

# Lucie Landová

## List of Publications by Year in descending order

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16  
papers

438  
citations

1040056

9  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature Dependence of the Urbach Energy in Lead Iodide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1368-1373.	4.6	191
2	Deep levels, charge transport and mixed conductivity in organometallic halide perovskites. <i>Energy and Environmental Science</i> , 2019, 12, 1413-1425.	30.8	60
3	Lead Halide Residue as a Source of Light-Induced Reversible Defects in Hybrid Perovskite Layers and Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 3011-3017.	17.4	57
4	Concentration-Dependent Impact of Alkali Li Metal Doped Mesoporous TiO <sub>2</sub> Electron Transport Layer on the Performance of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19376-19384.	3.1	32
5	A frame-supported ultrathin electrospun polymer membrane for transplantation of retinal pigment epithelial cells. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 045022.	3.3	20
6	Impact of Cation Multiplicity on Halide Perovskite Defect Densities and Solar Cell Voltages. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27333-27339.	3.1	18
7	Controlled Growth of Large Grains in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films Mediated by an Intermediate Liquid Phase without an Antisolvent for Efficient Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 12484-12493.	5.1	13
8	Unveiling the Effect of Potassium Treatment on the Mesoporous TiO <sub>2</sub> / Perovskite Interface in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 11488-11495.	5.1	13
9	Optical characterization of low temperature amorphous MoO <sub>x</sub> , WO <sub>x</sub> , and VO <sub>x</sub> prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2020, 693, 137690.	1.8	11
10	Toward Structured Macroporous Hydrogel Composites: Electron Beam-Initiated Polymerization of Layered Cryogels. <i>Biomacromolecules</i> , 2015, 16, 1146-1156.	5.4	6
11	Elucidating the role of TiCl <sub>4</sub> post-treatment on percolation of TiO <sub>2</sub> electron transport layer in perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 385501.	2.8	6
12	Immobilization of pyridinium nitrate and its application for the catalytic converting of $\beta$ -pinene oxide. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 108, 69-79.	1.7	5
13	Pulsed laser deposition of high-transparency molybdenum oxide thin films. <i>Vacuum</i> , 2021, 194, 110613.	3.5	4
14	Transformation of ZnO-based structures under heavy Mo doping: defect states and luminescence. , 2021, , .		2
15	Measurement of doping profiles by a contactless method of IR reflectance under grazing incidence. <i>Review of Scientific Instruments</i> , 2018, 89, 063114.	1.3	0
16	Effect of a-Si on CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Films and Applications in Perovskite Solar Cells. , 2019, , .		0