Yevgeny Rakita

List of Publications by Year
in descending order

19	1,337	759233 12	888059 17
papers	citations	h-index	g-index

19	19	19	2903
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Temperature Solution-Grown CsPbBr₃ Single Crystals and Their Characterization. Crystal Growth and Design, 2016, 16, 5717-5725.	3.0	329
2	Mechanical properties of APbX3 (A = Cs or CH3NH3; X= I or Br) perovskite single crystals. MRS Communications, 2015, 5, 623-629.	1.8	270
3	Tetragonal CH ₃ NH ₃ PbI ₃ is ferroelectric. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5504-E5512.	7.1	240
4	Selfâ€Healing Inside APbBr₃ Halide Perovskite Crystals. Advanced Materials, 2018, 30, 1706273.	21.0	149
5	Conversion of Single Crystalline PbI₂ to CH₃NH₃PbI₃: Structural Relations and Transformation Dynamics. Chemistry of Materials, 2016, 28, 6501-6510.	6.7	76
6	When defects become â€˜dynamicâ€™: halide perovskites: a new window on materials?. Materials Horizons, 2019, 6, 1297-1305.	12.2	55
7	Laplace current deep level transient spectroscopy measurements of defect states in methylammonium lead bromide single crystals. Journal of Applied Physics, 2017, 122, .	2.5	50
8	CH3NH3PbBr3 is not pyroelectric, excluding ferroelectric-enhanced photovoltaic performance. APL Materials, 2016, 4, .	5.1	42
9	Elucidating the atomistic origin of anharmonicity in tetragonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CH</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>NH</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>PbI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> with Raman scattering. Physical Review Materials, 2020, 4, .	2.4	34
10	Lattice mode symmetry analysis of the orthorhombic phase of methylammonium lead iodide using polarized Raman. Physical Review Materials, 2020, 4, .	2.4	20
11	Ultrafast Charge Carrier Relaxation in Inorganic Halide Perovskite Single Crystals Probed by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 5414-5421.	4.6	16
12	Origin of the anomalous Pb-Br bond dynamics in formamidinium lead bromide perovskites. Physical Review B, 2020, 101, .	3.2	14
13	Metal to Halide Perovskite (HaP): An Alternative Route to HaP Coating, Directly from Pb⁽⁰⁾ or Sn⁽⁰⁾ Films. Chemistry of Materials, 2017, 29, 8620-8629.	6.7	12
14	Active Reaction Control of Cu Redox State Based on Real-Time Feedback from In Situ Synchrotron Measurements. Journal of the American Chemical Society, 2020, 142, 18758-18762.	13.7	9
15	Effect of Low Pressure on Tetragonal to Cubic Phase Transition of Methylammonium Lead Iodide Perovskite. Journal of Physical Chemistry Letters, 2020, 11, 1473-1476.	4.6	8
16	Single-Crystal Growth and Thermal Stability of (CH₃NH₃)_{1â€“x}Cs_xPbBr₃. Crystal Growth and Design, 2020, 20, 4366-4374.	3.0	8
17	Electrostatic Potential of Polyelectrolyte Molecules Grafted on Charged Surfaces: A Poisson-Boltzmann Model. Journal of the Electrochemical Society, 2014, 161, E3049-E3058.	2.9	4
18	Local structure determination using total scattering data. , 2023, , 222-247.		1

#	Article	IF	Citations
19	Probing electron-phonon couplings in halide perovskites crystals by temperature-dependent ultrafast two-dimensional electronic spectroscopy. , 2020, , .		0