

# **CONFERENCE PROGRAM**

**The 7<sup>th</sup> International Conference on the Physics of  
Optical Materials and Devices (ICOM2024)  
AND  
The 4<sup>th</sup> International Conference on Phosphor  
Thermometry (ICPT2024)**

**August 26<sup>th</sup> to 30<sup>th</sup>, 2024  
Budva-Bečići, Montenegro**

<b>Sunday, August 25<sup>th</sup>, 2024</b>	
<b>Hotel Mediteran (Convention center)</b>	
<b>16.00-20.00</b>	<b>Registration (Convention center)</b>

<b>Monday, August 26<sup>th</sup>, 2024</b>	
<b>8.00-16.00</b>	<b>Registration (Convention center)</b>
<b>9.00-09.10</b>	<b>Opening Ceremony</b> Chairpersons - Ž. Antić, B. Viana, M. Dramićanin Co-chair – Frank Beyrau
<b>Session 1: 9.15-10.30</b> <i>Session chair: F. Beyrau</i>	
<b>09.10-09.45</b>	Keynote lecture P. Dorenbos <i>How to engineer lanthanide luminescence quenching temperature and lanthanide charge carrier trap depths in compounds</i>
<b>09.45-10.10</b>	Invited lecture M. Ivanov <i>Rare-earth doped sesquioxide nanophosphors made by laser synthesis</i>
<b>10.10-10.35</b>	Invited lecture B. Fond <i>High resolution thermometry in fluid flows based on imaging isolated submicron phosphor particles</i>
<b>10.35-11.00</b>	<b>Coffee Break</b>
<b>Session 2: 11.00-12.30</b> <i>Session chair: P. Dorenbos</i>	
<b>11.00-11.35</b>	Keynote lecture I. Tanaka <i>Recommender System for the Discovery of New Inorganic Compounds</i>
<b>11.35-12.00</b>	Invited lecture R. Marin <i>Extending the reach of luminescence sensing: 3D thermal mapping</i>
<b>12.00-12.15</b>	S. Som <i>Highly Efficient Deep Red-Emitting Mn<sup>4+</sup> Phosphors for Enhanced Plant Growth and Advanced Optical Thermometry</i>
<b>12.15-12.30</b>	B. Bendel <i>Distance control of non-radiative transitions to design luminescent thermometers</i>
<b>12.30-14.30</b>	<b>Break</b>
<b>Parallel Sessions 3, 4 and 5: 14.35-16.00</b>	
	<b>3 Amphitheatre</b> <i>Session chair: M. Ivanov</i>
	<b>4 Amphora</b> <i>Session chair: I. Tanaka</i>
	<b>5 Gallery</b> <i>Session chair: R. Marin</i>

<b>14.35-15.00</b>	Invited lecture C. Winters <i>Dynamic Testing with Thermographic Phosphor Digital Image Correlation</i>	Invited lecture D. Kulesza <i>Pushing the limits: The 25-1225 K Wide Range Garnet Luminescence Thermometers</i>	Invited lecture Y. Li <i>Near-infrared persistent luminescence phosphors</i>
<b>15.00-15.15</b>	A. Kabański <i>Imidazolium-based double perovskites containing Cr<sup>3+</sup> ions for highly sensitive luminescent thermometry</i>	S. Hirsch <i>2D surface phosphor thermometry in a shallow boiling water channel</i>	K. Bogdanov <i>Active microresonators with whispering gallery modes: morphological features and potential applications</i>
<b>15.15-15.30</b>	V. Utochnikova <i>Lanthanide-based luminescent thermometer: from fundamentals to the prototype</i>	O. Le Bourgeois <i>Simultaneous temperature and pressure imaging in aerodynamics research combining luminescent metal complexes and thermographic phosphors</i>	M. Adaszyński <i>The novel, inorganic LED phosphor based on Ce<sup>3+</sup> and Cr<sup>3+</sup> doped silicates</i>
<b>15.30-15.45</b>	C. Kiss <i>Temperature dependence of the excitation and emission spectra in Cs<sub>2</sub>SnCl<sub>6</sub> activated by Sb<sup>3+</sup> and Bi<sup>3+</sup></i>	T. Cai <i>A novel fluid density matched temperature-sensitive phosphorescent particle for simultaneous measurement of temperature and velocity</i>	M. Buryi <i>Influence of the facet of ZnO on the cesium lead bromide attaching abilities in a heterostructure</i>
<b>15.45-16.00</b>	A. Vanetsev <i>The relation between crystallinity and luminescent properties in lutetium</i>	B. Fond <i>Dual-phosphor thermometry to probe the flame particle interaction</i>	M. Motyka <i>Optical properties of InAs/GaSb and InAs/InAsSb type-ii multi quantum</i>

	<i>phosphate nanoparticles</i>	<i>in a model packed bed</i>	<i>wells for mid-infrared optoelectronics applications</i>
<b>16.00-16.30</b>	<b>Coffee Break</b>		
<b>Parallel Sessions 6 and 7, REMTES Project Workshop: 16.30-18.00</b>			
	<b>6 Amphitheatre</b> <i>Session chair: B. Fond</i>	<b>7 Amphora</b> <i>Session chair: C. Winters</i>	<b>REMTES Gallery</b> <i>Chair: M. Dramićanin</i>
<b>16.30-16.45</b>	<b>K. Bartosiewicz</b> <i>From fundamental insight to property control in <math>Tb_2Y_xAl_5O_{12}:Ce</math> (<math>x=1</math> and <math>0.1</math>) garnets via nonstoichiometric engineering: impacts on structure, defects, photoconversion, luminescence and scintillation properties</i>	<b>A. Mendieta</b> <i>Simultaneous online phosphor thermometry and digital image correlation (DIC) during metal formability testing</i>	<b>16.30-16.50</b> <i>V. Đorđević Science Fund of the Republic of Serbia: Opportunities</i>
<b>16.45-17.00</b>	<b>K. Omuro</b> <i>Crystal Growth and Optical Properties of Ce-doped <math>(Lu, Tb)_3(Al, Ga)_5O_{12}</math> Scintillators for X-ray Imaging</i>	<b>T. Naillon</b> <i>Visible/NIR luminescence for nanothermometry with transition metal doped oxides nanoparticles</i>	<b>16.50-17.10</b> <i>Ž. Antić Vinča Institute and OMAS group: Introduction</i>
<b>17.00-17.15</b>	<b>V. Jary</b> <i>Scintillation properties of <math>Zn_2SiO_4</math> nanoparticles in <math>Na_2O</math>-<math>ZnO</math>-<math>SiO_2</math> glass system: Toward a distributed sensor of harmful radiation</i>	<b>R. Vogel</b> <i>Operando Luminescence Thermometry of Propane Dehydrogenation Catalysis</i>	<b>17.10-17.30</b> <i>M.D. Dramićanin REMTES Project: Objectives</i>
<b>17.15-17.30</b>	<b>Y. Urano</b> <i>Development of <math>Tl:Cs_3(Cu, Li)_2I_5</math> Scintillator Crystals for</i>	<b>M. Li</b> <i>YAG:Dy co-doped with Tb for lifetime-based phosphor thermometry</i>	<b>17.30-17.45</b> <i>Ž. Antić REMTES Project: Work</i>

	<i>Neutron and Gamma-ray Dual Detection</i>	<i>from room temperature to 1600°C</i>	<i>Packages 1 and 2</i>
<b>17.30-17.45</b>	<i>K. Kamada Effects of refractive index and grain size on scintillator properties of thermal neutron scintillator</i>	<i>W. Cheng A phase transformation– phosphorescence model of YSZ:Eu and its application in two-dimensional thermal history measurement</i>	
<b>17:45-18.00</b>	<i>S. Kursawa Development of Garnet-type Scintillation Crystal with Infrared Emission Band for the Dose-Rate Sensor with Optical Fiber</i>	<i>T. Cai Three-dimensional surface temperature measurement utilizing lifetime-based phosphor thermometry</i>	<b>17.45-18.00</b> <i>Z. Ristić REMTES Project: Work Packages 3 and 4</i>
<b>19.30-21.00</b>	<b>WELCOME PARTY</b> <b>Open pool</b>		

<b>Tuesday, August 27<sup>th</sup>, 2024</b>	
<b>8.00-16.00</b>	<b>Registration (Convention center)</b>
<b>Session 8 (Amphitheatre): 9.00-10.30</b> <i>Session chair: H. Brault</i>	
<b>9.00-9.35</b>	Keynote lecture M. Suta <i>Selection rules of non-radiative transitions and their consequences for luminescent materials</i>
<b>9.35-10.00</b>	Invited lecture D. Witkowski <i>From demonstration to application: Considerations for high-speed phosphor thermometry in high transient heat flux environments</i>
<b>10.00-10.15</b>	K. Hingerl <i>Can Imaging Ellipsometry Beat the Diffraction Limit?</i>
<b>10.15-10.30</b>	A. Lushchik <i>Detection of radiation-induced frenkel defects in functional metal oxides via optical and EPR methods</i>
<b>10.30-11.00</b>	<b>Coffee Break</b>
<b>Session 9 (Amphitheatre): 11.00-12.30</b> <i>Session chair: M. Suta</i>	
<b>11.00-11.35</b>	Keynote lecture H. Brault <i>Luminescent Coordination Polymers or MOFs as Temperature Sensors</i>

<b>11.35-12.00</b>	Invited lecture M. Brik <i>Transition metal ions for lighting and thermometry - theoretical modeling</i>		
<b>12.00-12.15</b>	Z. Ristić <i>Machine learning assisted thermometry of Mn<sup>5+</sup> doped Ca<sub>6</sub>Ba(PO<sub>4</sub>)<sub>4</sub>O phosphor</i>		
<b>12.15-12.30</b>	G. Sutton <i>Thermal profiles of electrically heated In718 alloy samples using imaging intensity ratio (IR) phosphor thermometry</i>		
<b>12.30-12.45</b>	Mc Labor - Laboratory and Process Equipment Presentation		
<b>12.45-14.30</b>	<b>Break</b>		
<b>Parallel Sessions 10 and 11, REMTES Project Workshop: 14.35-16.00</b>			
	<b>10 Amphitheatre</b> <i>Session chair: D. Witkowski</i>	<b>11 Amphora</b> <i>Session chair: D. Kulesza</i>	<b>REMTES Gallery</b> <i>Chair: Ž. Antić</i>
<b>14.35-15.00</b>	Invited lecture V. Castaing <i>Persistent phosphor thin films: processing and optical environment matter</i>	Invited lecture K. Boldyrev <i>High-resolution spectroscopy for luminescence cryothermometry and magnetic field sensing</i>	<b>14.35-15.05</b> Roundtable REMTES, LEDtechGROW, HYDIS Networking
<b>15.00-15.15</b>	T. Yamamoto <i>Phase Stability and Electronic Structure of Tri-Halide Perovskites</i>	M. Stelter <i>Towards thermographic Shake-The-Box: Combined three-dimensional flow thermometry and velocimetry using thermographic phosphors</i>	
<b>15.15-15.30</b>	T. Förster <i>Design strategies for blue-to-uv upconversion phosphors with Pr<sup>3+</sup></i>	R. Jankowski <i>Molecular frameworks built of luminescent ruthenium(ii) polycyanidometallates for optical thermometry</i>	<b>15.05-16.00</b> Roundtable REMTES: Progress and Plans

15.30-15.45	L. Träger <i>Mn<sup>2+</sup> as a local luminescent probe for unusual ligand field effects</i>	M. Wyczesany <i>Polycyanidometallates as effective tools for modulating europium(III)-terbium(III)-based optical thermometry</i>	
15.45-16.00	G. Kinik <i>A real competitor to classic ruby: Photoluminescence properties of Cr<sup>3+</sup>-activated ALB<sub>4</sub>O<sub>6</sub>N</i>	P. Bonarek <i>Experimental and theoretical studies on the application of dicyanidoplatinates(I) as optical thermometers</i>	
16.30-18.30	<b>POSTER SESSION &amp; Coffee Break</b> <b>Banquet hall</b>		

<b>Wednesday, August 28<sup>th</sup>, 2024</b>	
8.00-10.00	<b>Registration (Convention center)</b>
<b>Session 12 (Amphitheatre): 9.00-10.30</b> <i>Session chair: L. Carlos</i>	
9.00-9.35	Keynote lecture A. Meijerink <i>Lanthanides working together</i>
9.35-10.00	Invited lecture A. Ciric <i>Sensor fusion luminescence thermometry</i>
10.00-10.15	E. Zych <i>How Pr<sup>3+</sup>-doped luminescent thermometers shine - exploring their bright sides and boundaries</i>
10.15-10.30	S. Jobic <i>Topochemistry to the rescue for generating new host matrices for luminescent materials: a study of oA-La<sub>2</sub>O<sub>2</sub>S (Ln= Ce, Eu, Pr)</i>
10.30-11.00	<b>Coffee Break</b>
<b>Session 13 (Amphitheatre): 11.00-12.30</b> <i>Session chair: A. Meijerink</i>	
11.00-11.35	Keynote lecture L. Carlos <i>Water's Hidden Density Dance</i>
11.35-12.00	Invited lecture F. Rabouw <i>Photonic Effects on Lanthanide Luminescence</i>
12.00-12.15	G. Lozano <i>Designed optical environments to tailor the emission on nanophosphor thin films</i>

12.15-12.30	S. Perruchas <i>Luminescence mechanochromism of hybrid copper iodide materials</i>	
12.35-12.45 12.45-14.35	<b>CONFERENCE PHOTO Break</b>	
<b>Parallel Sessions 14 and 15: 14.35-16.00</b>		
	<b>14 Amphitheatre</b> <i>Session chair: F. Rabouw</i>	<b>15 Amphora</b> <i>Session chair: A. Ćirić</i>
14.35-15.00	Invited lecture D. Van der Heggen <i>Persistent phosphors enabling the study of uncommon divalent lanthanides</i>	Invited lecture M. Ramirez <i>Tailoring the optical properties of 2D materials via ferroelectric substrates</i>
15.00-15.15	V. Fritz <i>Persistent Phosphors for Outdoor Applications: Bridging the gap between models and real-world conditions</i>	J. Miller <i>The behavior of La<sub>2</sub>O<sub>2</sub>S:Eu as a function of excitation duration</i>
15.15-15.30	M. Romero Aguilar <i>Rationalizing persistent luminescence: Getting into the processes</i>	S. Chorazy <i>Cyanido metal complexes for advanced solids linking non-linear optics with photoluminescence</i>
15.30-15.45	H. Kai <i>Study on the Photoluminescence and Persistent Luminescence in the Rhombohedral Pyrochlore M<sub>1.99</sub>Mn<sub>0.01</sub>La<sub>3</sub>Sb<sub>3</sub>O<sub>14</sub> (M = Mg, Zn, Ca, Mn)</i>	M. Szymczak <i>Optical pressure sensors utilizing the <sup>4</sup>T<sub>2g</sub> → <sup>4</sup>A<sub>2g</sub> electronic transition of Cr<sup>3+</sup> ions</i>
15.45-16.00	M. Zhao <i>Interstitial Sodium-Stabilized Divalent Europium in Lu<sub>2</sub>SiO<sub>5</sub> and Green Persistent Luminescence</i>	G. Sutton <i>Spectral optimisation of intensity ratio phosphor thermometry for Mg<sub>4</sub>FGeO<sub>5.5</sub>:Mn (MFG)</i>
18.00-00.30	<b>BOAT CRUISE AND CONFERENCE DINNER PARTY</b>	
~18.30 Boarding buses (the exact time will be announced) 20.30-23.30 Boat cruise around the Kotor Bay and Conference dinner 00.30 Return to the hotel		

## Thursday, August 29<sup>th</sup>, 2024

8.00-10.00	Desk open (Convention center)
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<b>Session 16 (Amphitheatre): 9.00-10.30</b>			
<i>Session chair: Z. Xia</i>			
<b>9.00-9.35</b>	Keynote lecture S. Tanabe <i>NIR Persistent luminescence of Er<sup>3+</sup> in REAGG phosphors and their thermometric properties</i>		
<b>9.35-10.00</b>	Invited lecture G. Chen <i>Size-Dependent Lanthanide Energy Transfer Amplifies Upconversion Luminescence Quantum Yields</i>		
<b>10.00-10.15</b>	J. Nedeljković <i>TiO<sub>2</sub>-based interfacial charge transfer complex with dihydroquercetin: Optical properties and reactivity of photogenerated species</i>		
<b>10.15-10.30</b>	D. Alves Galico <i>Magneto-optical thermometry with lanthanide(III) complexes</i>		
<b>10.30-11.00</b>	<b>Coffee Break</b>		
<b>Session 17 (Amphitheatre): 11.00-12.30</b>			
<i>Session chair: S. Tanabe</i>			
<b>11.00-11.35</b>	Keynote lecture Z. Xia <i>Near-infrared luminescent materials and their light sources applications</i>		
<b>11.35-12.00</b>	Invited lecture J. Ueda <i>Development of Hole Detrapping Persistent Phosphors</i>		
<b>12.00-12.15</b>	K. Szczecinska <i>Cadmium(ii)-iridium(iii) coordination chains as chiral luminophores for sensing of organic solvents</i>		
<b>12.15-12.30</b>	Y. Wang <i>Ratiometric Fluorescence Optical Fiber Enabling In-situ and Real-time Temperature Monitoring</i>		
<b>12.30-14.30</b>	<b>Break</b>		
<b>Parallel Sessions 18, 19 and 20: 14.30-16.00</b>			
	<b>18 Amphitheatre</b> <i>Session chair: G. Chen</i>	<b>19 Amphora</b> <i>Session chair: J. Ueda</i>	<b>20 Gallery</b> <i>Session chair: A. Suchocki</i>
<b>14.30-14.55</b>	Invited lecture C.-Geng Ma <i>Unraveling luminescence behavior of 3d<sup>3</sup> ions in solids: Navigating from crystal-field theory to first-principles analysis</i>	Invited lecture C. Latouche <i>Modeling Excited States in Solids: Advancing Accurate Simulation of Luminescence Spectra</i>	Invited lecture A. Gökçe <i>Rare earth-doped glass materials for solid-state lighting: recent advances</i>
<b>14.55-15.10</b>	Y. Abe <i>Temperature dependence of luminescence</i>	F. Gennari <i>Spectroscopic Properties of Nd<sup>3+</sup></i>	M. Gökçe <i>Tb<sup>3+</sup> doped bismuth germanate glass</i>

	<i>characteristics for (Y, Lu, Sc)<sub>2</sub>O<sub>3</sub> single crystal</i>	<i>Doped Sr<sub>2</sub>LaF<sub>7</sub> Nanoparticles</i>	<i>systems for green laser applications</i>
<b>15.10-15.25</b>	<i>T. Runka Raman and high-resolution luminescence spectroscopy of Re doped Gd<sub>1-x</sub>Lu<sub>x</sub>AlO<sub>3</sub> single crystalline films</i>	<i>Y. Zhydachevskyy Possibilities of tuning of Mn<sup>4+</sup> and Cr<sup>3+</sup> luminescence in Ga<sub>2</sub>O<sub>3</sub> by alloying with Al<sub>2</sub>O<sub>3</sub> and In<sub>2</sub>O<sub>3</sub></i>	<i>D. Koçyiğit Influence of alkaline earth fluorides on structural and photoluminescence properties of oxyfluoride glasses</i>
<b>15.25-15.40</b>	<i>T. Horiai Investigation of Sc<sub>2</sub>O<sub>3</sub> Single Crystal for Luminescence Thermometry</i>	<i>A. Racu Correlations of local symmetry with stark splitting of energy levels in lanthanides doped Y<sub>2</sub>O<sub>3</sub> sesquioxide</i>	<i>J. Hrabovsky Linear and non-linear optical and magneto-optical properties of pure and multicomponent tellurite glasses</i>
<b>15.40-15.55</b>	<i>M. Yoshino Growth and scintillation properties of Ce<sup>3+</sup>, Pr<sup>3+</sup>, and Mg<sup>2+</sup> co-doped Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> single crystals</i>	<i>M. Liberka Synchronous switching of electrical and optical properties in organic-inorganic hybrids</i>	<i>D. Alves Galico Lanthanide molecular cluster-aggregates as the next generation of optical materials</i>
<b>15.55-16.10</b>	<i>J. Wang Synthesis, Stability and Application of All-inorganic Perovskite Metal Halide Luminescent Materials for Information Display and Detection</i>	<i>B. Lou Understanding the Excited State Properties and the Luminescence Mechanisms of ns<sup>2</sup> Type Ion Doped Phosphors: A First-Principles Study</i>	<i>M. Taibeche First-principles calculation of electronic structure of Li<sup>+</sup> co-doped Eu<sup>3+</sup>-doped ZnO for photodynamic therapy (PDT) application</i>
<b>16.10-16.30</b>	<b>Coffee Break</b>		
<b>Session 21 (Amphora): 16.30-18.00</b> <i>Session chair: M. Brik</i>			

<b>16.30-17.05</b>	Keynote lecture B. Hadžić <i>Influence of Laser-Generated Heat on the Characteristics of Individual Crystals and Nanopowders</i>
<b>17.05-17.30</b>	Invited lecture M. Piasecki <i>Influence of Orbital Hybridization on the Intensity of the Hypersensitive Transition and Nonlinear Optical Efficiency in RE Activated Compounds</i>
<b>17.30-17.45</b>	L. Puntus <i>Charge transfer states in lanthanide complexes containing effective light harvesting pi-bonded antenna ligands</i>
<b>17.45-18.00</b>	F. Zajić <i>First active afterheater used in laser-diode floating zone method</i>

<b>Friday, August 30<sup>th</sup>, 2024</b>	
<b>8.00-9.00</b>	<b>Desk open (Convention center)</b>
<b>Session 22 (Amphitheatre): 9.00-10.15</b> <i>Session chair: M. Piasecki</i>	
<b>9.00-9.15</b>	L. Aldaz Caballero <i>The role of size and composition in pressure-sensitivity of CuInS<sub>2</sub> QDs</i>
<b>9.15-9.30</b>	M. Lalic <i>Electronic, optical, and photovoltaic properties of the orthorhombic NaBiS<sub>2</sub> compound: a highly perspective photoferroic material</i>
<b>9.30-9.45</b>	A. Benayas <i>Combining Luminescence with Indium-Tin Oxide Nanoparticles as Heating Actuators</i>
<b>9.45-10.00</b>	A. Mandowski <i>Monte carlo calculations for the excitation. A consequence for TL/OSL phenomena and the dose rate effect</i>
<b>10.00-10.15</b>	D. Kruczek <i>Emissive Cerium(III)-Platinum(II) Single-Molecule-Magnets sensitive to solvent vapors</i>
<b>10.15-10.45</b>	<b>Coffee Break</b>
<b>Session 23 (Amphitheatre): 10.45-12.25</b> <i>Session chair: Z. Ristić</i>	
<b>10.45-11.10</b>	Invited lecture Y. Zorenko <i>Recent advancement in development of composite color converters based on epitaxial structures of Ce<sup>3+</sup> doped garnet compounds</i>
<b>11.10-11.35</b>	Invited lecture A. Suchocki <i>Mechanoluminescence of LiTaO<sub>3</sub>:Pr and related materials</i>
<b>11.35-12.00</b>	Invited lecture M. Quintanilla <i>Plasmonic Heating Within the Biological Windows</i>
<b>12.00-12.30</b>	<b>Closing Ceremony</b>

## LIST OF POSTER PRESENTATIONS

P1	C. Nechifor <i>BSA biosensing platform with liquid crystals anchored on physically modified PVA substrate</i>
P2	C. Nechifor <i>Liquid crystals alignment on mechanically modified substrate obtained from irradiated pva solutions</i>
P3	C. Nechifor <i>Induced birefringence of thin foils obtained from UV irradiated poly (vinyl alcohol) solutions</i>
P4	V. Andonova <i>Optical properties and chemical composition of hemp oil</i>
P5	I. Medvid <i>Spectral studies of <math>B_2O_3</math> - ZnO – SrO – CaO glasses doped with <math>Dy^{3+}</math> ions for white light emission applications</i>
P6	L. Dong <i>Spectra control of europium-doped calcium silicate through topochemical reduction strategy for white LED application</i>
P7	J. Miller <i>An approach to the determination of the number of exponential decays present in a decay curve</i>
P8	B. Viana <i>Strontium Aluminate and Garnets Persistent Luminescent Single Crystals</i>
P9	B. Viana <i>Tm:CALGO: Spectroscopy and laser results at 2.3 <math>\mu</math>m</i>
P10	A. Kislov <i>Localized vibrations in photoluminescence spectra of iron-doped ZnO</i>
P11	A. Zatsepin <i>Luminescence of nanoparticles and quantum dots in Zn-implanted silica layers</i>
P12	A. Kenzhebayeva <i>The role of the light lithium ion in the formation of high-temperature peaks of thermally stimulated luminescence in NaCl crystals</i>
P13	T. Koikawa <i>Up-Conversion Luminescence from <math>Ca_2SnO_4:Er</math></i>
P14	Y. Shimazaki <i>Effect of rare earth co-doping on UC luminescence intensity in <math>CaSnO_3:Er</math></i>

P15	L. Oster <i>Kinetic modeling of charge transfer following photon bleaching of irradiated LiF:Mg,Ti</i>
P16	V. Pankratov <i>Fine structure of absorption and excitation spectra of 4f-5d transitions in MeF<sub>2</sub>:Ln, Yb<sup>3+</sup> crystals (Me = Ca, Sr, Ba; Ln = Dy<sup>3+</sup>, Er<sup>3+</sup>)</i>
P17	R. Kawabata <i>Growth, scintillation properties, and pulse shape discrimination capability of (Ca, Mg)I<sub>2</sub> scintillator</i>
P18	P. Costa <i>Real-Time Monitoring of CdTe Quantum Dots Growth</i>
P19	J. Llanos <i>Enhancing c-Si Solar Cell Efficiency in the UV Region: Using Eu<sup>3+</sup> as a Down-Shifting Layer</i>
P20	N. Kaplan <i>A novel approach of microcontroller-based transverse magneto-optical Kerr effect measurement system</i>
P21	J. Pisarska <i>Germanate olivines: fabrication and luminescence measurements in the visible and near-infrared ranges</i>
P22	W. Pisarski <i>Luminescence in Yb<sup>3+</sup>-doped titanate-germanate glass</i>
P23	J. Barzowska <i>Impact of Manganese Co-doping on the Luminescent and Mechanoluminescent Properties of SrSi<sub>2</sub>N<sub>2</sub>O<sub>2</sub>:Eu<sup>2+</sup></i>
P24	A. Babkina <i>Luminescent properties of alkali-germanate glasses with CdS quantum dots</i>
P25	A. Babkina <i>Luminescent properties of silver ion exchange layers of silicate glasses</i>
P26	K. Nikolov <i>Phosphorescent fibre optic tip temperature sensor</i>
P27	K. Nikolov <i>Wavelength referenced polarimetric fibre optic current sensor with smartphone interrogation</i>
P28	K. Nikolov <i>Rare earth doped strontium aluminates for contactless smartphone readable temperature sensors</i>
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