

# Victor M Burlakov

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

8,647  
citations

471061

17  
h-index

713013

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

11027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological Control for High Performance, Solution-Processed Planar Heterojunction Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 151-157.	7.8	1,782
2	High-quality bulk hybrid perovskite single crystals within minutes by inverse temperature crystallization. <i>Nature Communications</i> , 2015, 6, 7586.	5.8	1,478
3	Enhanced Photoluminescence and Solar Cell Performance via Lewis Base Passivation of Organic-Inorganic Lead Halide Perovskites. <i>ACS Nano</i> , 2014, 8, 9815-9821.	7.3	1,439
4	Recombination Kinetics in Organic-Inorganic Perovskites: Excitons, Free Charge, and Subgap States. <i>Physical Review Applied</i> , 2014, 2, .	1.5	1,005
5	Photo-induced halide redistribution in organic-inorganic perovskite films. <i>Nature Communications</i> , 2016, 7, 11683.	5.8	778
6	Enhanced optoelectronic quality of perovskite thin films with hypophosphorous acid for planar heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 10030.	5.8	620
7	Neutral Color Semitransparent Microstructured Perovskite Solar Cells. <i>ACS Nano</i> , 2014, 8, 591-598.	7.3	412
8	Solution-Grown Monocrystalline Hybrid Perovskite Films for Hole-Transporter-Free Solar Cells. <i>Advanced Materials</i> , 2016, 28, 3383-3390.	11.1	298
9	Plasmonic-Induced Photon Recycling in Metal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5038-5046.	7.8	198
10	Pure crystal orientation and anisotropic charge transport in large-area hybrid perovskite films. <i>Nature Communications</i> , 2016, 7, 13407.	5.8	170
11	The Role of Surface Tension in the Crystallization of Metal Halide Perovskites. <i>ACS Energy Letters</i> , 2017, 2, 1782-1788.	8.8	155
12	Automated Synthesis of Photovoltaic-Quality Colloidal Quantum Dots Using Separate Nucleation and Growth Stages. <i>ACS Nano</i> , 2013, 7, 10158-10166.	7.3	97
13	Double Charged Surface Layers in Lead Halide Perovskite Crystals. <i>Nano Letters</i> , 2017, 17, 2021-2027.	4.5	60
14	Controlling Nucleation and Growth of Metal Halide Perovskite Thin Films for High-Efficiency Perovskite Solar Cells. <i>Small</i> , 2017, 13, 1602808.	5.2	36
15	Competitive Nucleation Mechanism for CsPbBr <sub>3</sub> Perovskite Nanoplatelet Growth. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6535-6543.	2.1	31
16	Real-Space Visualization of Energy Loss and Carrier Diffusion in a Semiconductor Nanowire Array Using 4D Electron Microscopy. <i>Advanced Materials</i> , 2016, 28, 5106-5111.	11.1	27
17	Trapping shape-controlled nanoparticle nucleation and growth stages via continuous-flow chemistry. <i>Chemical Communications</i> , 2017, 53, 2495-2498.	2.2	19
18	Interference of Mode Instabilities and Pattern Formation in Anharmonic Lattices. <i>Physical Review Letters</i> , 1998, 80, 3988-3991.	2.9	17

#	ARTICLE	IF	CITATIONS
19	Imaging Localized Energy States in Silicon-Doped InGaN Nanowires Using 4D Electron Microscopy. ACS Energy Letters, 2018, 3, 476-481.	8.8	15
20	Reverse Coarsening and the Control of Particle Size Distribution through Surfactant. Applied Sciences (Switzerland), 2020, 10, 5359.	1.3	8
21	SPATIAL- AND SPATIO-TEMPORAL PATTERN FORMATION IN OPTICALLY DRIVEN DISCRETE SYSTEMS. International Journal of Modern Physics B, 1999, 13, 791-805.	1.0	2
22	Ligand-Assisted Growth of Nanowires from Solution. Applied Sciences (Switzerland), 2021, 11, 7641.	1.3	0