Victor M Burlakov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Morphological Control for High Performance, Solutionâ€Processed Planar Heterojunction Perovskite Solar Cells. Advanced Functional Materials, 2014, 24, 151-157.	14.9	1,782
2	High-quality bulk hybrid perovskite single crystals within minutes by inverse temperature crystallization. Nature Communications, 2015, 6, 7586.	12.8	1,478
3	Enhanced Photoluminescence and Solar Cell Performance <i>via</i> Lewis Base Passivation of Organic–Inorganic Lead Halide Perovskites. ACS Nano, 2014, 8, 9815-9821.	14.6	1,439
4	Recombination Kinetics in Organic-Inorganic Perovskites: Excitons, Free Charge, and Subgap States. Physical Review Applied, 2014, 2, .	3.8	1,005
5	Photo-induced halide redistribution in organic–inorganic perovskite films. Nature Communications, 2016, 7, 11683.	12.8	778
6	Enhanced optoelectronic quality of perovskite thin films with hypophosphorous acid for planar heterojunction solar cells. Nature Communications, 2015, 6, 10030.	12.8	620
7	Neutral Color Semitransparent Microstructured Perovskite Solar Cells. ACS Nano, 2014, 8, 591-598.	14.6	412
8	Solutionâ€Grown Monocrystalline Hybrid Perovskite Films for Holeâ€Transporterâ€Free Solar Cells. Advanced Materials, 2016, 28, 3383-3390.	21.0	298
9	Plasmonicâ€Induced Photon Recycling in Metal Halide Perovskite Solar Cells. Advanced Functional Materials, 2015, 25, 5038-5046.	14.9	198
10	Pure crystal orientation and anisotropic charge transport in large-area hybrid perovskite films. Nature Communications, 2016, 7, 13407.	12.8	170
11	The Role of Surface Tension in the Crystallization of Metal Halide Perovskites. ACS Energy Letters, 2017, 2, 1782-1788.	17.4	155
12	Automated Synthesis of Photovoltaic-Quality Colloidal Quantum Dots Using Separate Nucleation and Growth Stages. ACS Nano, 2013, 7, 10158-10166.	14.6	97
13	Double Charged Surface Layers in Lead Halide Perovskite Crystals. Nano Letters, 2017, 17, 2021-2027.	9.1	60
14	Controlling Nucleation and Growth of Metal Halide Perovskite Thin Films for Highâ€Efficiency Perovskite Solar Cells. Small, 2017, 13, 1602808.	10.0	36
15	Competitive Nucleation Mechanism for CsPbBr ₃ Perovskite Nanoplatelet Growth. Journal of Physical Chemistry Letters, 2020, 11, 6535-6543.	4.6	31
16	Real‣pace Visualization of Energy Loss and Carrier Diffusion in a Semiconductor Nanowire Array Using 4D Electron Microscopy. Advanced Materials, 2016, 28, 5106-5111.	21.0	27
17	Trapping shape-controlled nanoparticle nucleation and growth stages via continuous-flow chemistry. Chemical Communications, 2017, 53, 2495-2498.	4.1	19
18	Interference of Mode Instabilities and Pattern Formation in Anharmonic Lattices. Physical Review Letters, 1998, 80, 3988-3991.	7.8	17

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19	Imaging Localized Energy States in Silicon-Doped InGaN Nanowires Using 4D Electron Microscopy. ACS Energy Letters, 2018, 3, 476-481.	17.4	15
20	Reverse Coarsening and the Control of Particle Size Distribution through Surfactant. Applied Sciences (Switzerland), 2020, 10, 5359.	2.5	8
21	SPATIAL- AND SPATIO-TEMPORAL PATTERN FORMATION IN OPTICALLY DRIVEN DISCRETE SYSTEMS. International Journal of Modern Physics B, 1999, 13, 791-805.	2.0	2
22	Ligand-Assisted Growth of Nanowires from Solution. Applied Sciences (Switzerland), 2021, 11, 7641.	2.5	0