

Program for Poster Session I

10:00~19:30, Monday, Dec. 5, 2016

R301 Symposium A: Ferroelectrics, Pyroelectric and Piezoelectric Ceramics

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1A01 0007	Study on flexural vibration of barrel unimorph	Li Li Shenyang University of Chemical Technology
P1A02 0029	Electric Field-Induced Strain Response of Lead Free Fe ₂ O ₃ Nanoparticles-Modified BNKT-Based Piezoelectric Ceramics	Gobwute Rujjanagul Chiang Mai University
P1A03 0039	Effect of surface modifier on sintering properties of SrTiO ₃ ceramics	Wei-Lung Tzeng National Taiwan University of Science and Technology
P1A04 0066	A Bi-directional Standing Wave Linear Piezoelectric Actuator with Four Driving Feet	Ying-Xiang Liu Harbin Institute of Technology
P1A05 0075	Research on the Thermal Characteristics of Bending Hybrid Piezoelectric Actuators under Different Exciting Methods	Wei-Shan Chen Harbin Institute of Technology
P1A06 0082	Developments of a Piezoelectric Actuator with Nano-positioning Ability Operated in Bending Modes	Dong-Mei Xu Harbin Institute of Technology
P1A07 0084	The Numerical and Experimental Research on Acoustic Properties of Piezoelectric Micro-jet	Kai Li Harbin institute of technology
P1A08 0090	Structure, Dielectric and Relaxor Ferroelectric Properties of the Ce, Ca Hybrid Doped BaTiO ₃ Ceramics	Shu-Juan Liu Xi'an Jiaotong University
P1A09 0106	Polarization enhancement of PTO-STO superlattice via cation ordering	Jun-Kai Deng Xi'an Jiaotong University
P1A10 0113	A novel piezoelectric composites spherical cap broadband transducer	Chao Zhong Beijing University of Posts and Telecommunications
P1A12 0117	Research on the Step-Peristalsis Precision Piezoelectric Actuator Excited by Low Frequency Pulse	Jun-Kao Liu Harbin Institute of Technology
P1A13 0119	Influence of Bi ₄ Ti ₃ O ₁₂ doped on structural and piezoelectric properties of (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.87} Ta _{0.06} Sb _{0.07})O ₃ lead-free ceramics	Zi-Jing Dong Shaanxi University of Science & Technology
P1A14 0134	Grains size effect on strain behavior of PLZT 9/x/1-x ceramics	Narit Funsueb Chiang Mai University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1A15 0138	Preparation of Ferroelectric BaTiO ₃ and Nano-Domain-Structured BaTiO ₃ -Bi(Mg _{0.5} Ti _{0.5})O ₃ -BiFeO ₃ Composite Ceramics and Their Piezoelectric Properties	Shin Ariizumi University of Yamanashi
P1A16 0139	Microwave-assisted Solvothermal Synthesis of BaTiO ₃ Nanocubes and Their Characterization	Mutsuki Watanabe University of yamanashi
P1A17 0140	Preparation of <110> Grain-oriented BaTiO ₃ -Bi _{0.5} Na _{0.5} TiO ₃ Ceramics by Reactive Templated Grain Growth Method and Their Piezoelectric Properties	Ryo Itou University of Yamanashi
P1A18 0143	Aging Behaviour of B-site Cerium doped Ba(Ti _{0.99} Mn _{0.01})O ₃	Ying-Ying Zhao Xi'an Jiaotong University
P1A19 0163	Poling Behavior of PVDF Modified Cement-based/Lead-free BNBT Piezoelectric Ceramic Composites	Rattiyakorn Rianyoi Chiang Mai University
P1A20 0165	Influence of Carbon Nanotubes on the Performance of Bismuth Sodium Titanate-Bismuth Potassium Titanate-Barium Titanate Ceramic/Cement Composites	Ruamporn Potong Rajamangala University of Technology Thanyaburi
P1A22 0171	The Defect and Dielectric Relaxation of Nb and Mn Doped BaTiO ₃ Ceramics	Xiao-Jing Yang Xihua University
P1A23 0187	Polarization and Strain Response in Bi-based ceramic composite	Soon-Jong Jeong Korea Electrotechnology Research Institute
P1A24 0202	Aging Behavior of Lead-free (Na,K)NbO ₃ - LiSbO ₃ Piezoelectric Actuators	Jin-Hwan Kim Chung-Ang University
P1A25 0210	Improved dielectric and piezoelectric properties of K/Na exceeded (Na,K)NbO ₃ -BiScO ₃ ceramics with two-step sintering process	Jae-Hoon Ji Chung-Ang University
P1A26 0212	Enhanced piezoelectric properties of Ta doped (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ ceramics	Wook-Hee Han Chung-Ang University
P1A27 0214	Investigation of a New Lead-free BNT-BKT-BZT Piezoelectric Ceramic	Rattiphorn Sumang Pibulsongkram Rajabhat University
P1A28 0221	Fabrication and Electrical Properties of PC-PNZT-PVDF-GO Composites	Nittaya Jaitanong Maejo University, Thailand
P1A29 0224	Ferroelectric hysteresis behavior of 0-3 Modified Bismuth Sodium Potassium Titanate – Portland Cement Composites	Thanyapon Wittinanon Chaing Mai university
P1A30 0225	Effect of Graphite on Poling Time and Electrical Properties of Barium Zirconate Titanate-Portland Cement Composites	Supakporn Aodkeng Chiang Mai University
P1A31 0244	The Study on 1-1-3 Piezoelectric Composite	Lei Qin Beijing Information Science & Technology University
P1A32 0246	Electrical Properties of Ba _{0.85} Ca _{0.15} Zr _{0.10} Ti _{0.90} O ₃ Ceramics Prepared by Seed-Induced Method	Uraiwan Intatha Mae Fah Luang University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1A33 0247	Ferroelectric and Magnetic Properties of $\text{Bi}_{0.8}\text{Pr}_{0.2}\text{Fe}_{0.95}\text{Mn}_{0.05}\text{O}_3/\text{Bi}_{3.96}\text{Gd}_{0.04}\text{Ti}_{2.95}\text{W}_{0.05}\text{O}_{12}$ Bilayer Thin Films	Hone-Zern Chen Hsiuping University of Science and Technology
P1A34 0267	A Shuttle-shaped Differential ME Sensor	Chu-Zhao Qiang Peking University
P1A35 0279	Optimization of Solvothermal Preparation Conditions for Barium Titanate / Perovskite Oxide Nanocomplex Ceramics and Their Dielectric Properties	Watanabe Miki University of Yamanashi
P1A36 0282	High piezoelectric response in the lead free 0.9 BaTiO_3 - (0.1-x) CaTiO_3 - x BaSnO_3 solid solution	Jitkasem Mayamae King Mongkut's Institute of Technology ladkrabang
P1A39 0316	Effect of BNdT on Phase transition behaviour and electrical properties in BNKTZ ceramics	Pichitchai Butnoi Chiang Mai University
P1A41 0334	Effects of Ta Doping on the Microstructure and Electrical Properties of $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ Lead-Free Piezoelectric Ceramics	Chontira Sangsubun Thaksin University
P1A42 0337	Phase Formation and Crystal Growth of Sintered Powder for $\text{Ca}_3\text{TaAl}_3\text{Si}_2\text{O}_{14}$ Piezoelectric Material	Yuui Yokota Tohoku University
P1A45 0352	Thermal Expansion Behaviors of 0-3 Connectivity Lead-Free Barium Zirconate Titanate-Portland Cement Composites	Arnon Chaipanich Chiang Mai University
P1A46 0357	New route development on KNN-based ceramics with Sodium Niobate	Chavalit Suksri Chiang Mai University
P1A47 0362	Study on the Generating Efficiency According to the Shape of the Cantilever-type Piezoelectric Generator	Ho-Ik Jun Changwon National University
P1A50 0409	XANES Spectra, Electrical and Magnetic Properties of Fe-doped $\text{Sr}_2(\text{Ni},\text{Mo})\text{O}_6$ Double Perovskite	Anurak Prasatkhetragarn University of Phayao
P1A51 0413	Local Structure and Evolution of Phase Transition in $\text{Bi}_{0.487}\text{Na}_{0.487}\text{La}_{0.017}\text{TiO}_3$ - BaTiO_3 Lead-Free Materials	Thanit Saisopa Suranaree University of Technology
P1A52 0420	Physical and Piezoelectric Properties of Ceramic in the $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ - $\text{Bi}(\text{Zn}_{0.5}\text{Ti}_{0.5})\text{O}_3$ - PbTiO_3 System	Jiradtakeat Dechawuttikul University of Phayao
P1A53 0429	Effect of CeO_2 on Dielectric, Ferroelectric and Piezoelectric Properties of Lead-Free $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ Ceramics	Pamu Dobbidi Indian Institute of Technology Guwahati
P1A54 0432	Ultrathin Yttrium-doped Hafnium Oxide Films Fabricated by Chemical Solution Deposition	Seon-Hyung Kim Chung-Ang University
P1A55 0435	Hydrothermal Synthesis of Ferroelectric BaTiO_3 Nanoparticles and Their Sunlight-driven Photocatalytic Activity	Ming-Hao Jin Chung-Ang University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1A57 0461	Investigation of Finite Size Scaling for Dielectric Properties by using Monte Carlo Simulation in Ferroelectric System	Se-Hun Kim Jeju National University
P1A59 0478	Effect of two - stage sintering process on structural evolution, microstructure development electrical and magnetic properties of $Mg_{0.7}Zn_{0.3}Fe_2O_4 - Ba_{0.7}Sr_{0.3}TiO_3$	Aurawan Rittidech Mahasarakham University
P1A63 0483	Effect of Firing Temperatures on Electric and Magnetic Properties of BNT-BCTZ-BFCO Piezo-Ceramics Synthesized by the Solid State Combustion	Chittakorn Kornphom Naresuan University
P1A64 0484	Structure Evolution, Microstructure and Electrical Response in KNLNTS Piezo-Ceramics Modified with $(Ba_{0.85}Ca_{0.15})(Ti_{0.90}Zr_{0.10})O_3$ Prepared via the Solid-State Combustion	Chittakorn Kornphom Naresuan University
P1A65 0487	Microstructural Design and Properties of PMNT Crystal - embedded Barium Calcium Zirconium Titanate Ceramics	Piyaporn Jaimeewong Chiangmai University
P1A66 0492	Dielectric and ferroelectric properties of $Bi(Mg_{0.5}Zr_{0.5})O_3$ -Modified $BiFeO_3$ - $BaTiO_3$ Ceramics	Rizwan Ahmed Malik Changwon National University
P1A67 0498	Effect of Bi excess on the piezoelectric properties of 0.60 $BiFeO_3$ -0.40 $BaTiO_3$ Ceramics	Jae-Hong Lee Changwon National University
P1A69 0513	Electrical Properties of $BiFeO_3$ Ceramics	Jeong-Wook Woo Changwon National University
P1A70 0525	Effects of donor and acceptor dopants in BNT-based lead-free piezoceramic on electrical properties and domain structure	De-Long Huang National Taiwan University of Science and Technology
P1A71 0528	Investigation into Deformation of Ultrashort-Pulse Laser Irradiation for Alumina Ceramics Based on Dynamical Theory of Thermoelasticity	B. C. Chen Buddhist Dalin Tzu Chi General Hospital
P1A74 0590	Low Temperature Sintering of CuO-Added $(Bi_{1/2}Na_{1/2})TiO_3$ - $SrTiO_3$ - $BiFeO_3$ Ternary Piezoelectric Ceramics	Jae-Shin Lee University of Ulsan
P1A75 0591	Electromechanical Strain and Dielectric Properties in The Strontium-Excess $(Bi_{1/2}Na_{1/2})TiO_3$ - $SrTiO_3$ Lead-Free Relaxor Ceramics	Jae-Shin Lee University of Ulsan
P1A76 0592	Enhancement of Electric-Field-Induced Strain in Bi-Based Lead-Free Ferroelectric/Relaxor Ceramic Composites Using High Energy Ball Milling Process	Jae-Shin Lee University of Ulsan
P1A79 0127	Improved dielectric temperature stability of $0.7Ba_{0.9}Ca_{0.1}TiO_3$ - $0.3Na_{0.5}Bi_{0.5}TiO_3$ with $LiBa_2Nb_5O_{15}$ addition	Mou-Teng Yao Shaanxi University of Science and Technology
P1A82 0118	Sandwich type orthogonal-bending combination vibration excitations	Xiao-Hui Yang Harbin Institute of Technology
P1A84 0185	Enhanced Resistivity Impact on the Magnetoelectric Properties of Di-phase Multiferroic $BaTiO_3$ - $BaFe_{12-x}Mn_xO_{19}$ Composites	Zi-Yan Gao Shaanxi University of Science and Technology

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1A85 0227	Multiferroic Properties of Tungsten Bronze $Ba_6FeNb_9O_{30}$ Prepared by Microwave Hydrothermal Method	Yu-Jia Xiao Shaanxi University of Science and Technology
P1A87 0524	A Longitudinal-torsional Composite Ultrasonic Vibrator with Thread Grooves	Shen Liu Harbin Institute of Technology
P1A88 0249	Enhanced Ferroelectric and Piezoelectric Property of $La_xBi_{(1-x)}FeO_3$ Ceramics with the Stable Rhombohedral Structure	Yong-Ping Pu Shaanxi University of Science and Technology

3F Hallway

Symposium B: Dielectric Ceramics for Electronic Devices

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1B02 0166	Enhanced Temperature Stability of $Ba(Fe_{0.5}Nb_{0.5})O_3@SiO_2$ Core-shell Structured Ceramics	Chun Wang Shaanxi University of Science and Technology
P1B03 0170	Structure and Dielectric Properties of $Bi_{1.5}ZnNb_{1.5}O_7$ Ceramics Doped with Ru and Mo	Shi-Hua Ding Xihua University
P1B04 0172	Dielectric Properties of BZN Ceramics Doped with Ca^{2+} in A/B-sites	Yong Peng Xihua University
P1B05 0177	Improvement of Giant Dielectric Properties of Al and Mg doped- $La_{2-x}Sr_xNiO_4$ Ceramics by a Glycine Nitrate Process	Prasit Thongbai Khon Kaen University
P1B06 0186	Mechanism of high dielectric performance in $Ba(Fe_{0.5}Ta_{0.5})O_3$ / poly(vinylidene fluoride) composites	Zhuo Wang Shaanxi University of Science and Technology
P1B08 0194	Enhanced dielectric properties of Ag doped $CaCu_3Ti_4O_{12}$ ceramics	Ji-Won Lee Chung-Ang University
P1B09 0218	Effect of Li and Bi Co-doping and Sintering Temperature to Dielectric Properties of PLZT 9/65/35 Ceramics	Apichart Limpichaipanit Chiang Mai University
P1B12 0234	Resistive Switching Behavior and Optical Properties of Transparent Pr-doped ZnO Based Resistive Random Access Memory	Ming-Cheng Kao Hsiuping University of Science and Technology
P1B13 0240	Interfacial Polarizations and Associated Formation Mechanisms of Schottky Barriers in (Al+Nb) Doped- TiO_2 Ceramics	Wattana Tuichai Khon Kaen University
P1B14 0251	The Influence of Sintering Aid on the PTCR Effect and Microstructures of $Ba_{1.022-x}Sm_xTiO_3$ Based Ceramics Sintered in a Reducing Atmosphere	Xu-Xin Cheng Zhaoqing University
P1B15 0259	Bipolar Switching Properties and Electrical Conduction Mechanism of Manganese Oxide RRAM Devices	Kai-Huang Chen Tung Fang Design Institute
P1B16 0261	Bipolar Switching Properties of Neodymium Oxide RRAM Devices Using by a Low Temperature Improvement Method	Kai-Huang Chen Tung Fang Design Institute

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1B18 0287	Sintering Behavior and Microwave dielectric properties of SrTiO ₃ with various Sr/Ti ratios	Meng-Chang Wu National Taiwan University
P1B19 0291	Synthesis, Structural and Electrical Properties of Granular BT-NZF Nanocrystals in Silicate Glass	Pratthana Intawin Chiang Mai University
P1B20 0292	Giant Dielectric Permittivity and Electronic Structure in (A ³⁺ , Nb ⁵⁺) co-doped TiO ₂ (A = Al, Ga and In)	Pornjuk Srepusharawoot Khon Kaen University
P1B21 0320	Preparation of aluminum nitride granules by a two-step heat treatment method	Kuan-Ting Lai National Chung-Shan Institute of Science and Technology
P1B22 0372	Na _x H _{2-x} Ti ₃ O ₇ •nH ₂ O Nanoparticles by a Hydrothermal Method: Preparation, Characterization and Their Bulk Giant Dielectric Properties	Pornsawan Kum-onsa Khon Kaen University
P1B23 0390	Giant Dielectric With Very Low Loss Tangent And Non-Linear Current Voltage Of CaCu ₃ Ti ₄ O ₁₂ Ceramics Prepared By A Sol-Gel Process	Thanin Putjuso Rajamangala University of Technology Rattanakosin
P1B24 0496	Reduced Dielectric Loss with Significantly Enhanced Giant Dielectric Response in CaCu ₃ Ti ₄ O ₁₂ Ceramics by Ge Substitution	Jakkree Boonlakhorn Khon Kaen University
P1B27 0522	Enhancement of Giant Dielectric Response in Rutile TiO ₂ Ceramics by (Zn ²⁺ , Nb ⁵⁺) Substitution	Nateeporn Thongyong Khon Kaen University
P1B29 0544	Dielectric Abnormities in Sb-Single Doped Rutile-TiO ₂ Ceramics	Apiwat Boonkhuang Khon Kaen University
P1B30 0546	Microwave dielectric properties of diopside-based glass-ceramics using low temperature co-fired process with copper electrodes	Po-Hsien Wu National Taiwan University of Science and Technology
P1B31 0548	Dielectric and Ferroelectric Properties of Lead Free Barium Titanate Bismuth Zinc Zirconate Perovskite Ceramics Synthesized with Amorphous Zirconium Oxide	Narit Triamnak Silpakorn University
P1B32 0551	Enhancement of non-linear properties in SnO ₂ varistors by ZnO doping	Niti Yongvanich Silpakorn University
P1B33 0602	Effects of Ta doping on dielectric and ferroelectric properties of Ba _{0.7} Ca _{0.3} TiO ₃ lead-free ceramics	Ppanupong Jaiban King Mongkut's University of Technology North Bangkok
P1B35 0424	Influence of the Sintering Process on the PTCR Effect of Ba _{1.005-x} La _x TiO ₃ Ceramics prepared by the Reduction Sintering-Reoxidation Method	Xu-Xin Cheng Zhaoqing University
P1B36 0219	Extended dielectric constant step from -45°C to 250°C in the system 0.94BaTiO ₃ -0.06(Bi _{0.5} Na _{0.5})TiO ₃ -0.2Bi(Mg _{0.5} Zr _{0.5})O ₃ -xBa(Fe _{0.5} Nb _{0.5})O ₃	Xin Li Shaanxi University of Science & Technology
P1B37 0222	Enhanced grain size effect on electrical characteristics of fine-grained BaTiO ₃ ceramics	Yu Shi Shaanxi University of Science & Technology

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1B39 0184	The size-matching effect in $0.1\text{Na}_{1/3}\text{Ca}_{1/3}\text{Bi}_{1/3}\text{Cu}_3\text{Ti}_4\text{O}_{12-x}\text{Ba}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_{3-(0.9-x)}$ PVDF composites	Tian Wang Shaanxi University of Science and Technology
P1B41 0173	Microstructure, Dielectric Properties and Interfacial Polarization of $\text{Ba}_{0.4}\text{Sr}_{0.6}\text{TiO}_3$ Ceramics: Influence of Sintering Atmosphere	Qian Jin Shaanxi University of Science and Technology

R302 Symposium C: Microwave Ceramics and Tunable Ceramics

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1C01 0021	Dielectric Properties of Nd substitution in $\text{SrLa}_4\text{Ti}_4\text{O}_{15}$ Ceramics at Microwave Frequencies	Cheng-Hsing Hsu National United University
P1C02 0256	Effect of Nd dopant on the Dielectric Constant of $\text{Ba}_{6-3x}\text{Sm}_{8+2x}\text{Ti}_{18}\text{O}_{54}(x=2/3)$ Microwave Ceramics by Linear Regression Analysis	Jian-Mei Xu China University of Geosciences(Wuhan)
P1C03 0273	Structural and Elastic Properties of Tetragonal Perovskite ATiO_3 (A= Ba, Pb, and Sn): First Principles Study	Narasak Pandech Suranaree University of Technology
P1C04 0296	Sintering Behavior and Microwave Dielectric Properties of BaWO_4 Ceramics	Chiao-Yi Tsai National Taiwan University
P1C05 0430	Structural and Microwave Dielectric Properties of $(1-x)\text{MgTiO}_3-x\text{Ba}_5\text{Nb}_4\text{O}_{15}$ Composite	Pamu Dobbidi Indian Institute of Technology Guwahati
P1C06 0486	Effect of TiO_2 on Microwave Dielectric Properties and Temperature-Dependent Dielectric Responses of $\text{Zn}_{1.01}\text{Nb}_2\text{O}_6$ Ceramics	Jie Zhang Tsinghua University
P1C08 0541	Microwave Dielectric Properties of $x[(\text{Mg}_{0.6}\text{Zn}_{0.4})_{0.95}\text{Co}_{0.05}]_2\text{TiO}_4 - (1-x)\text{Ca}_{0.8}\text{Sm}_{0.4}/3\text{TiO}_3$ Ceramics	Shih-Hung Lin TungHai University
P1C09 0559	The Effects of VO_4 and WO_4 Substitution on the Sintering and Microwave Properties of $\text{Ca}_4(\text{La}_4\text{Pr}_2)(\text{SiO}_4)_4(\text{PO}_4)_2\text{O}_2$ and $\text{Ba}_4(\text{La}_4\text{Pr}_2)(\text{SiO}_4)_6\text{O}_2$	Hong-Bo Yang Tatung University
P1C12 0617	Dielectric Constant of Binary Composites Measurement by Mixture Equations at Microwave Frequency	Wen-Shiush Chen National United University

3F Hallway Symposium D: Magnetic, Semiconductive and Superconductive Ceramics

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1D01 0133	Anomalous Resistivity Characteristics of Mg-doped $\text{In}_x\text{Ga}_{1-x}\text{N}$ Thin Films	Pen-Hsiu Chang National Taipei University of Technology
P1D02 0182	Sulfur-oxygen complex defect in CdSe	Pimpika Pimsorn Suranaree University of Technology

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1D03 0198	Ga Acceptor Defects in SnO ₂ Revisited: A Hybrid Functional Study	Nirawith Palakawong Suranaree University of Technology
P1D04 0232	Electrical and magnetic properties of (Al, Co) co-doped ZnO films deposited by RF magnetron sputtering	Sheng-Chi Chen Ming Chi University of Technology
P1D05 0233	Structures, optical and electrical properties of NiO films by reactive magnetron sputtering at various working pressures of pure oxygen environment	Sheng-Chi Chen Ming Chi University of Technology
P1D06 0257	Stress-Induced Phase Transformations in LiGaO ₂ : First Principle Study	Wutthigrai Sailuam Suranaree University of Technology
P1D07 0323	Mössbauer Study of Zinc-substituted Strontium Cobalt Z-type Hexaferrite	Takeyuki Kikuchi University of Hyogo
P1D08 0387	The Effect of Process Control Agent (PCA) Usage on the Structural Properties of MgB ₂ Syntheses by High Energy Ball Mill	Haldun Kurama Eskişehir Osmangazi University
P1D09 0393	XAS analysis and magnetic properties of M-TiO ₂ nanoparticles (M=Co, Mn, Ni and Zn) prepared by co-precipitation method	Chakkaphan Wattanawikkam King Mongkut's Institute of Technology Ladkrabang
P1D10 0411	Microstructure and Magnetic Properties of PbTiO ₃ -Fe ₂ O ₃ Composite Ceramics	Anurak Prasatkhetragarn University of Phayao
P1D12 0456	Electric Properties of YBCO ceramic oxide using thermal process	Sang-Heon Lee Sunmoon University

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Symposium H: Functional Ceramics for Bio-Applications

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1H01 0023	Concentration-dependent Cytotoxicity of Potassium Niobate Sub-micron Particles in Prostate Cancer Cells	John Fisher Chonnam National University
P1H03 0038	Surfactant-free synthesis of mesoporous bioactive glass using spray pyrolysis	Bo-Jiang Hong National Taiwan University of Science and Technology
P1H04 0047	Microstructures and Mechanical Properties of an a-C:N Film as the Interlayer and the Outmost Layer of a DLC-Deposited Ti Bio-Alloy	Chau-Chang Chou National Taiwan Ocean University
P1H05 0055	Novel graphene oxide-containing antibacterial mesoporous bioactive glass	Yu-Chien Lin National Taiwan University of Science and Technology
P1H06 0070	Effect of Sintering Temperature Variations on Fabrication of Lithium Disilicate-Based Glass-ceramic	Wilaiwan Leenakul Rajamangala University of Technology Phra Nakhon,
P1H07 0404	Photocatalytic Inactivation of Bacteria by Hierarchical ZnO and ZnO/Ag Nanostructures under Visible Light	Wan-Chin Yu National Taipei University of Technology

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P1H09 0422	Study on a novel vehicle developed for enhancing the efficacy of radiation therapy	Tse-Ying Liu National Yang Ming University
P1H10 0446	Diameter-sensitive biocompatibility in anodic Ta ₂ O ₅ Nanotubes	Sheng-Wei Lee National Central University
P1H11 0493	Electro-responsive ZnO Nanotube onto Au/PET Substrate for Controlled Biomolecules Release	Chun-Chang Lin Material science and engineering
P1H12 0550	Electrochemical Synthesis of Metallic Nanoparticles via Tailoring Morphologies of TiN Thin Film Electrodes for Glucose Sensors	Pei-Jung Tsai National Chung Hsing University
P1H13 0563	Development of Her-2 Antibody-Conjugated Mesoporous Magnetic Hydroxyapatite Nanoparticles for Breast Cancer Chemohyperthermia	Grace Wenhsu Lien Tatung University
P1H15 0569	Synthesis and Characterization of Co-Zn Zeolitic Imidazolate Framework Membrane by Microwave-Assisted Solvothermal for Efficient Gas Separation Properties	Po-Hsueh Chang National Chiao Tung University
P1H16 0570	Composite Bone Cement Composed of γ -Polyglutamic Acid /Tricalcium Silicate	Yu-Chieh Su National Taipei University of Technology
P1H17 0586	Synthesis and Characterization of Mesoporous Calcium Phosphate Microspheres for Drug Delivery System	Grace Wenhsu Lien Tatung University
P1H18 0595	Synthesis and Characteristics of Iron and Zinc Doped Tricalcium Phosphate	Che-Shun Cheng National Taipei University of Technology
P1H19 0596	Synthesis of Zn doped Hydroxyapatite with Antibacterial and Biocompatibility Properties	Che-Shun Cheng National Taipei University of Technology

Program for Poster Session II

10:00~17:30, Tuesday, Dec. 6, 2016

R302

Symposium E: Optical Ceramics and Single Crystals

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2E01 0036	Optical Properties and Radiation Induced Luminescence of Mg ₂ SiO ₄ Single Crystal	Go Okada Nara Institute of Science and Technology
P2E02 0046	Scintillation and Dosimeter Properties of Tb-doped 12CaO · 7Al ₂ O ₃ Electride Single Crystals Grown by the FZ Method	Narumi Kumamoto Nara Institute of Science and Technology
P2E03 0068	Scintillation and Optical Properties of Ce-doped CaGdAl ₃ O ₇ single crystals	Masaki Mori Nara Institute of Science and Technology
P2E04 0079	Scintillation and optical properties of Ce-doped (Gd ₈ Ca ₂)(SiO ₄) ₆ O ₂ with different Ce concentrations	Takuya Igashira Nara Institute of Science and Technology
P2E05 0080	Scintillation and Dosimeter Properties of CaF ₂ Transparent Ceramic Doped with Eu ²⁺	Fumiya Nakamura Nara Institute of Science and Technology
P2E06 0083	Scintillation Properties of Ce-doped (Y _{0.68} Gd _{0.32}) ₃ Al ₅ O ₁₂ Transparent Ceramics	Shotaro Hirano Nara Institute of Science and Technology
P2E07 0089	The Scintillation Properties of Ga ₂ O ₃ Doped with Bi Grown by Floating Zone Method	Yuki Usui Nara Institute of Science and Technology
P2E08 0091	A Fast Method to Inspect As-Cut Silicon Carbide Wafer by X-Ray Topography	Chi-Wei Liang National Chung-Shan Institute of Science and Technology
P2E10 0136	Preparation of K ₂ SiF ₆ :Mn ⁴⁺ powders and their red-emitting luminescence	Min-Hyuk Im Kyonggi University
P2E11 0141	Rare earth ion-doped glass ceramics based on bismuth germanate system	Surapong Panyata Chiang Mai University
P2E12 0149	Substitutional Solubility Limit for Ce ³⁺ Ions in Lu ₃ Al ₅ O ₁₂ : xCe ³⁺ and Its Effect on Photoluminescence	Jieun Park Kyonggi University
P2E13 0189	Scintillation properties of Ce-doped Tb ₃ Al ₅ O ₁₂ single crystals	Tomohisa Oya Nara Institute of Science and Technology
P2E14 0205	Scintillation and Optical Properties of EuAlO ₃ Crystal	Tomoaki Kuro Nara Institute Science and Technology
P2E15 0216	Cd-free quantum dot light emitting diodes for NIR application	Seung-beom Choi Sungkyunkwan university

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2E17 0241	Optical, Magnetic and Electronic Properties of $\text{CuCr}_{1-x}\text{Al}_x\text{O}_2$ Transparent Conducting Oxide	Teerasak Kamwanna Khon Kaen University
P2E19 0252	Scintillation and Dosimetric Properties of Eu Doped MgO Transparent Ceramics	Noriaki Kawaguchi Nara Institute of Science and Technology
P2E20 0270	Photocatalysis and Luminescence Properties of Zinc Stannate Oxides	Mu-Tsun Tsai National Formosa University
P2E21 0283	Hole localization in cubic BaTiO_3 : A Hybrid Density-functional Study	Worawat Traiwattanapong Kasetsart University
P2E22 0290	Crystal growth and optical properties of $\text{Eu:Li}(\text{Ca,Sr})\text{AlF}_6$ single crystals	Chieko Tanaka Tohoku University
P2E23 0313	Crystal growth and evaluations of $\text{Ce: Cs}_2\text{LiYCl}_6$ single crystal grown by modified micro-pulling-down method	Tomoki Ito Tohoku University
P2E24 0328	Parameters that affect grown of ZnO nanorods by hydrothermal method	Joon-Seop Kwak Sunchon National University
P2E25 0348	Direct synthesis and growth mechanism of metal molybdate (AMoO_4 ; A = Ca and Ba) via the mechanochemical method	Wanwisa Janbua King Mongkut's Institute of Technology Ladkrabang
P2E26 0353	Phonon properties of MgSiN_2 from first principles study	Sittichain Pramchu Chiang Mai University
P2E27 0379	Photoelectric characteristics of cosputter-deposited IZTO composite film	Ke-Ding Li National Chung-Shan Institute of Science and Technology
P2E28 0389	Scintillation and Optical Property of Alkali-Earth Metal co-doped SrHfO_3 Ceramics	Hiroyuki Chiba Tohoku University
P2E29 0401	Contactless Characterization of Alumina Doped 6H-SiC Single Crystal Substrate	Bang-Ying Yu National Chung-Shan Institute of Science and Technology

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Symposium E: Optical Ceramics and Single Crystals

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2E31 0431	Investigation the Influence of Initial Powder Size on Optical Properties of $\text{Dy-}\alpha\text{-SiAlON}$ Ceramics Fabricated by Gas Pressure Sintering	Semra Kurama Aandolu University
P2E33 0439	Temperature dependence of Y, La-admix gadolinium pyrosilicate scintillator	Takahiko Horiai Tohoku University
P2E34 0449	A Study of Optical Properties of Erbium Oxide Thin Films Synthesized by Sol-Gel Method	Mei-Hua Chou National Taipei University of Technology



Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2E36 0510	Structure and photoluminescence properties of Mg ₂ LaTaO ₄ doped with Eu ³⁺ ions	Yee-Shin Chang National Formosa University
P2E37 0538	First-principles calculation of resonant x-ray emission spectra applied to InN.	Nuchalee Schwertfager Suranaree University of Technology
P2E38 0552	Improved Efficiency Of Light Emitting Diode By Optical Functional Structures On Flip Chip LED Surface	Young-Hoon Sung Korea University
P2E39 0562	Characterization of Infrared transmittance in mixed transition metal oxides for Solar Cells application	Shu-Yi Tsai National Cheng Kung University

3F Hallway

Symposium F: Thin and Thick Films of Electronic Ceramics

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2F02 0088	Effect of RF Power on the Microstructures and Dielectric Properties of Zn ₂ TiO ₄ Thin Films by RF Magnetron Sputtering	Xiang-Fu Ding Lunghua University of Science and Technology
P2F03 0095	Design and fabrication of micromachined pyroelectric infrared detector array by PZT thin films	Hui-Feng Zhao Xi'an Jiaotong University
P2F04 0104	Structural and optical properties of Ca doped BiFeO ₃ thin films prepared by a sol-gel method	Lu Yao Sun Yat-Sen University
P2F05 0105	The ferroelectric and optical properties of Ti doped BiFeO ₃ thin films by a sol-gel technique	Xiao-Hang Wu Sun Yat-Sen University
P2F06 0128	Unipolar Resistive Switching Properties of Pr-doped ZnO Thin Films	Shuai He Sun Yat-sen University
P2F07 0129	Ce-doping Induced Enhancement of Resistive Switching Performance of NiFe ₂ O ₄ Memory Devices	Aize Hao Sun Yat-Sen University
P2F09 0151	Preparation and Crystal Structure of Epitaxial YSZ Thin Film Deposited on Porous Si	Yuki Hiyoshi Shizuoka University
P2F10 0152	Magnetoelectric Effect of CoFe ₂ O ₄ /Pb(Zr, Ti)O ₃ Films with 2D Close-packed Shell Structure	Mori Hironori Shizuoka University
P2F11 0161	Thickness dependent physical properties of epitaxial La _{0.7} Sr _{0.3} MnO ₃ thin films prepared by chemical solution deposition method	Yuanyuan Zhang East China Normal University
P2F12 0179	Analysis on Ultrashort-Pulse Laser Ablation for Nanoscale Film of Ceramics	C. Y. Ho Hwa Hsia University of Technology
P2F13 0190	Preparation of PZT thin film on Porous Si with Controlled Microstructure	Kazuki Takabayashi Shizuoka University



Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2F14 0204	Stress Induced Effect for PMN-PT Thin Films on Si substrate	Takeharu Yamada Shizuoka University
P2F15 0208	Epitaxial Growth and Electrical Properties of PZT /Ga-doped ZnIn ₂ O ₄ Thin Films	Koki Suzuki Shizuoka University
P2F16 0209	Spontaneous Superlattice Formation and Thermoelectric Property of (La,Sr)CoO ₃ Thin Films by PLD in the Magnetic field	Shota Koda Shizuoka University
P2F17 0213	Structural and piezoelectric properties in (111) tetragonal/rhombohedral Pb(Zr,Ti)O ₃ artificial superlattice thin films	Youhei Ebihara Nagoya University
P2F18 0250	Resistive Switching Properties in Cu/Graphene Oxide/Al Structural Device	Chun-Chieh Lin National Dong Hwa University
P2F19 0260	Structure influence on the physical properties of La _{0.7} Sr _{0.3} MnO ₃ / La _{0.7} Ca _{0.3} MnO ₃ multilayer thin films fabricated by chemical solution deposition method	Wenxia Dong East China Normal University
P2F20 0280	Investigation on Physical Properties of Nb Doped ZnO Films Prepared by Pulsed Laser Deposition	Yu-Chen Syu Minghsin University of Science and Technology
P2F21 0286	Chemical Solution Deposition of Hafnia-Zirconia Ultrathin Films for Ferroelectric Capacitor	Hiroshi Uchida Sophia University
P2F22 0295	Electrical and Optical Properties of Plasma Treated Mo-doped InO films Synthesized by Polymer Assisted Deposition Method	Ji-Myon Lee Sunchon National University
P2F23 0301	Hydrogen Sensors Based on Gold Nanoclusters Assembled onto ZnO Nanostructures at Low Operating Temperature	Supab Choopun Chiang Mai University
P2F24 0303	MBE Growth of Scandium Nitride Films on M-face Sapphire Substrates	Takeshi Ohgaki National Institute for Materials Science
P2F25 0304	The ac sub-coercive-field dielectric responses of (Pb, Sr)TiO ₃ films at low temperature	Jing Yang East China Normal University
P2F26 0327	Sputtered hybrid Indium-Tin-Oxide transparent p-electrodes for high-efficiency III-nitride Light-Emitting Diodes	Joon-Seop Kwak Sunchon National University
P2F27 0345	Resistive Switching Properties in Environmentally Friendly Material - Albumin of Duck Egg	Chun-Chieh Lin National Dong Hwa University
P2F28 0356	Room Temperature Ethanol Sensing Properties of FET Sensors based on ZnO Nanostructures	Ekasiddh Wongrat University of Phayao
P2F30 0396	Lanthanum Doped Bismuth Ferrite for Perovskite Solar Cell	Phathaitep Raksa Rajamangala University of Technology Isan
P2F31 0410	Comparative first-principle investigation of the conductive type and stability in Sn-, Li-doped and Li-Ni co-doped ZnO nanosheet	Chumpol Supatutkul Chiang Mai University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2F32 0423	Substrate placement angle-dependent growth of Ga/F co-doped ZnO nanostructures synthesis by hydrothermal process	Krisana Chongsri Rajabhat Rajanagarindra University
P2F34 0441	Thermal stability of low resistance and high transparent AZO films with an embedded Ag layer	Hsieh-Chang Yen Minghsin University of Science and Technology
P2F35 0442	Characterization of Ag on di-electrical layer under oxygen plasma exposure	Yu-Chi Huang Minghsin University of Science and Technology
P2F36 0443	TiO _x /Metal/WO ₃ transparent electrodes with enhanced in-fra red transmittance	Jia-Wen Zheng Minghsin University of Science and Technology
P2F38 0459	Gas Sensing and Photocatalysis of Electrospun CuO/ -Fe ₂ O ₃ Nanofibers	Chun-Wei Lin Nation Chung Hsing University
P2F39 0460	NiO/SnO ₂ Nanowire Heterostructure for Enhanced NO ₂ Gas Sensing	Kuan-Ti Liao National Chung Hsing University
P2F41 0489	Acetone Gas Sensors based on ZnO Nanostructures Decorated with Pt and Nb	Ekasiddh Wongrat University of Phayao
P2F42 0506	Post-annealed Gallium in AZO/Ga/AZO Multilayer Thin Films	Chawalit Bhoomanee Chiang Mai University
P2F43 0516	Fabrication of Low-k Porous SiO ₂ /PLA Hybrid Film	Chih-Wei Hsiao National Taiwan University of Science and Technology
P2F44 0519	Structural and physical properties of B ₂ O ₃ -doped ZnO thin films deposited by pulsed laser deposition	Nai-Yi Lin Minghsin University of Science and Technology
P2F45 0554	Ablation Characteristics of Femtosecond Laser Processing for Nanometer-sized Ceramic Films	B. C. Chen Buddhist Dalin Tzu Chi General Hospital
P2F47 0560	Effects of Annealing on the Resistive Switching Properties of Random Access Memory Based on Ytria-stabilized Zirconia	Jyh-Shiarn Cherng Ming Chi University of Technology
P2F48 0561	Preparation of MgO-doped ZnO thin films by pulsed laser deposition and investigation on their structural and physical properties	Zong-Zhe Liu Academia Sinica
P2F50 0571	Effects of Total Solution Concentrations on the Growth of Ba _x Sr _{1-x} TiO ₃ films over TiN/Si Prepared by a Hydrothermal-Galvanic Couple method	Pei-Hsuan Chan National Chung Hsing University
P2F51 0573	Formation and Characterization of Ba _x Sr _{1-x} TiO ₃ Films on TiN/Si by Plasma Electrolytic Oxidation	Jia-Shuang Chen National Chung Hsing University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2F59 0265	Hybrid transparent electrodes of silver nanowires: Effects of metal oxide layers and annealing process	Keh-Moh Lin Southern Taiwan University of Science and Technology

R301 Symposium G: Ceramics for Energy and Environment

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2G01 0027	Effect of Plasma Spraying Power on LSGM Electrolyte of Metal-supported Solid Oxide Fuel Cells	Chang-Sing Hwang Institute of Nuclear Energy Research
P2G02 0048	Different Ligand Exchange Solvent Systems Effect on CuIn _{0.7} Ga _{0.3} Se ₂ Densification	Chang-Ting Yang National Cheng Kung University
P2G04 0057	Catalytic Properties of Ceria on the Performance of SOFC Running on Methane	Bok-Hee Kim Chonbuk National University
P2G07 0076	All-solid-state lithium battery based on cubic garnet-type Li _{6.75} La ₃ Zr _{1.75} Ta _{0.25} O ₁₂ composite solid electrolyte	Ting Liu Tsinghua University
P2G08 0081	Enhanced lithium-ion conductivity in a LiZr ₂ (PO ₄) ₃ solid electrolyte by Al doping	Yi-Bo Zhang Tsinghua University
P2G09 0111	Enhancement of Light Extraction Efficiency for GaN-based Light Emitting Diodes using ZrO ₂ High-Aspect-Ratio Pattern as Scattering Layer	Hak-Jong Choi Korea University
P2G10 0132	Crystal Structure and Electrical Properties of La/Ge Based Apatite Ionic Conductors	Chi-Yuen Huang National Cheng Kung University
P2G11 0164	Electrodeposited Ni(OH) ₂ Nanowires as High Performance Electrode Materials for Supercapacitor	Ji-Liang Zhu Sichuan University
P2G12 0168	Preparation and Properties of WO ₃ Coated Mesocarbon Microbeads for Supercapacitor	Chih-Yu Wen National Sun Yat-Sen University
P2G13 0169	Preparation and Characterization of CuCrO ₂ -CeO ₂ Binary composite nanopowder by a Self-combustion Glycine nitrate Process	Sheng-Yi Lin National Taipei University of Technology
P2G14 0174	Surface Treatment of Tungsten Oxide Film by Oxygen Plasma for Electrochromic Device	Chih-Yu Wen National Sun Yat-Sen University
P2G15 0175	Thermoelectric Properties of Bilayer YBa ₂ Cu ₃ O _{7-x} -Na _y CoO ₂ Ceramics	Pimpilai Wannasut Chiang Mai University
P2G16 0180	Preparation and Phase Formation Behavior of Methylammonium Lead Iodide Perovskite Materials	Jintara Padchasri Suranaree University of Technology
P2G18 0207	Phase, Microstructure and Electrical Transport Properties of (1-x)DyBCO-xBNT Ceramics	Paitoon Boonsong Chiang Mai University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2G19 0211	Comparative study on the thickness effects of output energy based on (Bi,Sc)O ₃ -(Pb,Ti)O ₃ multilayered structure	Joong Hyeon Ahn Chung-Ang University
P2G20 0217	Piezoelectric micro-generators based on PVDF and BCZT composites	Dong-Jin Shin Chung-Ang University
P2G21 0226	The Effect of Different Vanadium Source to Electrochemical Performance of Sodium Vanadium Phosphate for Sodium Ion Battery	Samuel Jafian Yuan Ze University
P2G22 0274	Improved Cell Performance of Ba _{0.8} Sr _{0.2} Ce _{0.75} Y _{0.2} In _{0.05} O _{3-δ} Anode Supported Electrolyte for Proton-Conducting Solid Oxide Fuel Cells via Tape Casting and Co-sintering Process	Kai-Ti Hsu National Central University
P2G23 0293	The preparation of Porous Metal Organic Framework for Adsorption Chiller	Thomas Chung-Kuang Yang National Taipei University of Technology
P2G25 0307	The Optimum Sintering Condition For KSrPO ₄ :Eu ³⁺ Phosphors Applied In WLEDs	Ru-Yuan Yang National Pingtung University of Science and Technology
P2G27 0333	Electric Arc Furnace Dust as a Regenerable Sorbent for the Removal of Hydrogen Sulfide	Yu-Ming Su Institute of Nuclear Energy Research
P2G28 0335	Electrospinning of Pr ₂ CuO ₄ fiber and its cathode application in solid oxide fuel cell	Te-Wei Chiu National Taipei University of Technology
P2G29 0338	Large area selenization/sulfurization process for CIGS solar cell.	Wu-Cheng Han National Chung Shan Institute of Science and Technology
P2G32 0367	Preparation and performance of Lanthanum doped Pr ₂ NiO ₄ cathode material by solid state reaction for IT-SOFCs	Bea-Yinn Hwang National Taipei University of Technology
P2G33 0368	The preparation of Al ₂ O ₃ -NiAl composites for the application of thermal management	Hsiu-Ching Hsu National Taiwan University
P2G35 0375	Thermal Conductivity and Dielectric Properties of the PEDOT:PSS-AIN Fillers Reinforced Water-Soluble Polymers Composites	Liang-Fang Fan National Cheng Kung University
P2G37 0386	The influence of thermal treatment on calcium cobalt oxides thin films by rapid-thermal annealing	Yu-Jung Cha Sunchon National University
P2G38 0388	Comparison of phase evolution and device properties for CIGS absorber prepared by selenization of evaporated metallic layers	Te-Ju Chung National Chung-Shan Institute of Science and Technology
P2G39 0394	Electrical characteristics of YSZ thin film on GDCCSr Electrolyte	Ching-Han Hua National Taiwan University of Science and Technology
P2G41 0398	The Electrochemical Characteristic and Structure Stability of Bi _{0.85-x} Ca _{0.15} Zr _x O _{1.5-δ} Solid Oxide Fuel Cell Electrolyte	I-Ming Hung Yuan Ze University
P2G43 0402	Nanostructured TiO ₂ Films Prepared by Wet Corrosion and Their Application to Dye-sensitized Solar Cells	Jong-In Hong Chung-Ang University

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2G44 0403	TiO ₂ Nanowire Networks Prepared by Wet Corrosion and Their Application to Dye-sensitized Solar Cells	Jong-In Hong Chung-Ang University
P2G46 0408	Metal-free Organic Dyes Featuring a 3-hexylthieno[3,2-b]thiophene Spacer and Their Application to Dye-sensitized Solar Cells	Dong-Suk Lim Chung-Ang University
P2G47 0414	Required Material Properties for CIGS Absorber layer	Chih-Pong Huang National Chung-Shan Institute of Science & Technology
P2G48 0426	Amino Acid-Mediated Preparation of ZnO Nanocrystallite Aggregates for Dye-Sensitized Photoanodes	Wan-Chin Yu National Taipei University of Technology
P2G49 0433	Surface Treatment of Mesoporous TiO ₂ Films and Its Effect on Dye Adsorption of Coplanar D- π -A Organic Sensitizers	Dong-suk Lim Chung-Ang University
P2G50 0447	Hydrothermal Synthesis of Nanosize V ₂ O ₅ as An Active Cathode Material for Rechargeable Magnesium Batteries	Shao-Yu Guo National Taipei University of Technology
P2G51 0450	The Study of 8YSZ Electrolyte Fabrication on Plasma Sprayed Tubular Porous Anode by the Dip-coating Method	Yung-Chin Yang National Taipei University of Technology
P2G52 0451	Influences of Feedstocks on the Processes and Microstructures of the Flame-sprayed SOFC Anode	Pei-Kai Sun National Taipei University of Technology
P2G53 0452	Influences of plasma spraying parameters on fabrication of tubular SOFC anode	Pei-Kai Sun National Taipei University of Technology
P2G54 0453	A Facile Synthesis of alpha-MnO ₂ Air Cathode for Improved Electrochemical Performance of Zn-Air Battery	Yu-Lin Kuo National Taiwan University of Science and Technology
P2G55 0454	The processing improvement and performance analysis of the La _{0.85} Sr _{0.15} Ga _{0.8} Mg _{0.2} O _{2.825} electrolyte-supported fuel cell	Wei-Han Huang National Taipei University of Technology
P2G56 0465	Pseudocapacitive Performance of Manganese Oxide Coated Hierarchical Cobalt Oxide Structure Prepared by Hydrothermal Process	Chin-Yi Chen Feng Chia University
P2G57 0477	Effect of Y ₂ O ₃ additives on characterization of alumina – magnesia ceramic	Aurawan Rittidech Mahasarakham University
P2G58 0494	Property analysis of Ce _{0.8} Sm _{0.15} R _{0.05} O _{2-δ} (R = Sm, Ca, La) and Ce _{0.8} Sm _{0.15} Ca _{0.025} Sr _{0.025} O _{2-δ} electrolyte materials synthesized by sol-gel method	Wan-Yu Chen National Taipei University of Technology
P2G59 0545	Synthesis of Cu, Ag and Au Nanoparticles by DC Arc-Discharge for Efficiencies Enhancement in Polymer Solar Cells	Supanat Wongkrajang University of Phayao
P2G60 0549	Simple Template-Free Synthesis of Bi ₂ O ₃ Microflowers composed of microrods	Mitsunori Yada Saga University
P2G62 0584	Interactions of Organic Additives in the Water-processed Lithium-ion electrodes	Chi-Au Chen National Taipei University of Technology

Poster no. Paper no.	Topic	Corresponding Author Affiliation
P2G63 0603	Structure and electrical properties of Nb-doped SrVO ₃ novel SOEC cathode material	Jakub Karczewski Gdansk University of Technology
P2G64 0606	La ₂ NiO _{4+δ} and noble metal nano-crystalline cathodes for SOFC prepared by infiltration method	Piotr Jasinski Gdansk University of Technology
P2G66 0272	Visible light driven photoelectrochemistry of self-assembled BiFeO _{3-ε} -Fe ₂ O ₃ vertical heteroepitaxy	Le-Thi Quynh National Chiao Tung University
P2G70 0145	Modeling And Experiment Of A Frequency-Tunable Hybrid Energy Harvester	Zhen-Long Xu Hangzhou Dianzi University
P2G71 0238	Piezoelectric Energy Harvesting from Aeroelastic Vibration	Jin-Da Jia Harbin Institute of Technology
P2G72 0239	One-step Calcination Method for Synthesis of TiO ₂ /g-C ₃ N ₄ Heterostructure Photocatalyst with Large Surface Area and Excellent Photocatalytic Activity	Guo-Dong Shen Shaanxi University of Science & Technology
P2G73 0281	Improvement quality of Reaction-Sintered SiC Ceramics for industry production	Xu Yan Qingdao University
P2G74 0576	The Use of Catalytic Ozonation in Membrane Fouling Control	Kuan-Chung Chen National Pingtung University of Science and Technology