

Raimundas Sereika

List of Publications by Year in descending order

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50
papers

574
citations

840776

11
h-index

642732

23
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51
all docs

51
docs citations

51
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	Searching for Defect-Tolerant Photovoltaic Materials: Combined Theoretical and Experimental Screening. <i>Chemistry of Materials</i> , 2017, 29, 4667-4674.	6.7	275
2	Antiferroelectric phase transition in SbSI and SbSeI crystals. <i>Solid State Communications</i> , 2008, 147, 88-89.	1.9	31
3	Predictors of response to short-term proton pump inhibitor treatment in laryngopharyngeal reflux patients. <i>Journal of Laryngology and Otology</i> , 2008, 122, 1206-1212.	0.8	25
4	Electronic structure and optical properties of BiSI crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 884-891.	4.0	23
5	XPS study of sol-gel produced lanthanum oxide thin films. <i>Lithuanian Journal of Physics</i> , 2014, 54, 120-124.	0.4	21
6	Sol-gel synthesis and XPS study of vanadium pentoxide xerogels intercalated with glucose. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 385-390.	2.4	17
7	Novel Superstructure-Phase Two-Dimensional Material 1T-VSe ₂ at High Pressure. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 380-386.	4.6	17
8	Enhanced magnetization of the highest ferrimagnetic oxide $T_2C_2O_6$. <i>Physical Review B</i> , 2020, 102, .	3.2	13
9	Optical properties of BiSBr and BiSeBr crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1501-1505.	4.0	12
10	Lattice frustration in spin-orbit Mott insulator Sr ₃ Ir ₂ O ₇ at high pressure. <i>Npj Quantum Materials</i> , 2019, 4, .	5.2	12
11	Electronic structure and optical properties of BiSeI crystal. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1702-1708.	1.5	11
12	Birefringence and refractive indices of ferroelectric SbSI. <i>Phase Transitions</i> , 2012, 85, 542-552.	1.3	8
13	Dielectric and electrical properties of SbSI and SbSeI single crystals in the region of antiferroelectric phase transition. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 83, 117-120.	4.0	8
14	Probing Cerium $4f$ States across the Volume Collapse Transition by X-ray Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7890-7897.	4.6	8
15	Current mechanism in SbSeI crystals based on phonon-assisted tunnelling emission. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3260-3264.	1.5	6
16	Origin of the Optical Anomalies Near the Ferroelectric Phase Transition in SbSI and SbSBr Crystals. <i>Ferroelectrics, Letters Section</i> , 2008, 35, 51-61.	1.0	6
17	Structural changes in chlorine-substituted SbSI. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	6
18	Structural, Vibrational, and Electronic Properties of 1D-TlInTe ₂ under High Pressure: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2021, 60, 9320-9331.	4.0	6

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19	Tunable band gap of layered semiconductor Zn ₃ In ₂ S ₆ under pressure. Journal of Materials Chemistry C, 0, , .	5.5	6
20	Density Functional Calculation of the Photoelectron Emission Spectra of BiSbCl Crystal and Molecular Clusters. Journal of Cluster Science, 2010, 21, 577-589.	3.3	5
21	Reflection and vibrational spectra of SbSbCl _{0.110.9} crystals in the ferroelectric phase-transition region. Journal of Physics and Chemistry of Solids, 2014, 75, 194-197.	4.0	5
22	Novel Valence Transition in Elemental Metal Europium around 80 GPa. Physical Review Letters, 2022, 129, .	7.8	5
23	ELECTRONIC STRUCTURE AND ELECTRON CHARGE DENSITY IN THE INTERATOMIC BONDS OF BiSbBr and BiSeBr CRYSTALS. International Journal of Modern Physics B, 2013, 27, 1350122.	2.0	4
24	Origin of ferroelectric phase transition in SbSbCl _{1-x} mixed crystals. International Journal of Modern Physics B, 2014, 28, 1450209.	2.0	4
25	Aberrant electronic and structural alterations in pressure tuned perovskite NaOsO ₃ . Npj Quantum Materials, 2020, 5, .	5.2	4
26	The Nature of the Ferroelectric Phase Transition in the Modified SbSI Ceramics. Ferroelectrics, 2011, 425, 45-53.	0.6	3
27	Prolonged mixed phase induced by high pressure in MnRuP. Physical Review B, 2018, 97, .	3.2	3
28	Metallization of Quantum Material GaTa ₄ Se ₈ at High Pressure. Journal of Physical Chemistry Letters, 2021, 12, 5601-5607.	4.6	3
29	Current Mechanism in SbSI $\hat{\sim}$ xSbCl Crystals. Ferroelectrics, 2007, 350, 111-117.	0.6	2
30	Optical spectra of bismuth sulfochloride crystals. Physica Status Solidi (B): Basic Research, 2010, 247, 176-181.	1.5	2
31	The thermodynamic functions of SbSbBr crystal. Phase Transitions, 2010, 83, 389-395.	1.3	2
32	Lattice Dynamics of Ferroelectric SbSbBr Crystal. Ferroelectrics, 2011, 413, 434-442.	0.6	2
33	Impact of humidity on surface acoustic wave propagation in vanadium pentoxide xerogel-lithium niobate structure. Japanese Journal of Applied Physics, 2014, 53, 118004.	1.5	2
34	On the Heat Capacities of SbSI and SbSbBr. Ferroelectrics, Letters Section, 2014, 41, 51-55.	1.0	2
35	The thermodynamic functions of ferroelectric and paraelectric SbSI. Phase Transitions, 2014, 87, 509-514.	1.3	2
36	Birefringence of SbSI and SbSeI crystals at the region of antiferroelectric phase transition. Phase Transitions, 2017, 90, 312-316.	1.3	2

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37	Anomalous behavior of the quasi-one-dimensional quantum material Na ₂ O ₅ O ₄ at high pressure. <i>Materials Today Physics</i> , 2019, 8, 18-24.	6.0	2
38	Two-transition behavior in Bi _{0.5} Sb _{0.5} SeI crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110031.	4.0	2
39	Comment on "Conductivity of single MoS ₂ molecular nanowire bundles". <i>Nanotechnology</i> , 2007, 18, 508001.	2.6	1
40	Spectroscopic Ellipsometry Studies of Ferroelectric Sb ₂ S ₃ Crystals. <i>Ferroelectrics</i> , 2008, 366, 45-54.	0.6	1
41	Investigation of the Vibrational Spectra of a Sb ₂ S ₃ Crystals in Harmonic and Anharmonic Approximations. <i>Ferroelectrics</i> , 2008, 377, 22-35.	0.6	1
42	Acoustoelectric investigation of V ₂ O ₅ ·nH ₂ O thin film transition from wet gel to xerogel. <i>Journal of Non-Crystalline Solids</i> , 2015, 425, 24-27.	3.1	1
43	Quenchable amorphous glass-like material from VF ₃ . <i>Dalton Transactions</i> , 2021, 50, 3005-3010.	3.3	1
44	Piezochromic luminescence of dicoronylene: Key for revealing hidden Raman modes at high pressure. <i>Carbon</i> , 2022, , .	10.3	1
45	On the structure of SbTeI. <i>Journal of Applied Physics</i> , 2022, 132, 015106.	2.5	1
46	PHONON-ASSISTED TUNNELING THEORIES APPLIED TO ELECTRONIC CONDUCTION IN NANOWIRES OF INORGANIC COMPOUNDS. , 2009, , .		0
47	Investigation of vibration spectrum ferroelectric semiconductor SbSBr nanowire. <i>Physica B: Condensed Matter</i> , 2010, 405, 3599-3604.	2.7	0
48	Contactless Monitoring of Conductivity Changes in Vanadium Pentoxide Xerogel Layers Using Surface Acoustic Waves. <i>Physics Procedia</i> , 2015, 70, 135-138.	1.2	0
49	Origin of ferroelectric phase transition in SbOxS _{1-x} mixed crystals. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550167.	2.0	0
50	CHEMICAL COMPOSITION STUDY OF VANADIUM PENTOXIDE XEROGELS DOPED BY BOVINE ALBUMIN. <i>Surface Review and Letters</i> , 2016, 23, 1650058.	1.1	0