

Victor M Burlakov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

7,247
citations

16
h-index

22
g-index

22
ext. papers

7,960
ext. citations

13
avg, IF

5.87
L-index

#	Paper	IF	Citations
22	Morphological Control for High Performance, Solution-Processed Planar Heterojunction Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2014 , 24, 151-157	15.6	1639
21	Enhanced photoluminescence and solar cell performance via Lewis base passivation of organic-inorganic lead halide perovskites. <i>ACS Nano</i> , 2014 , 8, 9815-21	16.7	1194
20	High-quality bulk hybrid perovskite single crystals within minutes by inverse temperature crystallization. <i>Nature Communications</i> , 2015 , 6, 7586	17.4	1164
19	Recombination Kinetics in Organic-Inorganic Perovskites: Excitons, Free Charge, and Subgap States. <i>Physical Review Applied</i> , 2014 , 2,	4.3	874
18	Photo-induced halide redistribution in organic-inorganic perovskite films. <i>Nature Communications</i> , 2016 , 7, 11683	17.4	621
17	Enhanced optoelectronic quality of perovskite thin films with hypophosphorous acid for planar heterojunction solar cells. <i>Nature Communications</i> , 2015 , 6, 10030	17.4	492
16	Neutral color semitransparent microstructured perovskite solar cells. <i>ACS Nano</i> , 2014 , 8, 591-8	16.7	365
15	Solution-Grown Monocrystalline Hybrid Perovskite Films for Hole-Transporter-Free Solar Cells. <i>Advanced Materials</i> , 2016 , 28, 3383-90	24	238
14	Plasmonic-Induced Photon Recycling in Metal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2015 , 25, 5038-5046	15.6	167
13	Pure crystal orientation and anisotropic charge transport in large-area hybrid perovskite films. <i>Nature Communications</i> , 2016 , 7, 13407	17.4	140
12	The Role of Surface Tension in the Crystallization of Metal Halide Perovskites. <i>ACS Energy Letters</i> , 2017 , 2, 1782-1788	20.1	103
11	Automated synthesis of photovoltaic-quality colloidal quantum dots using separate nucleation and growth stages. <i>ACS Nano</i> , 2013 , 7, 10158-66	16.7	77
10	Double Charged Surface Layers in Lead Halide Perovskite Crystals. <i>Nano Letters</i> , 2017 , 17, 2021-2027	11.5	52
9	Controlling Nucleation and Growth of Metal Halide Perovskite Thin Films for High-Efficiency Perovskite Solar Cells. <i>Small</i> , 2017 , 13, 1602808	11	29
8	Real-Space Visualization of Energy Loss and Carrier Diffusion in a Semiconductor Nanowire Array Using 4D Electron Microscopy. <i>Advanced Materials</i> , 2016 , 28, 5106-11	24	23
7	Competitive Nucleation Mechanism for CsPbBr Perovskite Nanoplatelet Growth. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6535-6543	6.4	20
6	Trapping shape-controlled nanoparticle nucleation and growth stages via continuous-flow chemistry. <i>Chemical Communications</i> , 2017 , 53, 2495-2498	5.8	16

5	Interference of Mode Instabilities and Pattern Formation in Anharmonic Lattices. <i>Physical Review Letters</i> , 1998 , 80, 3988-3991	7.4	15
4	Imaging Localized Energy States in Silicon-Doped InGaN Nanowires Using 4D Electron Microscopy. <i>ACS Energy Letters</i> , 2018 , 3, 476-481	20.1	11
3	Reverse Coarsening and the Control of Particle Size Distribution through Surfactant. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5359	2.6	5
2	SPATIAL- AND SPATIO-TEMPORAL PATTERN FORMATION IN OPTICALLY DRIVEN DISCRETE SYSTEMS. <i>International Journal of Modern Physics B</i> , 1999 , 13, 791-805	1.1	2
1	Ligand-Assisted Growth of Nanowires from Solution. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7641	2.6	