

N°	NAME, ORGANIZATION	TITLE
1	<u>Antonio Agresti</u> <i>University of Rome Tor Vergata</i>	Stability enhancement in Perovskite Solar Cells by inserting graphene spray coated interlayer before the counter-electrode deposition
2	<u>Kerttu Aitola</u> <i>Uppsala University</i>	High-temperature stable perovskite solar cell based on carbon nanotube contacts
3	<u>Ryo Akashi</u> <i>Chiba University</i>	Photoluminescence dynamics of Bi-doped $\text{CH}_3\text{NH}_3\text{PbX}_3$ (X = I, Br) single crystals
4	<u>Samy Almosni</u> <i>University of Tokyo</i>	Tunneling assisted trapping as one of the possible mechanisms at the origin of the hysteresis in perovskite solar cells
5	<u>Marco Anni</u> <i>University of Salento</i>	Amplified Spontaneous Emission Properties of Solution Processed $\text{CsPbBr}_3$ Perovskite Films
6	<u>Olivia Ashton</u> <i>University of Oxford</i>	Mixed-Cation Perovskite Nanocrystals: Exploring the stability, photoluminescence and device performance through compositional engineering
7	<u>Linda Assam</u> <i>FOTON / TOTAL</i>	Optoelectronic properties of halide lead-free double perovskites
8	<u>Jeremy Barbe</u> <i>Specific - Swansea University</i>	Origin of dark electrical bias-induced degradation of inverted methylammonium lead iodide perovskite solar cells
9	<u>Jessica Barichello</u> <i>Ca' Foscari - University of Venice</i>	Carbon-based Perovskite Solar Cells with $\text{A}_2\text{O}_3$ insulating layer
10	<u>Alex Barker</u> <i>Istituto Italiano di Tecnologia</i>	Optical probes of defects in lead halide perovskites
11	<u>Tim Batten</u> <i>Renishaw plc</i>	Raman spectroscopy characterisation of laser-induced degradation in methyl ammonium lead iodide perovskite layers
12	<u>Andrea Bernasconi</u> <i>Università di Pavia</i>	Local structure of $\text{MAPbX}_3$ hybrid perovskites by High Energy X-ray Diffraction
13	<u>Solenn Berson</u> <i>CEA</i>	Perovskite-based Solar devices: Towards 2-terminal silicon heterojunction tandem cells
14	<u>Menno Bokdam</u> <i>University of Vienna</i>	Assessing density functionals using many body theory for hybrid perovskites
15	<u>Marine Bouduban</u> <i>EPFL</i>	Interdomain charge transfers within mixed cations, mixed halides perovskites
16	<u>Matthias Bräuninger</u> <i>EPFL STI/IMT PVLAB</i>	Versatile sequential evaporation/spin coating fabrication process for multication, mixed-halide perovskite solar cells
17	<u>Joachim Breternitz</u> <i>Helmholtz Zentrum Berlin</i>	Structure makes Symmetry: Some thoughts on the space group of $\text{MAPbI}_3$ at room temperature
18	<u>Annalisa Bruno</u> <i>Nanyang Technological University</i>	Inhibited Ionic Motion in Mixed-Cation Solar Cells
19	<u>Ian Bu</u> <i>National university of Tainan University</i>	Towards up-scaling of perovskite solar cells using $\text{CuAlO}_2$ hole transport layer
20	<u>Andrés Burgos-Caminal</u> <i>EPFL</i>	Hybrid Organic-Inorganic Perovskites Studied with Ultra-Broadband Time-Resolved Terahertz Spectroscopy
21	<u>Pietro Caprioglio</u> <i>Potsdam Univeristy</i>	Reducing recombination and enhancing open circuit voltage by Strontium-alloying in multiple cation perovskite solar cells
22	<u>Elena Castellucci</u> <i>European Laboratory for Non-Linear Spectroscopy (LENS)</i>	Spectroscopic study of dyes useful for photovoltaic applications
23	<u>James Cave</u> <i>University of Bath</i>	Determining the Activation Energy for Hysteresis in Perovskite Solar Cells
24	<u>Andre Cook</u> <i>University of Newcastle</i>	Lead Iodide Passivation of Pyridine Treated Perovskite Films
25	<u>Asiel Corpus</u> <i>Instituto de Energías Renovables - UNAM</i>	Influence of magnetic fields on the morphology of $\text{CH}_3\text{NH}_3\text{PbI}_{3-x}\text{Cl}_x$ films
26	<u>Alexander Davis Jodlowski</u> <i>University of Cordoba</i>	Benign-by-design solventless mechanochemical synthesis of Three-, Two- and One-dimensional hybrid perovskites.

27	<u>Francesca De Rossi</u> <i>Swansea University</i>	Printed TiO <sub>2</sub> blocking layers for carbon-based perovskite solar cells
28	<u>Elke Debroye</u> <i>KU Leuven</i>	Hybrid Perovskite Nanocrystal Morphology Effect on Optoelectronic Properties for LED Applications
29	<u>Joydeep Dhar</u> <i>Jadavpur University</i>	Understanding the Origin of Lattice Defects in Methylammonium Lead Iodide Perovskite
30	<u>Nikita Drigo</u> <i>EPFL</i>	Ullazine donor-acceptor systems as new promising candidates for dopant-free hole-transporting materials for perovskite solar cells
31	<u>Tian Du</u> <i>Imperial College London</i>	Identifying and removing shallow trap states as a limitation of open-circuit voltage in perovskite solar cell
32	<u>Alan Dunbar</u> <i>University of Sheffield</i>	Observing crystal formation during spin casting of perovskite precursor solutions using in situ wide angle x-ray scattering.
33	<u>Marius Franckevicius</u> <i>Center for Physical Sciences and Technology</i>	Planar perovskite photodetectors based on interdigitated electrodes
34	<u>Kyle Frohna</u> <i>Trinity College Dublin</i>	On the Inversion Symmetry and Bulk Rashba Effect in Methylammonium Lead Iodide Single Crystals
35	<u>Xiao Fu</u> <i>The Australian National University</i>	Investigating transient recombination in perovskite film and extracting material properties by fitting steady-state PL and transient PL
36	<u>Gonzalo García Espejo</u> <i>University of Córdoba</i>	Low-dimensionality hybrid perovskites containing polycyclic aromatic cations: synthesis and characterization
37	<u>Damien Garrot</u> <i>UVSQ/CNRS</i>	The Impact of Reabsorption on the Emission Spectra and Recombination Dynamics of Hybrid Perovskite Single Crystals
38	<u>Camille Geffroy</u> <i>Laboratoire de Chimie des Polymères Organiques</i>	Functionalized-polyvinylcarbazole hole transporting material for efficient and stable perovskite solar cells
39	<u>Saba Gharibzadeh</u> <i>EPFL</i>	Low cost TiS <sub>2</sub> as Hole Transport Material for Perovskite Solar Cells
40	<u>Nadja Giesbrecht</u> <i>LMU Munich</i>	Single-Crystal-Like Optoelectronic Properties of Perovskite Polycrystalline Thin Films
41	<u>Giulia Grancini</u> <i>EPFL</i>	Interface Engineering for High Efficient, One-Year-Stable Perovskite Solar Cells
42	<u>Severin Habisreutinger</u> <i>University of Oxford</i>	Investigating the stability of perovskite absorbers with mixed A-site cations
43	<u>Guifang Han</u> <i>Nanyang Technological University</i>	What to add into the double-cation mixed halide perovskite
44	<u>Yasser Hassan</u> <i>University of Oxford</i>	Highly Luminescent MAPbI <sub>3</sub> Cubic Nanocrystal for Efficient LEDs Devices: New Routes for High-Quality NCs with Higher PLQE and Longer Lifetime
45	<u>Tim Hellmann</u> <i>TU Darmstadt</i>	Interface experiments on the CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> / Spiro-MeOTAD / Gold back contact using Photoelectron Spectroscopy to observe the origin of the cells photovoltage
46	<u>Maximilian Hoerantner</u> <i>MIT</i>	The simulated potential of triple junction perovskite tandem solar cells
47	<u>Kunie Ishioka</u> <i>National Institute for Materials Science</i>	Ultrafast Hole Injection Dynamics from Lead Halide Perovskite Studied by Differential Transient Transmission Spectroscopy
48	<u>Daniel Jacobs</u> <i>Australian National University</i>	Impedance Spectroscopy for Perovskite Cells: Utility and Interpretation
49	<u>Jesper Jacobsson</u> <i>Uppsala University</i>	Extending the compositional space of mixed lead halide perovskites by doping of Cs, Rb, K, and Na: A way towards longer lifetimes
50	<u>Quentin Jeangros</u> <i>Ecole Polytechnique Fédérale de Lausanne</i>	Tracking ionic migration in organic-inorganic metal-halide perovskite solar cells by in situ and ex situ transmission electron microscopy
51	<u>Il Jeon</u> <i>Tokyo University</i>	Air-Stable Perovskite Solar Cells using Li-Containing Fullerene Salt as both Dopant and Anti-Oxidant

52	<u>Jesús Jiménez-López</u> <i>Institute of Chemical Research - Catalonia</i>	Charge Injection, Carriers Recombination and HOMO Energy Level Relationship in Perovskite Solar Cells
53	<u>Marko Jost</u> <i>HZB</i>	Influence of the texture position on the tandem perovskite/silicon-heterojunction solar cell performance
54	<u>Eui Dae Jung</u> <i>UNIST</i>	Minimized current-voltage hysteresis by using covered annealing method in conventional perovskite solar cells
55	<u>Hiroyuki Kanda</u> <i>University of Hyogo</i>	Bromine Doped Perovskite/Textured Silicon Heterojunction for Mechanically Stacked Tandem Solar Cell
56	<u>Anil Kanwat</u> <i>Advanced Display Research Center, Kyung Hee University</i>	Incorporation of Rubidium Cations into Perovskite Light Emitting Diode
57	<u>Yury Kapitonov</u> <i>St.Petersburg State University</i>	Phonon replicas in CsPbBr <sub>3</sub> and MAPbBr <sub>3</sub> single crystals
58	<u>Said Kazaoui</u> <i>AIST - RCPV</i>	Environmental Stability of Mixed Perovskite Solar Cells under 1 sun
59	<u>Lukas Kegelmann</u> <i>Helmholtz-Zentrum Berlin</i>	Mixtures of PEDOT and dopant-free Spiro-OMeTAD as hole selective contact in regular perovskite solar cells
60	<u>Masoumeh Keshavarz</u> <i>KU Leuven</i>	High-field transport in single crystals of MAPbI <sub>3</sub> and MAPbBr <sub>3</sub>
61	<u>David Kiermasch</u> <i>Julius Maximilian University of Wuerzburg</i>	Charge carrier recombination in planar type perovskite solar cells probed by transient electrical techniques.
62	<u>Min Kim</u> <i>Center for NanoScience and Technology @Polimi, IIT</i>	Degradation of Surface-Passivated MAPbI <sub>3</sub> Perovskite with Polymer Thin Films under Humid Environment
63	<u>Da Bin Kim</u> <i>UNIST</i>	Increasing performance of perovskite LEDs using a PEDOT:PSS and MoO <sub>3</sub> composite layer
64	<u>Dominik Kubicki</u> <i>EPFL</i>	Cation dynamics and microscopic phase composition of mixed A-cation (FA, MA, Cs, Rb) lead halide perovskites from solid-state NMR
65	<u>Jonathan Lahnsteiner</u> <i>University of Vienna</i>	Advanced ab-initio molecular dynamics techniques applied to MAPbI <sub>3</sub> large scale supercells
66	<u>Felix Lang</u> <i>Helmholtz-Zentrum Berlin</i>	Unravelling the Light-Induced Degradation Mechanisms of Organic-Inorganic Perovskite Films
67	<u>Luis Lanzetta</u> <i>Imperial College London</i>	2D Hybrid Tin Halide Perovskites with Tunable Visible Emission and their Application in Light-Emitting Diodes
68	<u>Sang Yun Lee</u> <i>UNIST</i>	Flexibility of Semitransparent Perovskite Light-Emitting Diodes Investigated Based on Hole-nanoindentation Properties of Perovskite Layer
69	<u>Seungjin Lee</u> <i>UNIST</i>	Amine-Based Passivating Materials for Efficient Perovskite in Light-Emitting Diodes
70	<u>Thomas Lenzer</u> <i>University of Siegen</i>	Ultrafast carrier dynamics of lead halide perovskites in contact with hole transport materials and mesoporous TiO <sub>2</sub>
71	<u>Tobias Leonhard</u> <i>Karlsruhe Institute of Technology</i>	Ferroelectric domains in methylammonium lead iodide perovskite thin-films
72	<u>Linn Leppert</u> <i>University of Bayreuth</i>	Band Edge Engineering of Halide Perovskites. Insights from Density Functional Theory and Beyond
73	<u>Cheng Li</u> <i>Macromolecular Chemistry I, University of Bayreuth</i>	Effect of Thermal and Structural disorder on Electronic Structure in Methylammonium Lead Halide Perovskites
74	<u>Tianyue Li</u> <i>University of Edinburgh</i>	Lead-free Pseudo-three-dimensional Organic-inorganic Iodobismuthates for Photovoltaic Applications
75	<u>Camilla Lian</u> <i>CSIRO</i>	Scalable Fabrication of Mixed-Cation Mixed-Halide Perovskite via a Sequentially Engineered Pathway
76	<u>Herbert Lifka</u> <i>TNO</i>	Encapsulation for Perovskites Solar Cells
77	<u>Tom Macdonald</u> <i>University College London</i>	Electrospun TiO <sub>2</sub> /SWCNT Photoelectrodes for High Performance and Improved Stability Perovskite Solar Cells

78	<u>Artiom Magomedov</u> <i>Kaunas University of Technology</i>	Isomeric derivatives of diphenylamine-substituted carbazole-based hole transporting materials
79	<u>Tadas Malinauskas</u> <i>Kaunas University of Technology</i>	Stability of the doped hole-transporting materials used in perovskite solar cells
80	<u>Silvia Mariotti</u> <i>University of Liverpool</i>	Silicon heterostructures with MAPI: fundamental studies and first devices.
81	<u>Diego Martin Martin</u> <i>Universidad Rey Juan Carlos</i>	Analysing degradation of perovskite solar cells using 2D numerical simulations
82	<u>Simone Mastroianni</u> <i>Fraunhofer ISE</i>	Dark lock-in Thermography characterization: towards a pin-hole free Hole-Blocking Layer for Perovskite Solar Cells
83	<u>Yutaka Matsuo</u> <i>University of Tokyo</i>	Perovskite Solar Cells using Carbon Nanotubes as both Cathode and Anode Electrodes
84	<u>David McMeekin</u> <i>Oxford University</i>	Crystallization kinetics and morphology control of formamidinium-cesium mixed-cation lead mixed-halide perovskite via tunability of the colloidal precursor solution
85	<u>Maria Méndez</u> <i>The Institute of Chemical Research of Catalonia</i>	Alq3 (Tris(8-hydroxyquinolino)aluminium) as Selective N-Type Contact for FAMAPIBr Perovskite Solar Cell
86	<u>Eduardo Menéndez-Proupin</u> <i>University of Chile</i>	Ferroelectric domains may lead to 2-D confinement of holes but not of electrons in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite
87	<u>Rebecca Milot</u> <i>University of Oxford</i>	Charge-Carrier Dynamics in 2D and Lead-Free Hybrid Metal Halide Perovskites
88	<u>David Moore</u> <i>National Renewable Energy Lab</i>	Not all single crystals are single crystals: controlling crystal quality through growth rate
89	<u>Claudiu Mortan</u> <i>Technische Universität Darmstadt</i>	Perovskite Solar Cell Devices – Flash Evaporation
90	<u>Silvia Motti</u> <i>CNST - IIT</i>	Limits to lead halide perovskite photoluminescence: size dependence of defect free nanocrystals
91	<u>Anna Murashkina</u> <i>Saint-Petersburg State University</i>	The effect of Ti-doping on optical and luminescence properties of $\text{CsPbCl}_3$ perovskite
92	<u>Olga Nazarenko</u> <i>ETH</i>	Single crystals of caesium formamidinium lead halide perovskites: solution growth and gamma dosimetry
93	<u>Georgian Nedelcu</u> <i>ETH Zurich</i>	Cesium lead bromide nanoplatelets ( $\text{CsPbBr}_3$ NPLs) with unique stable emission at 492 nm: viable nanomaterials for blue light emitting devices.
94	<u>Martin Neukom</u> <i>ZHAW</i>	Determining the Mobility of Ions in Perovskite Solar Cells – Measurement and Simulation
95	<u>Wataru Okada</u> <i>Waseda University</i>	Methoxy-substituted Triphenylamine Polymers as the Hole-transporting Layer of Perovskite Solar Cell
96	<u>Fabian Panzer</u> <i>University of Bayreuth</i>	Impact of excess $\text{PbI}_2$ on the structure and the temperature dependent optical properties of $\text{MAPbI}_3$
97	<u>Heesoo Park</u> <i>QEERI, HBKU</i>	Perovskite Oxychalcogenides: Alternative route towards lead-free photovoltaic absorbers
98	<u>Jay Patel</u> <i>Univeristy of Oxford</i>	The Importance of Interface Morphology on Thermally Evaporated Perovskite Solar Cells
99	<u>Jun Peng</u> <i>The Australian National University</i>	Interface Passivation for High-Efficiency Perovskite Solar Cells with Negligible Hysteresis
100	<u>M. Dolores Perez</u> <i>CNEA-CAC</i>	Low pressure vapor phase deposition as a method to obtain lead iodide precursor for two step perovskite films with control on film growth
101	<u>Carlo Andrea Riccardo Perini</u> <i>Istituto Italiano di Tecnologia</i>	High performance and hysteresis-free solution processed perovskite photodetectors
102	<u>Goutham Raj Perumallapelli</u> <i>The Leibniz Institute of Polymer Research Dresden</i>	2 Dimensional Perovskites: Material and Electrical characterisation
103	<u>Edwin Pineda De La O</u> <i>University of Sheffield</i>	In situ microscopy to determine the influence of additives on the crystallization of mixed halide perovskites.

104	<u>Anilreddy Pininti</u> <i>Center for Nano Science and Technology - IIT@PoliMi</i>	Perovskite-Based Field-Effect Transistors
105	<u>Sebastian Pont</u> <i>Imperial College London</i>	Material tuning of perovskite environmental stability of thin films and solar cells
106	<u>Francesco Quochi</u> <i>Complesso Universitario di Monserrato</i>	All-optical diagnostics of efficiency losses in perovskite solar cells
107	<u>Saeid Rafizadeh</u> <i>Fraunhofer ISE</i>	18.3% Stabilized Efficiency in Hybrid Evaporation-Spincoating Low Temperature Processed Planar Perovskite Solar Cell
108	<u>Yevgeny Rakita</u> <i>Weizmann Institute of Science</i>	Direct Metal to Halide Perovskite (HaP) Transformation an Alternative Route to HaP films
109	<u>César Omar Ramírez Quiroz</u> <i>i-MEET</i>	Balanced percolation in silver nanowire electrodes enables high-performance multijunction silicon-perovskite solar cells
110	<u>Katarina Ridzonova</u> <i>Charles University</i>	Laser induced transient current technique measurements on CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> polycrystalline thin films and single crystals
111	<u>Philipp Rieder</u> <i>University of Wuerzburg</i>	Revealing the impact of Rubidium and Cesium on the electronic trap landscape of mixed cation perovskite solar cells via thermally stimulated current
112	<u>Cristina Rodríguez Seco</u> <i>ICIQ</i>	Synthesis of benzothiadiazole-based organic semiconductor molecules as HTM in Perovskites Solar Cells
113	<u>Holger Röhm</u> <i>Karlsruhe Institute of Technology</i>	Electronic response of MAPbI <sub>3</sub> solar cells to dynamic illumination
114	<u>Cristina Roldan Carmona</u> <i>EPFL-Sion</i>	One-Year stable perovskite solar cells by 2D/3D interface engineering
115	<u>Anurag Roy</u> <i>CSIR-CGCRI - University Of Exeter Penryn</i>	BaSnO <sub>3</sub> Perovskite Oxide for Ambient Perovskite Solar Cells
116	<u>Fabian Ruf</u> <i>Karlsruhe Institute of Technology</i>	Electroreflectance Spectroscopy on Organic-Inorganic Halide Perovskite Solar Cells
117	<u>Aditya Sadhanala</u> <i>University of Cambridge</i>	Photo-physical Properties of Binary Metal Hybrid Perovskite Semiconductors
118	<u>Florent Sahlí</u> <i>EPFL</i>	Improved Optics in Monolithic Perovskite/Silicon Tandem Solar Cells with a Nanocrystalline Silicon Recombination Junction
119	<u>Mohammad Sajedi Alvar</u> <i>Max Planck Institute for Polymer Research</i>	Absence of Ferroelectricity in Methylammonium Lead Iodide Perovskite Solar Cells
120	<u>Nobuya Sakai</u> <i>University of Oxford</i>	Solution-processed Cesium Hexabromopalladate(IV), Cs <sub>2</sub> PdBr <sub>6</sub>
121	<u>Eduardo Sanchez</u> <i>Universidad Autonoma de Nuevo Leon</i>	Environmental stability of hybrid organic-inorganic bismuth-phosphonium Iodides thin films
122	<u>Laura Schelhas</u> <i>SLAC National Accelerator Laboratory</i>	Understanding Phase Stability by Operando X-ray Diffraction in Hybrid Organic-Inorganic Perovskite Alloys
123	<u>Moritz Schultes</u> <i>Zentrum für Sonnenenergie und Wasserstoff</i>	Semi-transparent Perovskite Solar Cells for Tandem Applications with CIGS
124	<u>Patricia Schulze</u> <i>Fraunhofer-I SE</i>	Climbing the top - proof of principle investigation of high band gap perovskite deposition on textured silicon
125	<u>Jonas Schwenzer</u> <i>KIT</i>	Effect of Temperature Cycling on Perovskite PV Performance
126	<u>Kazuhiko Seki</u> <i>AIST</i>	Equivalent circuit representation of hysteresis in solar cells caused by interface charge accumulation
127	<u>Alessandro Senocrate</u> <i>Max Planck Institut for Solid State Research</i>	Study of the effect of oxygen in halide perovskite materials
128	<u>Oleksandra Shargaieva</u> <i>Helmholtz Zentrum Berlin</i>	Band gap tuning at the limits of the tolerance factor
129	<u>Naoyuki Shibayama</u> <i>University of Hyogo</i>	Analysis of Spray-pyrolysis Deposited NiOx Layers with Different Temperatures in Inverted Perovskite Solar Cells



130	<u>Ravichandran Shivanna</u> <i>University of Cambridge</i>	Monovalent cation dependence on optical Stark effect in the layered perovskite
131	<u>John Simonaitis</u> <i>University of Illinois at Urbana-Champaign</i>	One-Step Spray Deposition and In-Situ Conversion of Perovskite Solar Cells
132	<u>Joel Smith</u> <i>University of Sheffield</i>	Performance and stability enhancement of planar perovskite solar cells based on SnO <sub>2</sub> nanoparticle electron transport layer.
133	<u>Blaire Sorenson</u> <i>Cornell University</i>	Uncovering the Fundamental Mechanisms leading to Nucleation and Growth in the Solution Processing of Hybrid Organic Inorganic Perovskites
134	<u>Andrea Soto Navarro</u> <i>CELEQ-Universidad de Costa Rica</i>	Synthesis and evaluation of Ge(II) and Ge(IV) compounds bearing $\beta$ -diketiminato ligands as possible HTMs in perovskite solar cells
135	<u>Julian Steele</u> <i>KU Leuven</i>	All-Optical Synthesis of Localised and Stable $\delta$ - to $\alpha$ -Phase Transformations in Metastable Organolead Halide Perovskites
136	<u>Rebecca Sutton</u> <i>University of Oxford</i>	Vapour-Deposited Cesium Lead Iodide Perovskites: Microsecond Charge Carrier Lifetimes and Enhanced Photovoltaic Performance
137	<u>Koki Suwa</u> <i>Waseda University</i>	Perovskite Layer Compositing with Radical Polymer and Improved Durability of the Cell
138	<u>Chen Tao</u> <i>CNST@IIT</i>	Excess PbI <sub>2</sub> in Hysteresis-less Planar Perovskite Solar Cells with a Crosslinked Fullerene Derivative as an Electron Extracting Layer
139	<u>Wang Ting</u> <i>The Hong Kong Polytechnic University</i>	Amplified Spontaneous Emission properties of Organic-Inorganic Hybrid Lead Iodide Perovskite bulk Crystals under Multiphoton Excitation
140	<u>Naeime Torabi</u> <i>Yazd University</i>	Organic Small Molecule Semiconductors as the Charge Selective Layers in Planar Perovskite Solar Cells
141	<u>Doojin Vak</u> <i>CSIRO</i>	Organic-Inorganic Hybrid Perovskites: Drop-In Replacement of Organic Based Photoactive Materials in Printed Solar Films?
142	<u>Bhavana Venkataramanachar</u> <i>Fraunhofer ISE</i>	Insight into Spectrally Resolved Nonlinearities of Perovskite Solar Cells
143	<u>Lukas Wagner</u> <i>Fraunhofer ISE</i>	A Molten Salt Approach for Controlled Crystallization in In-Situ Perovskite Cells
144	<u>Yunfeng Wang</u> <i>The Hong Kong Polytechnic University</i>	Lasing characteristics of single-crystalline CsPbCl <sub>3</sub> perovskite microcavities under multiphoton excitation
145	<u>Zhiping Wang</u> <i>University of Oxford</i>	Ambient-air stable perovskite solar cells with doped electron-selective layer
146	<u>Jonathan Warby</u> <i>University of Oxford</i>	Inkjet printing of perovskite nanocrystals for light-emitting diodes
147	<u>Oliver J. Weber</u> <i>University of Bath</i>	Neutron Studies of Hybrid Perovskite Photovoltaic Materials
148	<u>Stefan Weber</u> <i>MPI for Polymer Research</i>	Mapping Slow Ionic Processes in Perovskite Solar Cells with Sub-Millisecond Time-Resolved Kelvin Probe Force Microscopy
149	<u>Julia Wiktor</u> <i>Ecole Polytechnique Fédérale de Lausanne</i>	Accurate GW band gap calculations of inorganic halide perovskites: Effects of self-consistency, spin-orbit interaction and thermal effects
150	<u>Carolin Wittich</u> <i>TU Darmstadt</i>	Electronic Structure of all Interfaces in a Perovskite Solar Cell
151	<u>Adam Wright</u> <i>University of Oxford</i>	Band-tail recombination in hybrid lead iodide perovskite
152	<u>Nandi Wu</u> <i>The Australian National University</i>	Identifying the Cause of Voltage and Fill Factor Losses in Perovskite Solar Cells Using Luminescence Measurements
153	<u>Zhaoxin Wu</u> <i>Xi'an Jiaotong University</i>	A Strategy of the Carriers Effective Injection into Perovskite Crystals for High Performance Light-Emitting Diodes
154	<u>Michael Wussler</u> <i>Technical University of Darmstadt</i>	Chemical and electronic properties of complete perovskite solar device by tapered angle XPS measurement

155	<u>Decheng Yang</u> <i>The Hong Kong Polytechnic University</i>	Frequency upconverted lasing from CsPbCl <sub>3</sub> nano-platelets by Five-Photon excitation
156	<u>Fengjiu Yang</u> <i>Kyoto University</i>	Highly Enhanced Photovoltaic Performance via Polymer Interface Engineering of Perovskite Solar Cells
157	<u>Zhuo Yang</u> <i>Laboratoire National des Champs Magnétiques Intenses</i>	Unravelling the exciton binding energy and the dielectric constant in single crystal MAPbI <sub>3</sub> perovskite
158	<u>Natalia Yantara</u> <i>Nanyang Technological University</i>	CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> templating via Bathophenanthroline additive for efficient light-emitting devices
159	<u>Kubra Yasaroglu</u> CNRS	Enhancement of macroporosity by sol-gel TiO <sub>2</sub> /SnO <sub>2</sub> moulding of self-assembled polymer beads for monolithic perovskite solar cell
160	<u>Jae Choul Yu</u> UNIST	Highly stable and efficient inverted perovskite solar cell using PEDOT:PSS and GO composite layer
161	<u>Wei Zhang</u> <i>University of Surrey</i>	High-quality Metal Halide Perovskite Thin Films for Photovoltaic Applications
162	<u>Fuguo Zhang</u> <i>KTH Royal Institute of Technology</i>	Molecular Engineering of Spiro Carbazole / Fluorene based Hole Transport Materials for Efficient Perovskite Solar Cells
163	<u>Yu Zhong</u> <i>Macromolecular Chemistry I, University of Bayreuth</i>	Real-Time Observation of Iodide Ion Migration in Methylammonium Lead Halide Perovskite
164	<u>Ayan Zhumekenov</u> <i>King Abdullah University of Science and Technology</i>	Monocrystalline Films of Metal Halide Perovskites Grown by Surface Tension-Controlled Crystallization



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