of La _{0.2} Sr _{0.7} Fe ₁₂ O ₁₉ Ceramics	Invited
238	Symposium 2: Functional Composite Materials (FCM)	Fang, Daining	Smart structures and 4D printing	Plenary
239	Symposium 2: Functional Composite Materials (FCM)	Hai, Chunxi Qi, Guicai Zhou, Yuan Shen, Yue Sun, Yanxia Dong, Shengde Li, Xiang	Preparation of Uniformly Dispersed Mn-based Oxide Ion Sieves with High Adsorption Capacity and Selectivity for Lithium separation from Brine	Poster
240	Symposium 2: Functional Composite Materials (FCM)	Mu, Xueliang; Liu, Shuai; Chen, Yipei; Wu, Tao	Self-assembly Composites of HKUST-1 MOFs with MoS ₂ for CO ₂ adsorption	Oral
241	Symposium 2: Functional Composite Materials (FCM)	Bilen, Onur Alkan, Ümit Kiliç, Mehmet Karabul, Yaşar	Mechanical and AC Electrical Properties of Low-Density Polyethylene/BiSr ₂ CaCu ₂	Poster



		Güven Özdemir, Zeynep	O6.5 Thick Film Composites	
242	Symposium 2: Functional Composite Materials (FCM)	Boshkov, Nikolai Stoyanov Boshkova, Neli Dimitrova Kamburova, Kamelia Pavlova Tabakova, Nadezhda Vladimirova Radeva, Tsetska Borisova	Hybrid Zn coatings with incorporated modified PANI particles – preparation and corrosion characterization	Oral
243	Symposium 2: Functional Composite Materials (FCM)	Liu, Xiaojing; Lu, Yangcheng	Tailoring emulsion polymerization for high- yield synthesis of Tween 80 stabilized magnetic polystyrene nanocomposite particles	Oral
244	Symposium 2: Functional Composite Materials (FCM)	Arat, Refik	PS/Silica Aerogel Nanofibers Production for Thermal Insulation	Poster
245	Symposium 2: Functional Composite Materials (FCM)	Sburlati, Roberta; Cianci, Roberto	On Hashin's bounds for elastic properties of spherical particle- reinforced composites with graded interphase	Oral
246	Symposium 2: Functional Composite Materials (FCM)	Feng, Keqin; Zhou, Hongling; Liu, Yanfang; Ke, Sixuan	Study on the effect of electric current on the W- Mo-Cu composites rapidly prepared by large current electric field sintering	Oral
247	Symposium 2: Functional Composite Materials (FCM)	XIE, XINYUAN Peng, Jiehui Zheng, Shiqi Cao, Chezhen Lin, Ting-Chiang Xie, Weiguo Li, Xiaochun	Nanoparticles Reinforced Silica Gels: Structure and Properties	Oral
248	Symposium 2: Functional	Li, Xiang; Zhou, Yuan;	Mechanical Properties and Thermal Stability of Basalt	Poster



	Composite Materials (FCM)	Hai, Chunxi; Ren, Xiufeng; Zeng, Jinbo; Shen, Yue; Sun, Yanxia	Fiber Reinforced Magnesium Oxychloride Cement	
249	Symposium 2: Functional Composite Materials (FCM)	Wu, Xu; Zhang, Yichun	Coatings with crude oil repellency	Oral
250	Symposium 2: Functional Composite Materials (FCM)	Kim, Taehee; Kim, Miri; Lee, Wonjoo; Lim, Choong-Sun; Seo, Bongkuk	The Synthesis of Branched Amines with polyether and the Studies of Physical Properties of Epoxy Composites Including the Amines	Poster
251	Symposium 2: Functional Composite Materials (FCM)	Makhetha, Thollwana; Moutloali, Richard Motlhaletsi	PHOTODEGRADATION OF ORGANIC DYES USING COBALT-BASED METAL ORGANIC FRAMEWORK (ZIF-67) CATALYSTS SUPPORTED ON GRAPHENE OXIDE UNDER SIMULATED SOLAR IRRADIATION	Oral
252	Symposium 2: Functional Composite Materials (FCM)	amin, noorul ghani, usman gul, saeed	oral presentation	Rejected
253	Symposium 2: Functional Composite Materials (FCM)	Tan, Mei Chee Zhao, Xiny Sun, Yang Chen, George He, Chaobin Tan, Dawn	Infrared Emitting Photonic Composites for Polymeric Waveguide Amplification	Oral
254	Symposium 2: Functional Composite Materials (FCM)	Corinaldesi, Valeria; Donnini, Jacopo	Cement-based composites with Short Carbon Fibers for Self Sensing Properties	Oral



255	Symposium 2: Functional Composite Materials (FCM)	Kocich, Radim Kunčická, Lenka Strunz, Pavel Ryukhtin, Vasyl Kempny, Michal Macháčková, Adela	Innovative Cu/Al laminated composite wire conductors: effect of rotary swaging on electric properties and structural characteristics	Oral
256	Symposium 2: Functional Composite Materials (FCM)	Danfeng, Yu Jianjia, Huang Xu, Wu Xiubin, Xu Hui, Yang	Ultra-high flux and efficient oil-water separation via polymer-based electrophoretic deposition	Poster
257	Symposium 2: Functional Composite Materials (FCM)	Steffen, Werner; Lijun, Ye; Fei, Chen; Liu, Jie; Gao, Aiting; Kircher, Gunnar; Mars, Julian; Asadi, Kamal; Mezger, Markus; Kappl, Michael; Wegner, Seraphine; Butt, Hans- Jürgen	Responsive Ionogel with Switchable Surface Properties	Oral
258	Symposium 2: Functional Composite Materials (FCM)	Ye, Xinli Chen, Zhaofeng Zhang, Junxiong ZHou, Qian bo	Three-dimensional reticulation SiC/porous carbon foam aerogel composites for thermal insulation devices	Oral
259	Symposium 2: Functional Composite Materials (FCM)	Yang, Wanmin	Theoretical and numerical calculation of trapped field distribution of single domain GdBCO bulk and ring superconductors by Gd+011 TSIG methods	Oral
260	Symposium 2: Functional Composite Materials (FCM)	Yang, Wanmin	Theoretical and numerical calculation of trapped field distribution of single domain GdBCO bulk and ring superconductors by Gd+011 TSIG methods	Oral



261	Symposium 2: Functional Composite Materials (FCM)	Wu, Cao chen, zhaofeng	Graphene oxide/ phenolic resin nanocomposite fibers with high-strength, towards and dielectric tunable performance	Oral
262	Symposium 2: Functional Composite Materials (FCM)	YOU, Fei ZHANG, Yu WANG, Zhenhua XU, Zhiliang SUN, Wei	Developments of Fiber- reinforced Composites Applied in Wind Turbines and Their Thermal and Fire Safety Issues	Invited
263	Symposium 2: Functional Composite Materials (FCM)	Liu, jie	Elastic Superhydrophobic and Photocatalytically Active Films used as Blood Repellent Dressing	Oral
264	Symposium 2: Functional Composite Materials (FCM)	Rohan, Eduard; Lukeš, Vladimír; Heczko, Jan	Multiscale modelling of Piezoelectric Porous Architectures for design of smeared peristaltic fluid pumps	Oral
265	Symposium 2: Functional Composite Materials (FCM)	Ma, Yan; Yang, Anxia; Niu, Fenglei; Zhu, Huiping; Liu, Fang; Guo, Zhangpeng	Effects of Bi ₂ O ₃ addition on the Mechanical properties of PbO ceramics in Lead-cooled fast reactor	Poster
266	Symposium 2: Functional Composite Materials (FCM)	Fan, Wusheng (1,2); Feng, Ni Chen, Guangming Liang, Lirong Guo, Cun-Yue	Carbon nanotube-based composites and their thermoelectric performance	Invited
267	Symposium 2: Functional Composite Materials (FCM)	Kumar, Pragati Saxena, Nupur	Multifunctional Properties of CdS:SiO ₂ Nanocomposite Thin Films	Invited
268	Symposium 2: Functional Composite Materials (FCM)	Yang, Zenghui; Wang, Chao; Wang, Tingmei; Wang, Qihua	Tough and strong thermoset shape memory polyimides	Poster



269	Symposium 2: Functional Composite Materials (FCM)	Sharma, Sumit; Kumar, Pramod; Chandra, Rakesh	Molecular Dynamics Simulation of SiC-Graphene Reinforced Aluminum Hybrid Composites	Oral
270	Symposium 2: Functional Composite Materials (FCM)	Nasar, Gulfam	Magnesium ferrite/polyvinyl alcohol (PVA) nanocomposites: fabrication and characterization	Oral
271	Symposium 2: Functional Composite Materials (FCM)	Tang, Zhichuan Qiu, Zhengsong Zhong, Hanyi Guo, Baoyu Wang, Xudong Kang, Yujie	Enhancing wellbore stability of water-based drilling fluid using a novel catechol-chitosan biopolymer encapsulators	Oral
272	Symposium 2: Functional Composite Materials (FCM)	Stachowiak, Natalia; Kozłowska, Justyna; Kaczmarek, Halina	Eco-friendly composite materials based on biodegradable polymers and surfactants	Poster
273	Symposium 2: Functional Composite Materials (FCM)	Akinlabi, Basit Akinniyi; Akinlabi, Akinola Kehinde; Bello, Olalekan H	The use of modified cocoa shell in low molecular weight natural rubber compounding.	Oral
274	Symposium 2: Functional Composite Materials (FCM)	Mohd Sani, Mohd Syahrul Hisyam; Muftah, Fadhluhartini; Osman, Ahmad Rasidi	A Review and Preliminary Study of the Composite Section Incorporated with Cold-formed Steel and Oriented Strand Board	Oral
275	Symposium 2: Functional Composite Materials (FCM)	Wang, Huan	Synthesis and Application of Thermoviscosifying High Molecular Polymer	Poster
276	Symposium 2: Functional Composite	Ahmad Saffian, Harmaen Talib, Mohd	Mechanical, Thermal and Dielectric Properties of Poly Propylene Blended	Oral



	Materials (FCM)	Aizam Mohamad Asa'ari, Ainun Zuriyati Md Tahir, Paridah Lee, Seng Hua	with Lignocellulosic for Insulating Biocomposites Material	
277	Symposium 2: Functional Composite Materials (FCM)	Lee, Seng Hua; Ahmad Saffian, Harmaen; Md Tahir, Paridah	Physico-mechanical and biological properties of citric acid bonded rubberwood particleboard	Oral
278	Symposium 2: Functional Composite Materials (FCM)	Panwar, Anjali Malik, Vikas Sonnathi, Neeleshwar Bagga, Anjana	Deciphering the Route to Blinking Metal phase of electrical conductivity in touching semiconductor nanocrystals.	Poster
279	Symposium 2: Functional Composite Materials (FCM)	颖, 许	The effect of defect size on the integrity of CFRP-confined concrete column	Oral
280	Symposium 2: Functional Composite Materials (FCM)	Majumder, Sumit; Satpati, Biswarup; Banerjee, Sangam	Multifunctional Reduced Graphene Oxide (RGO) Wrapped Circular Au Nanoplatelets: Enhanced Photoluminescence, Surface Enhanced Raman Scattering, Photocatalytic Water Splitting and Non-enzymatic Biosensors	Oral
281	Symposium 2: Functional Composite Materials (FCM)	AIGBODION, VICTOR SUNDAY; Ezema, I.C	Novel Multifunctional PKSA _n /A356 alloy composites Synthesis by DLF-SCM	Oral
282	Symposium 2: Functional Composite Materials (FCM)	Kavousian, Sheeva; Alam, Parvez	Honeycomb structures: how accurate does Nature, and indeed engineering, have to be?	Oral
283	Symposium 2: Functional	EIEmbaby, Abeer	Innovative bioactive resin infiltrant	Oral



	Composite Materials (FCM)	Nassar, Mohamed		
284	Symposium 2: Functional Composite Materials (FCM)	Pengbiao, Geng	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage	Poster
285	Symposium 2: Functional Composite Materials (FCM)	Ferreira, Paula	Cytocompatible chitosan-based bionanocomposites with antioxidant, electrically-conductive and superparamagnetic properties	Invited
286	Symposium 2: Functional Composite Materials (FCM)	yao, lei; wu, zhonghua	Temperature Dependence Interface Layer Structural Evolution of Composite Films by SAXS	Poster
287	Symposium 2: Functional Composite Materials (FCM)	ZHANG, Junying Zheng, Kaiweng Zou, Qi Yang, Yacheng Mao, Yingzhu Cheng, Jue	The Chromogen, Structure, and Applications of a Photo , pH , thermal , Solvent-, and Mechanical-Response Epoxy Resin	Oral
288	Symposium 2: Functional Composite Materials (FCM)	CHENG, Jue; LIAN, Qingsong; LI, Kai; ZHANG, Junying	A reliable epoxy-based phase change material: facile preparation, tunable properties, and phase/microphase separation behavior	Oral
289	Symposium 2: Functional Composite Materials (FCM)	Shi, Guopu; Zhang, Liu; Wang, Zhi; Li, Qinggang; Wu, Junyan	Fabrication and mechanical properties of Ti/Al ₂ O ₃ composites with CeO ₂ , Y ₂ O ₃ , and ZrO ₂ doped	Invited
290	Symposium 2: Functional Composite Materials (FCM)	Wang, Jia Chang (1,2); Dommati, Hitesh	Effect of ceramic grain size on fabrication of porous ceramic parts using Solvent Based Slurry Stereolithography	Oral
291	Symposium 2: Functional	Chowdhury, Joydeep	Fabrication of SERS active substrates with	Invited



	Composite Materials (FCM)		Langmuir-Blodgett deposition technique	
292	Symposium 2: Functional Composite Materials (FCM)	Saha, Somsubhra; Chowdhury, Joydeep	Self-affine properties of SERS active substrates: Experimental vis-à-vis theoretical investigations	Poster
293	Symposium 2: Functional Composite Materials (FCM)	Waware, Umesh S.; Hamouda, AMS.	Electrodeposition of Cu on Ni-B nanocomposites improves its mechanical properties	Poster
294	Symposium 2: Functional Composite Materials (FCM)	Zeng, Xiaofei; Bao, Jun; Zhou, Shihui	Mono-dispersed Nanoparticle and Its Functional Optical Nanocomposite	Poster
295	Symposium 2: Functional Composite Materials (FCM)	Tamim, Ahmed Mahfuz; Faruque, Mohammad Rashed Iqbal; Islam, Mohammad Tariqul	Electromagnetic Absorption of SRR Based EF-Structured Meta-Atom for DCS, EESC, 5G, and WiMAX Applications	Invited
296	Symposium 2: Functional Composite Materials (FCM)	Tao, Huajie; Luo, Xianfu; Zhou, Hongqing	Influence of ZnO/Yb ₂ O ₃ doping of (Mg _{0.95} Ca _{0.05})TiO ₃ ceramics on their sintering characteristics and microwave dielectric properties	Poster
297	Symposium 2: Functional Composite Materials (FCM)	Jiang, Jun	Energy Material Design Based on Electric Dipole Simulations	Oral
298	Symposium 2: Functional Composite Materials (FCM)	Yang, Su-Hua; Hung, Ying-Che	Stable Chromaticity of Red Titanate Phosphors for Sensor and Visualization	Poster



299	Symposium 2: Functional Composite Materials (FCM)	Rawat, Neha Kanwar; Panda, P.K	Microwave synthesized conducting polymer-based green nano composites as smart materials	Oral
300	Symposium 2: Functional Composite Materials (FCM)	PANWAR, ANJALI MALIK, VIKAS SONNATHI, NEELESHWAR BAGGA, ANJANA	Theoretical investigations on Stabilization of thermoelectric figure of merit for Bulk nanostructured PbTe System.	Poster
301	Symposium 2: Functional Composite Materials (FCM)	Sonnathi, Neeleshwar Khasimsaheb, Bayikadi Bathula, Sivaiah Chen, Yang-Yuan Bhattacharya, Sriparna Rao, Apparao M.	Significant Improvement of Thermoelectric properties of PbTe Nanocomposite system in the Medium-Low Temperature Range.	Oral
302	Symposium 2: Functional Composite Materials (FCM)	Sokolov, Victor V.	Wave propagation in magnetic functional fluids	Oral
303	Symposium 2: Functional Composite Materials (FCM)	Verga, Fabrizio Giovanni Ezio Staub, Alexandre Schmid, Manfred Wegener, Konrad	Enhanced processing and material properties for powder based Additive Manufacturing with Lanthanum hexaboride composites	Oral
304	Symposium 2: Functional Composite Materials (FCM)	Dimpe, Mogolodi Kgogobi	Fe ₃ O ₄ -SiO ₂ coated tyre-based activated carbon nanofibers as a nanoadsorbent for ultrasound assisted dispersive solid phase extraction of arsenic, cadmium and thallium in environmental samples	Poster



305	Symposium 2: Functional Composite Materials (FCM)	Zheng, Xiaoyu {Rayne}	Three-dimensional printing of piezoelectric materials with designed anisotropy and directional response	Oral
306	Symposium 2: Functional Composite Materials (FCM)	Prasad, Kamal	Deformation induced energy generation using 0.5(Ba _{0.7} Ca _{0.3})TiO ₃ - 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ /PVD F nanocomposites	Oral
307	Symposium 2: Functional Composite Materials (FCM)	Kumar, Akshay; Krishnan, Unni; Kaur, Manjot	MoS ₂ based nanocomposites for photocatalytic degradation of industrial dyes	Oral
308	Symposium 2: Functional Composite Materials (FCM)	Shukla, Dr. Manoj Kumar Misra, Mrs Archana Shukla, Mr Moksh Srivastava, Dr.Deepak	Thermal, Mechanical and Chemical Characterization of Nano Composites Prepared from DGEBA Epoxy Matrix and Nano CaCO ₃	Oral
309	Symposium 2: Functional Composite Materials (FCM)	Daoush, Walid Mohamed Rashad Mohamed Alkhouraiji, Turki S. Alkameas, Moaz A. Albogmy, Turki S.	Microstructure and Properties of Carbon Short Fibers/Copper Composites Fabricated by Electroless Deposition Followed by Powder Metallurgy Technique	Oral
310	Symposium 2: Functional Composite Materials (FCM)	Jin, Zhihe	Modeling of Infiltration Processing of Interpenetrating Piezoelectric Composites	Oral
311	Symposium 2: Functional Composite Materials (FCM)	Santiago, Diana Hung, Ching- chih Hurst, Janet Nguyen,	Boron nitride nanomaterials modifications to improve nanocomposites preparation	Oral



		Baochau Lizcano, Maricela		
312	Symposium 2: Functional Composite Materials (FCM)	Papon, Easir Arafat Haque, Anwarul Spear, Scott K.	3D printed CNT and continuous fiber reinforced hybrid composite for multifunctional applications	Oral
313	Symposium 2: Functional Composite Materials (FCM)	XU, Jianhong	Droplet-based Microfluidics for Smart Emulsions and Functional Microparticles	Invited
314	Symposium 2: Functional Composite Materials (FCM)	Zhang, Xiao-Zhang	Eddy Current on Carbon Fiber Composite	Oral
315	Symposium 2: Functional Composite Materials (FCM)	Alonge, Olayiwola; Ramli, Mahyuddin; Awang, Hanizam	IMPACT OF NANO-METAKAOLIN ON PROPERTIES OF CEMENTITIOUS COMPOSITES	Oral
316	Symposium 2: Functional Composite Materials (FCM)	Lu, Shaohe Hu, Xuefeng Qiu, Junwen Quan, Wenjing Min, Xinjie Hu, Yewei Cheng, Suishi Ji, Peng Tian, Renbing Du, Wei Zhang, Wei (1,2)	Enhanced sensing properties of xylene gas sensors based on Sn ²⁺ -doped NiO nanostructure	Poster
317	Symposium 2: Functional Composite Materials (FCM)	Chen, Sha; Feng, Fan; Li, Sumei	In-Situ synthesis of UiO-66-NH ₂ /sponge and highly efficient adsorption 2, 4-dichlorophenoxyacetic acid in water	Poster
318	Symposium 2: Functional Composite	Luo, Shengq Yih; Chung, Yu Hsiang; Wu, Cheng Ru	Effects of Several Fibers on the Friction Performance of Non-	Poster



	Materials (FCM)		asbestos Organic Friction Composites	
319	Symposium 2: Functional Composite Materials (FCM)	Baik, Youl; Kang, Bo Kyeong; Jung, Moo Young; Choi, Yong	FEM Analysis on the Cold Rolled Gd-B-Duplex Stainless Steels	Poster
320	Symposium 2: Functional Composite Materials (FCM)	Li, Xinyong	Relationships Between Crystal, Internal Microstructures, and Physicochemical Properties of Copper-Zinc-Iron Multinary Spinel Hierarchical Nano-microspheres	Oral
321	Symposium 2: Functional Composite Materials (FCM)	KUANR, BIJOY KUMAR	Ni substituted bismuth ferrites; Design and testing of broad-band Microwave Monolithic Filter and phase shifter	Oral
322	Symposium 2: Functional Composite Materials (FCM)	De Rosa, Igor Maria; Xin, Wenbo; Carlson, Larry	Highly conductive carbon nanotube yarns with improved strength	Oral
323	Symposium 2: Functional Composite Materials (FCM)	Islam, Mazhar	Bio-cellulose-chitosan based biomimetic composites for potential application in bone tissue regeneration	Oral
324	Symposium 2: Functional Composite Materials (FCM)	Hou, Yu Qi, Jimei Hu, Jiwei Huang, Fei Ruan, Wenqian Xiang, Yiqiu Wei, Xionghui	Decolorization of Brilliant Green in Aqueous Phase by the Ordered Mesoporous Pd-Fe/RGO Nanocomposites Using an Artificial Intelligence Aided Modeling and Optimization	Oral
325	Symposium 2: Functional Composite	Li, Dongfeng Xie, Fei Li, Zhihong	Small angle X-ray scattering study on the fractal structure of solid products of bituminous	Poster



	Materials (FCM)		coal at different carbonization temperatures	
326	Symposium 2: Functional Composite Materials (FCM)	Paszkiewicz, Sandra Piesowicz, Elzbieta Irska, Izabela Gawdzinska, Katarzyna Bryll, Katarzyna Kochmanska, Agnieszka Lapis, Agnieszka Sobolewska, Ewa Slaczka, Wojciech	Acrylic based nanocomposites containing hybrid system of mineral nanofillers for dental applications	Oral
327	Symposium 2: Functional Composite Materials (FCM)	Ni, Shuyu; Jiang, Yan; Yuan, Jialei; Gao, Xumin; Shi, Zheng; wang, yongjin	225-nm-thick vertical structure multiple-quantum-well diode	Poster
328	Symposium 2: Functional Composite Materials (FCM)	Ke, Weidong Wu, Xiuwen (1,2); Zhang, Jinlin	Infrared stealth and phase change microcapsules based on stearic acid and nano-iron	Oral