



International Conference on Advanced Ceramics for Sustainability (Cera4S)

Poster Session Schedule

Poster Number	Paper Title	Presenting Author	Evaluation
1	Cyclic and isothermal oxidation studies on novel thermal barrier coating systems	Karthiga Parthiban	28/11/24
2	Study on Electrocatalytic Behaviour of Gold doped Ceria	Buddha Dev	28/11/24
3	Cation size and mass modulated multi-stabilizer zirconia with low thermal conductivity	Sairam Ramachandran	28/11/24
4	Synthesis and characterization of Er ³⁺ doped Yttrium oxide nanoparticle for LED application	S. Sahoo	28/11/24
5	Optimizing Radome Materials: Gelcasting Fused Silica-Based Nanoparticle-Reinforced Ceramic Composites	Banne Nandeeshwar	28/11/24
6	Solvent-Aided Self-Assembly of Kaolin Platelets into Porous Mullite Ceramic Spheres and its' Polymer Syntactic Foams	Ragi T M	28/11/24
7	Design and Development of High Temperature Stable Dimensionally Thin Refractories Using Aerogel Strategy	Rakesh R	28/11/24
8	Role of morphology on the gas-sensing characteristics of WO ₃ screen-printed gas sensors decorated with boron quantum dots	Vishnu V	28/11/24
9	A Novel Paradigm for Rapid Preparation of MXenes using Supercritical Water Approach	Kunal Roy	28/11/24
10	Recycling and Reuse of Spent MgO-C Refractories in the preparation of MgO-C refractories	Aditi Das & Aarya Bhardowaz	28/11/24
11	Synthesis and sintering studies on solid state and sol-gel derived Eucryptite	Aiswarya Anil	28/11/24

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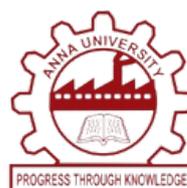


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12	Development of IDE structure based PZT films for Structural Health Monitoring	Deepak Kumar	28/11/24
13	Microstructure, Dielectric and Piezoelectric Properties of Cold Sintered Lead-free (Ba _{0.85} Ca _{0.15})(Zr _{0.1} Ti _{0.9})O ₃ Ceramic	Abinash kumar	28/11/24
14	Tailoring the antibacterial activities of iron nanoparticles with Melatonin	Ramesh Koduru	28/11/24
15	Sustainable Fabrication of Fused Silica-Based Ceramic Composites Using ISOBAM as a Dual-Function Dispersant and Monomer in Gel Casting with MBAM Crosslinker	Rajat Jain	28/11/24
16	Synthesis of MoAlB MAB Phase for Energy Applications	Monika Sharma	28/11/24
17	Enhancement of Electromechanical Characteristics of Lead-Free Porous Piezoceramics for Sensor Applications	Akshay, G .L	28/11/24
18	Silver Decorated NiFe ₂ O ₄ /CuWO ₄ Electrocatalyst for Oxygen Evolution Reactions	Kumar Sanket	28/11/24
19	Enhanced Structural and Mechanical Properties of Ceramic Particulate Reinforced Glass Composites	Vivek Kumar Saroj	28/11/24
20	Enhancing the Thermoelectric Properties of Al-doped ZnO through Functional Gradation of Grain Size	Kshitij Kumar Sharma	28/11/24
21	Synthesis and Characterization of Lithium Aluminosilicate (LAS) Glass-ceramics for Display Application	Anwasha Dutta	28/11/24

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22	Nickel-Catalyzed Carbon Hybrids with a Nasal Vestibular-Like Microstructure from a Preceramic Polymer Route as an Electrode for Supercapacitors	Ashutosh Das	29/11/24
23	Preparation and Evaluation of MWCNT/NiS Heterostructure as a Superior Electrocatalyst	Manikanta P N	29/11/24
24	A novel vanadium carbide hybrid from preceramic polymer route for supercapacitor application	Sudhin Sukumaran	29/11/24
25	High-performance Triboelectric Nanogenerator based on PVDF-HFP/MXene for energy harvesting and utilization as an alternative power source for small-scale application	Pounomi Bera	29/11/24
26	Surface Metallization of ZTA Ceramic Particles with Simple Activation Process	V Nemané	29/11/24
27	Effect of in-situ zinc aluminate and magnesium aluminate spinel on the properties of Al ₂ O ₃ -SiC-C trough castable	Dipanjan Ash	29/11/24
28	Effect of N220 and N990 nanocarbons as carbon source in Al ₂ O ₃ -C refractories	Ankita Bhattacharyya	29/11/24
29	Synthesis of Cf/SiC composite through polymer slurry impregnation pyrolysis and their mechanical characterization	S. Marieswaran	29/11/24
30	Some studies on Polymer-derived SiOC Ceramics for Additive Manufacturing Technology	U. Vanshika	29/11/24
31	Large piezoelectric dielectric and energy storage properties through a tricritical triple point in (Na _{0.5} Bi _{0.5})TiO ₃ -based piezoceramics	Ekta kumari	29/11/24

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32	Optical Engineering of Light Absorption in Two-dimensional Halide Perovskites for Photovoltaic Applications	Abhishek Raj	29/11/24
33	Non-equimolar High Entropy Oxides: Insight through Comparing Two Different Synthesis Routes FSP andRCP for Overall Water Splitting Application	S. Ghosh	29/11/24
34	Effect of A-site cation valency on the magnetic behaviour of high entropy perovskites	Aaditya R. Raghavan	29/11/24
35	Effect of MgAl ₂ O ₄ and ZnAl ₂ O ₄ spinel coating on improving the oxidation resistance of graphite	R. Das	
36	Synthesis and Study of a Ceramic Compound- LiCrO ₂ as an Electrode for Energy Storage Devices	Mariya George	29/11/24
37	Flash Sintering Behaviour of Oxide Composites	Geethu M Nair	29/11/24
38	Photocatalytic Degradation of Rhodamine B with Manganese Zinc Ferrite Catalyst: Influence of Catalyst Dosage, pH and Oxidizer	M. Pujitha	29/11/24
39	Electric and Electromagnetic Field Assisted Processing of Zirconolite Ceramics for Nuclear Waste Disposal	Annapoorani Ketharama	29/11/24
40	Conventional and Microwave-assisted Sintering of 3D Printed Advanced Ceramic Filter Structures	Parvathi Vasudevan	29/11/24
41	Cold sintering followed by low temperature conventional sintering cycles - An energy efficient sintering process for densification of yttria stabilized zirconia	Jabaseelan P	29/11/24
42	Lead-free BaTiO ₃ nanoceramic composites with ferroelectric fluoropolymers	K. Roy	29/11/24

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