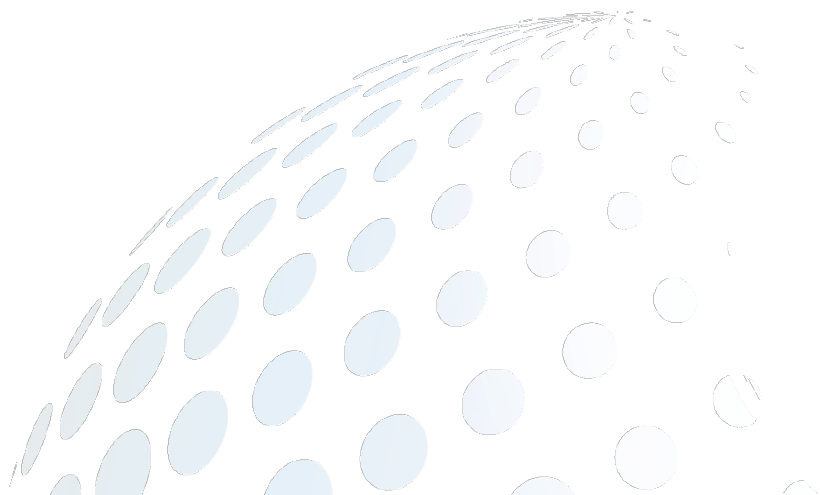




19th International Conference on Luminescence

26–30 July, 2021

Conference Program



Overview

	8:30am–11:50am		2:00pm–6:00pm		7:00pm–9:30pm
Sunday July 25			Registration		Welcome dinner
	← Registration →				
Monday July 26	Registration		Scientific events		OPENING CEREMONY
	← Registration →		← Scientific events →		
Tuesday July 27	Scientific events				
	← Scientific events →				
Wednesday July 28	Scientific events		Excursion		Banquet
	← Scientific events →		← Excursion →		← Banquet →
Thursday July 29	Scientific events				
	← Scientific events →				
Friday July 30	Scientific events				CLOSING CEREMONY
	← Scientific events →				← CLOSING CEREMONY →

Schedule

Beijing Time (UTC+8)					
	Monday July 26	Tuesday July 27	Wednesday July 28	Thursday July 29	Friday July 30
8:30am–9:40am		Room-#1 (PL)	Room-#1 (PL)	Room-#1 (PL)	Room-#1 (3,9) Room-#2 (7,12) Room-#3 (YIS)
Coffee Break & Online Communications (Gather Platform)					
10:00am–12:00pm		Room-#1 (3,12) Room-#2 (1,2) Room-#3 (5,12)	Room-#1 (1,3) Room-#2 (2,12) Room-#3 (4,10)	Room-#1 (3,12) Room-#2 (3,6) Room-#3 (2,10)	Room-#1 (1,3) Room-#2 (2,10) Room-#3 (YIS)
Lunch & Online Communications					
2:00pm–3:40pm	Hall (YIS)	Room-#1 (4,12) Room-#2 (1,7) Room-#3 (5,12)	Excursion	Room-#1 (3,7) Room-#2 (9,12) Room-#3 (YIS)	Room-#1 (3,12) Room-#2 (2,8) Room-#3 (YIS)
	Coffee Break & Online Communications			Coffee Break & Online Communications	
4:00pm–6:00pm	Hall (YIS)	Room-#1 (1,3) Room-#2 (4,8) Room-#3 (SB)		Room-#1 (1,2) Room-#2 (6,7) Room-#3 (SF)	Room-#1 (YIS) Room-#2 (YIS) Room-#3 (SL)
Dinner & Online Communications					
7:00pm					Hall (PL)
7:30pm–8:00pm	OPENING CEREMONY	Poster	Banquet	Poster	ICL PRIZE CEREMONY
8:10pm–8:50pm	Hall (PL)				CLOSING CEREMONY & INVITATION TO NEXT ICL
8:50pm–9:30pm					

Besides a big lecture hall, there are three parallel meeting rooms, represented by #1, #2 and #3, respectively. The numbers in the parentheses refer to the codes listed in the [Conference Topics](#).

Abbreviations in the schedule

YIS	Young Investigator Symposium
PL	Plenary Lecture
IL	Invited Lecture
O	Oral Presentation
PP	Poster Presentation
SB	Symposium for George Blasse
SF	Symposium for Sergey Feofilov
SL	Sponsors Lecture

Monday, July 26, 2021			
2:00pm-3:30pm	YIS-IL-1	Chuanjiang Qin	Chair: Fujun Zhang
	YIS-IL-2	Yizheng Jin	
	YIS-IL-3	Jumpei Ueda	
	YIS-IL-4	Erving Ximendes	
3:40pm-5:10pm	YIS-IL-5	Jonas Joos	Chair: Yizheng Jin
	YIS-IL-6	Qing Dai	
	YIS-IL-7	Caofeng Pan	
	YIS-IL-8	Fujun Zhang	
5:10pm-6:00pm	Sponsors Lecture: Wenjie Sun, Senior Editor of <i>Nature Nanotechnology</i>		
7:30pm-7:55pm	OPENING CEREMONY (Haiyang Xu, Yichun Liu, Andries Meijerink)		
8:00pm-9:00pm	PL-1	Luís Carlos	Chair: Xueyuan Chen
	PL-2	Ru-Shi Liu	

Tuesday, July 27, 2021						
8:30am-9:05am	PL-3	Wei Huang	Chair: Junbiao Peng			
9:05am-9:40am	PL-4	Setsuhisa Tanabe				
	Meeting Room #1 Chair: <u>Zhiguo Xia</u>		Meeting Room #2 Chair: <u>Jianxin Tang</u>		Meeting Room #3 Chair: <u>Bingsuo Zou</u>	
10:00am-11:40am	IL-1	Lingdong Sun	IL-2	Xueyuan Chen	IL-4	Zhuang Liu
	O-001	Liangliang Zhang	IL-3	Junbiao Peng	IL-5	Yinghui Wang
	O-002	Xikun Zou	O-006	Jun Yin	O-011	Guanying Chen
	O-003	Yawei Liu	O-007	Shi Ye	O-012	Pengpeng Lei
	O-004	Yuhong Zhang	O-008	Yan Xu	O-013	Kai Sun
	O-005	Fernanda Hediger Borges	O-009	Min Lu	O-014	Piaoping Yang
			O-010	Bo Wu	O-015	Chenguang Wang
	Meeting Room #1 Chair: <u>Lingdong Sun</u>		Meeting Room #2 Chair: <u>Shengye Jin</u>		Meeting Room #3 Chair: <u>Yinghui Wang</u>	
2:00pm-3:40pm	IL-6	Niko Hildebrandt	IL-7	Qihua Xiong	IL-8	Jongwook Kim
	O-016	Carlos DS Brites	O-021	Lucía Labrador-Páez	O-025	Quan Thi Hong Vu
	O-017	Ilya Kolesnikov	O-022	Tushar Debnath	O-026	Fernando Maturi
	O-018	Georges Boulon	O-023	Takeshi Koyama	O-027	Yingli Shen
	O-019	Lukasz Marciniak	O-024	Dong Sun	O-028	Karmel de Oliveira Lima
	O-020	Dasheng Lu			O-029	Jingke Yao
		Meeting Room #1 Chair: <u>Hairong Zheng</u>		Meeting Room #2 Chair: <u>Xinfeng Liu</u>		Meeting Room #3 Chair: <u>Andries Meijerink</u>
4:00pm-6:00pm	IL-9	Zhiguo Xia	IL-10	Marina Popova	IL-12	Alok Srivastava
	O-030	Florian Baur	IL-11	Philippe Goldner	IL-13	Cees Ronda
	O-031	Natalie Raupach	O-036	Alban Ferrier	IL-14	Pieter Dorenbos
	O-032	Małgorzata Guzik	O-037	Javier Fernández-Martínez	IL-15	Martin Nikl
	O-033	Giacomo B. F. Bosco	O-038	Diana Serrano	IL-16	Jun Lin
	O-034	Karol Lemanski	O-039	Federico Chiossi	IL-17	Philippe Boutinaud
	O-035	Pengpeng Dai	O-040	Teng Zheng	IL-18	Andries Meijerink
7:00pm-9:30pm	PP-001 — PP-040					

Wednesday, July 28, 2021

8:30am-9:05am	PL-5	Xiaogang Peng	Chair: <u>Lixiang Wang</u>			
9:05am-9:40am	PL-6	Peter J. Pauzuskie				
	Meeting Room #1 Chair: <u>Mingmei Wu</u>		Meeting Room #2 Chair: <u>Dong Sun</u>		Meeting Room #3 Chair: <u>Jun Yin</u>	
10:00am-11:40am	IL-19	Rongjun Xie	IL-20	Bingsuo Zou	IL-22	Lixiang Wang
	O-041	Isela Padilla-Rosales	IL-21	Shengye Jin	IL-23	Hongbing Fu
	O-042	Fábio José Caixeta	O-047	Tahere Hemati	O-052	Israel P. Assunção
	O-043	Baojiu Chen	O-048	Yinglin Wang	O-053	Duclerc F Parra
	O-044	Oscar Malta	O-049	Gaoling Yang	O-054	Jianan Dai
	O-045	Lei Chen (陈磊)	O-050	Jiejun Ren	O-055	Yue-Feng Liu
	O-046	Zhen Song	O-051	Xiaopeng Zhou		

Thursday, July 29, 2021

8:30am-9:05am	PL-7	Chunhua Yan	Chair: <u>Hongbing Fu</u>			
9:05am-9:40am	PL-8	Bo Shen				
	Meeting Room #1 Chair: <u>Jiahua Zhang</u>		Meeting Room #2 Chair: <u>Kaifeng Wu</u>		Meeting Room #3 Chair: <u>Guoqiang Li</u>	
10:00am-11:40am	IL-24	Takatoshi Seto	IL-25	Yuhua Wang	IL-26	Yong Zhang
	O-056	Sisi Liang	O-061	Dingding Song	IL-27	Xiulai Xu
	O-057	Biao Zhong	O-062	Peng Feng	IL-28	Lei Liu
	O-058	Zhongxian Qiu	O-063	Yang Li	O-066	Yuechao Wang
	O-059	Lei Chen (陈雷)	O-064	Yanjie Liang	O-067	Gaoqiang Deng
	O-060	Xinglin Peng	O-065	Xiyu Zhao	O-068	Gangyi Zhang
	Meeting Room #1 Chair: <u>Takatoshi Seto</u>		Meeting Room #2 Chair: <u>Chonggeng Ma</u>		Meeting Room #3 Chair: <u>Meng Zhou</u>	
2:00pm-3:40pm	IL-29	Jiahua Zhang	IL-30	Mikhail Brik	YIS-IL-009	Qian Sun
	O-069	Hong Zhang	O-074	Michael Reid	YIS-IL-010	Guoqiang Li
	O-070	Bartosz Bondzior	O-075	Dawei Wen	YIS-IL-011	Heedae Kim
	O-071	Matthias Adlung	O-076	Markus Suta	YIS-O-001	Yizhi Zhu
	O-072	A.J. van Bunningen	O-077	Lixin Ning	YIS-O-002	Zhenhua Zhang
	O-073	Jur de Wit			YIS-O-003	Yue Wang
	Meeting Room #1 Chair: <u>Xiao Wang</u>		Meeting Room #2 Chair: <u>Yuhua Wang</u>		Meeting Room #3 Chair: <u>Marco Bettinelli</u>	
4:00pm-6:00pm	IL-31	Zhenhua Ni	IL-33	Feng Liu	IL-34	Andries Meijerink
	IL-32	Xiaodong Pi	O-083	Simon Michels	IL-35	Xiao-Jun Wang
	O-078	Lucheng Peng	O-084	Teresa Delgado	IL-36	Andrey V. Naumov
	O-079	Zijun Wang	O-085	Vitalii Boiko	IL-38	Hairong Zheng
	O-080	Zhu Meng	O-086	Ang Feng	IL-39	Marco Bettinelli
	O-081	Jaime Fernandez-Tejedor	O-087	Pawel Gluchowski		
	O-082	Sandra Correia	O-088	Jiaren Du		
7:00pm-9:30pm	PP-041 — PP-080					

Friday, July 30, 2021

Friday, July 30, 2021						
	Meeting Room #1 Chair: <u>Haiming Zhu</u>		Meeting Room #2 Chair: <u>Yuantao Zhang</u>		Meeting Room #3 Chair: <u>Qian Sun</u>	
8:30am-10:10am	IL-40	William Beers	IL-41	Xinqiang Wang	YIS-IL-012	Dechao Yu
	O-089	Hairong Zheng	IL-42	Junwei Luo	YIS-O-004	Xiaofei Zhao
	O-090	Jun Ou	IL-43	Bin Liu	YIS-O-005	Yuxin Pan
	O-091	Anming Li	O-095	Weizhen Liu	YIS-O-006	Yan Jiao
	O-092	Hehe Dong	O-096	Zhenyi Zhang	YIS-O-007	Shiyong Zhang
	O-093	Luiz Fernando dos Santos	O-097	Xinglin Wen	YIS-O-008	Leqi Yao
	O-094	Hongwei Song				
	Meeting Room #1 Chair: <u>Jizhong Song</u>		Meeting Room #2 Chair: <u>Junwei Luo</u>		Meeting Room #3 Chair: <u>Xuyong Yang</u>	
10:30am-12:10pm	IL-44	Eva Hemmer	IL-46	Feng Li	YIS-IL-013	Chong-Geng Ma
	IL-45	Jianxin Tang	IL-47	Shuling Zhao	YIS-O-009	Chengrui Wang
	O-098	Loreleyn F. Flores	IL-48	Linsong Li	YIS-O-010	Jian Xu
	O-099	Xin Pan	O-103	Shikao Shi	YIS-O-011	Yuxiao Fan
	O-100	Yinggang Chen	O-104	Junping Xiao	YIS-O-012	Keyla Mirelly Nunes de Souza
	O-101	Shuai Zhang	O-105	Baowei Zhang	YIS-O-013	Hao Cai
	O-102	Liling Fei	O-106	Zixu Zhang	YIS-O-014	Kamila Maciejewska
	Meeting Room #1 Chair: <u>Feng Liu</u>		Meeting Room #2 Chair: <u>Xinqiang Wang</u>		Meeting Room #3 Chair: <u>Dechao Yu</u>	
2:00pm-4:10pm	IL-49	Artur Bednarkiewicz	YIS-IL-014	Xinfeng Liu	YIS-IL-021	Jizhong Song
	O-107	Wieslaw Strek	YIS-IL-015	Xiao Wang	YIS-O-015	Fei Li
	O-108	Paulo André	YIS-IL-016	Junpeng Lv	YIS-O-016	Jing Zhao
	O-109	Rute Ferreira	YIS-IL-017	Kaifeng Wu	YIS-O-017	Przemysław Woźny
	O-110	Marcin Runowski	YIS-IL-018	Xuyong Yang	YIS-O-018	Elisa Ortiz Rivero
	O-111	Thomas van Swieten	YIS-IL-019	Haiming Zhu	YIS-O-019	Natalia Stopikowska
	O-112	Marcin Szalkowski	YIS-IL-020	Meng Zhou	YIS-O-020	Natalia Jurga
	O-113	Shuping Liu			YIS-O-021	Natalia Miniajluk-Gawel
4:20pm-5:20pm	SL-1	Springer-Nature				
	SL-2	Light Sci. Appl.				
	SL-3	Techcomp				
7:00pm-7:30pm	PL-9	Dayong Jin	Chair: <u>Hongwei Song</u>			
7:30pm-8:00pm	PL-10	Claudia Wickleder				
8:10pm-8:50pm	ICL PRIZE CEREMONY (Alexander A. Kaplyanski, Daniel Jaque ...)					
8:50pm-9:30pm	CLOSING CEREMONY & INVITATION TO NEXT ICL (Yichun Liu, Xiaojun Wang, Yuhong Bai, Daniel Jaque ...)					

Presentations

NUMBER	NAME	TITLES
PL-1	Luís Carlos	The shape of water
PL-2	Ru-Shi Liu	Progress in phosphor materials and future perspectives
PL-3	Wei Huang	Recent advances in flexible electronics
PL-4	Setsuhisa Tanabe	Mixed-anion compounds giving unique luminescence characteristics in rare-earths
PL-5	Xiaogang Peng	Photon-assisted up-conversion emission in semiconductor nanocrystals
PL-6	Peter J. Pauzauskie	Cold brownian motion through luminescent solid state refrigeration
PL-7	Chunhua Yan	Lanthanide-doped upconversion nanoparticles: energy transfer modulation and optical imaging
PL-8	Bo Shen	Progress of hetero-epitaxy of AlN on sapphire substrates and the fabrication of deep ultraviolet light emitting diodes
PL-9	Dayong Jin	Advances in highly doped upconversion nanoparticles
PL-10	Claudia Wickleder	Luminescent properties of uncommon divalent lanthanides—fascinating spectroscopic features lead to promising candidates for future applications
IL-1	Lingdong Sun	Upconversion emission from lanthanide nanoparticles: challenges and opportunities
IL-2	Xueyuan Chen	Luminescent all-inorganic perovskite nanocrystals: electronic structure and optical properties
IL-3	Junbiao Peng	Printing electroluminescent materials and devices
IL-4	Zhuang Liu	Biomaterials to boost cancer photo-immunotherapy
IL-5	Yinghui Wang	Lanthanide-doped upconversion nanomaterials: from design to application of theranostics
IL-6	Niko Hildebrandt	Time-resolved FRET with lanthanides, quantum dots, and dyes for brightness-equalized barcoding and biosensing
IL-7	Qihua Xiong	Perovskite semiconductors for photonics and polaritonics
IL-8	Jongwook Kim	Measuring 3D orientation in nanoscale with polarized Eu ³⁺ emission
IL-9	Zhiguo Xia	Structural engineering of Eu ²⁺ doped silicates phosphors for LED applications
IL-10	Marina Popova	First observation of the hyperfine structure and level anticrossings in the luminescence spectra of a crystal
IL-11	Philippe Goldner	Advances and challenges in rare earth doped materials for quantum technologies
IL-12	Alok Srivastava	Research in luminescence inspired by Prof. George Blasse: A tribute
IL-16	Jun Lin	Influence and inspiration of G. Blasse on my research of luminescence materials
IL-17	Philippe Boutinaud	In the wake of George Blasse
IL-18	Andries Meijerink	Remembering George Blasse

IL-19	Rongjun Xie	Searching for new nitride phosphors for emerging applications
IL-20	Bingsuo Zou	The EMP emission in diluted II-VI magnetic semiconductor nanostructures and their application in perovskites
IL-21	Shengye Jin	Carrier transport in 2D perovskite quantum wells
IL-22	Lixiang Wang	Through-space charge transfer polymers
IL-23	Hongbing Fu	Self-assembled organic microcrystal lasers
IL-24	Takatoshi Seto	LED phosphors-nitride, trap center, and high pressure
IL-25	Yuhua Wang	Recent achievements on multi-color long persistent phosphor (LPP) via doping, solid solution and energy
IL-26	Yong Zhang	II-VI based organic-inorganic hybrid nanostructures with greatly enhanced optoelectronic properties, perfectly ordered structures, and long term ambient stability over 15 years
IL-27	Xiulai Xu	Spin polarized photon emission from single quantum dots for chiral photonic circuits
IL-28	Lei Liu	Disorder engineering of oxide semiconductors for more efficient photoelectric conversion
IL-29	Jiahua Zhang	Three-photon process dominated red upconversion emission in $\text{Yb}^{3+}\text{-Er}^{3+}$ system
IL-30	Mikhail Brik	Mn^{4+} -doped red phosphors for lighting applications: influence of the local structure on the emission properties
IL-31	Zhenhua Ni	Defect and interface engineering of two dimensional materials
IL-32	Xiaodong Pi	Optoelectronic synaptic devices based on silicon nanocrystals
IL-33	Feng Liu	Up-conversion charging and ambient stimulated emission of storage phosphors
IL-34	Andries Meijerink	Remembering Sergey Feofilov
IL-38	Hairong Zheng	Remembering Dr. Sergey Feofilov
IL-39	Marco Bettinelli	Performing and disseminating luminescence research with Sergey Feofilov
IL-40	William Beers	Far red phosphors for horticulture LED systems
IL-41	Xinqiang Wang	High power deep ultraviolet micro-LEDs
IL-42	Junwei Luo	Theory for silicon-based light emitting
IL-43	Bin Liu	Luminescence properties for III-nitride semiconductor nanostructures and optoelectronic devices with wavelength range from green to ultraviolet
IL-44	Eva Hemmer	Rare-earth-based particles via microwave-assisted synthesis – potential and challenges
IL-45	Jianxin Tang	Synergistical electroluminescent manipulation for efficient blue perovskite light-emitting diodes
IL-46	Feng Li	Doublet emission from light-emitting radical materials and devices
IL-47	Suling Zhao	The inside charge and wavelength management of all-solution OLEDs
IL-48	Linsong Li	Synthesis of nanocrystal core/shell quantum dots for efficient and stable emitters
IL-49	Artur Bednarkiewicz	Photon avalanching at nanoscale: challenges and new possibilities
YIS-IL-001	Chuanjiang Qin	Exciton and crystalline engineering for highly efficient perovskite light-emitting diodes

YIS-IL-002	Yizheng Jin	Towards high-performance solution-processed light-emitting diodes based on quantum dots
YIS-IL-003	Jumpei Ueda	Development of white persistent phosphors by tailoring lanthanide ions and garnet host composition
YIS-IL-004	Erving Ximendes	Advanced in vivo imaging and sensing by using super-bright nanoparticles synthesized by ultrafast photochemistry
YIS-IL-005	Qing Dai	Surface enhanced infrared spectroscopy with two dimensional materials
YIS-IL-006	Jonas Joos	Electron transfer processes in lanthanide-doped materials: Insights from multiconfigurational calculations
YIS-IL-007	Caofeng Pan	Mapping strain/pressure with ZnO nanowire arrays by piezotronic and piezophototronic effect
YIS-IL-008	Fujun Zhang	Recent progress of ternary organic solar cells
YIS-IL-009	Qian Sun	GaN-based blue/UV LEDs and laser diodes grown on Si
YIS-IL-010	Guoqiang Li	Modulating surface-interface structure of InGaN nanorods for efficient photoelectrochemical water splitting
YIS-IL-011	Heedae Kim	Optical coupling process in a single coupled quantum dot
YIS-IL-012	Dechao Yu	Luminescent thermometer for sensitive sensing over a wide temperature range
YIS-IL-013	Chong-Geng Ma	Theoretical spectroscopy of extrinsically and intrinsically defective halide perovskites
YIS-IL-014	Xinfeng Liu	Light-matter interaction in semiconductor materials at micro/nanoscale
YIS-IL-015	Xiao Wang	Manipulating the light emission of 2D semiconductors by different stacking and heterogeneous integration
YIS-IL-016	Junpeng Lv	T defect-related optical properties and optoelectronic applications of 2D materials
YIS-IL-017	Kaifeng Wu	Upconversion, downconversion and thermally-activated delayed emission sensitized by colloidal semiconductor nanocrystals
YIS-IL-018	Xuyong Yang	Quantum dots/perovskites based light-emitting devices
YIS-IL-019	Haiming Zhu	Exciton luminescence and dynamics in 2D lead halide perovskites
YIS-IL-020	Meng Zhou	Evolution from metallic to molecular state in gold nanoclusters probed by ultrafast spectroscopy
YIS-IL-021	Jizhong Song	Efficient quantum dot light-emitting diodes based on CsPbX ₃
O-001	Liangliang Zhang	Cr ³⁺ doped broad band far red/NIR phosphor and its application
O-002	Xikun Zou	A highly efficient and suitable spectral profile Cr ³⁺ -doped garnet near-infrared emitting phosphor for regulating photomorphogenesis of plants
O-003	Yawei Liu	Controlled assembly of upconverting nanoparticles for low-threshold microlasers and their imaging in scattering media
O-004	Yuhong Zhang	Enhanced upconversion emission in Er ³⁺ : BaWO ₄ through Gd ³⁺ incorporation and optical thermometry
O-005	Fernanda Hediger Borges	Luminescence thermometry from Er ³⁺ /Yb ³⁺ co-doped yttrium niobate with high NIR emission and NIR-to-visible upconversion quantum yields
O-006	Jun Yin	Enhanced color conversion of CsPbBr ₃ perovskite QDs by surface passivation and plasmonic coupling
O-007	Shi Ye	Mn ²⁺ -Mn ²⁺ magnetic coupling effect on photoluminescence revealed by photomagnetism in CsMnCl ₃

O-008	Yan Xu	Synergetic effect of tetraethylammonium bromide addition on the morphology evolution and enhanced photoluminescence of rare-earth metal-organic frameworks
O-009	Min Lu	CsPbX ₃ nanocrystals based highly efficient light-emitting diodes
O-010	Bo Wu	Carrier dynamics in perovskite single crystals for photovoltaic applications
O-011	Guanying Chen	In vivo luminescence nanothermometry: challenges, solutions, and opportunities
O-012	Pengpeng Lei	Bismuth-containing materials for tumor imaging and therapy
O-013	Kai Sun	In vivo continuous glucose monitoring with implantable polymer-dot transducer
O-014	Piaoping Yang	Construction and performance of diagnosis and treatment system based on up-conversion luminescence
O-015	Chenguang Wang	The development of highly photostable organic fluorescent probes for STED nanoscopy imaging
O-016	Carlos DS Brites	Lanthanide luminescence to mimic molecular logic and computing through physical inputs
O-017	Ilya Kolesnikov	Dual-center ratiometric YVO ₄ :Nd ³⁺ /Eu ³⁺ nanothermometers based on co-doped and mixed phosphors
O-018	Georges Boulon	The radiation-induced darkening and its suppression methods in Yb ³⁺ -doped silica laser fibers
O-019	Lukasz Marciniak	A new incarnation of Fe ³⁺ : a promising activator for highly sensitive luminescence thermometry
O-020	Dasheng Lu	Experimental insight of single nanoparticle dynamic in water at high temperature by optical tweezers
O-021	Lucía Labrador-Páez	Upconversion nanoparticle kinetics studied by time-modulated excitation.
O-022	Tushar Debnath	Coherent phonon dynamics reveals intrinsic lattice anharmonicity in hybrid perovskite nanocrystals
O-023	Takeshi Koyama	Femtosecond photoluminescence from epitaxial graphene on SiC
O-024	Dong Sun	Anisotropic response of type-II Weyl semimetal TaIrTe ₄ under ultrafast photoexcitation
O-025	Quan Thi Hong Vu	Exploring temperature sensing ability of La ₂ MgTiO ₆ :Er ³⁺ double perovskites using thermally coupled and uncoupled energy levels
O-026	Fernando Maturi	A 10-fold improvement in the performance of luminescent thermometers by combining multiparametric sensing and multiple linear regression
O-027	Yingli Shen	Addressing an unreliable readout: multiparametric sensing overcomes the "tissue issue" of in vivo luminescence thermometry
O-028	Karmel de Oliveira Lima	Er ³⁺ , Yb ³⁺ : K(RE) ₃ F ₁₀ nanoparticles for nanothermometry and theranostic applications
O-029	Jingke Yao	In vivo near-infrared imaging using ternary selenide semiconductor nanoparticles with uncommon crystal structure
O-030	Florian Baur	Optimization of Mn ⁴⁺ phosphors by sensitization with uranyl [UO ₂] ²⁺
O-031	Natalie Raupach	Novel light-emitting micro plastic particles with lanthanide diketonate complexes
O-032	Małgorzata Guzik	Fabrication, structural and spectroscopic characterizations of first translucent ceramics from cubic nano-crystalline La ₂ MoWO ₉ activated by Nd ³⁺ ions
O-033	Giacomo B. F. Bosco	Photoluminescence properties of SiAlON:Tm ³⁺ gradient coatings grown by DC/RF combinatorial reactive magnetron sputtering
O-034	Karol Lemanski	Spectroscopic properties of Ba ₂ MgWO ₆ polycrystals and ceramics doped with the Nd ³⁺ ions

O-035	Pengpeng Dai	Self-compensation emissions of defect-induced non-equivalent Eu ²⁺ Sites toward extraordinary thermal stability blue-violet phosphor
O-036	Alban Ferrier	Eu doped Y ₂ O ₃ films with optimized optical properties for quantum technologies
O-037	Javier Fernández-Martínez	Plasmon-mediated spatial coherence from Nd ³⁺ quantum emitters
O-038	Diana Serrano	Molecule-based coherent light spin interfaces for quantum information processing
O-039	Federico Chiossi	Photon echo and spectral hole burning in 171Yb:LiNbO ₃ crystal
O-040	Teng Zheng	Nonlinear optical thermometry - a novel thermometric strategy via second harmonic generation (SHG) and upconversion luminescence
O-041	Isele Padilla-Rosales	NIR photon downshifting via host sensitization in Yb ³⁺ -doped La ₂ Ti ₂ O ₇ and BaTi(PO ₄) ₂
O-042	Fábio José Caixeta	Ultra-broadband NIR emission from rare earth triply doped SiO ₂ -Nb ₂ O ₅ and SiO ₂ -Ta ₂ O ₅ glass ceramic materials for photonic applications
O-043	Baojiu Chen	Judd-Ofelt calculation strategy for RE ³⁺ doped materials
O-044	Oscar Malta	On the role of the trivalent terbium ⁷ F ₅ as an energy acceptor level
O-045	Lei Chen	Study on the structure and luminescence properties of Sr-rich (Sr,Ca) AlSiN ₃ :Eu orange phosphors synthesized by slight positive pressure
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O-047	Tahere Hemati	Oriented growth of lead selenide (PbSe) nanocrystals (NCs) for mid-infrared photonic detector applications
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