# Raimundas Sereika

List of Publications by Year
in descending order



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|---|---|---|---|
| 50 papers | 574 citations | 840776 11 h-index | 642732 23 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 1170 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Piezochromic luminescence of dicoronylene: Key for revealing hidden Raman modes at high pressure. Carbon, 2022, , . | 10.3 | 1 |
| 2 | Novel Valence Transition in Elemental Metal Europium around 80ÂGPa. Physical Review Letters, 2022, 129, . | 7.8 | 5 |
| 3 | On the structure of SbTeI. Journal of Applied Physics, 2022, 132, 015106. | 2.5 | 1 |
| 4 | Quenchable amorphous glass-like material from VF<sub>3</sub>. Dalton Transactions, 2021, 50, 3005-3010. | 3.3 | 1 |
| 5 | Metallization of Quantum Material GaTa4Se8 at High Pressure. Journal of Physical Chemistry Letters, 2021, 12, 5601-5607. | 4.6 | 3 |
| 6 | Structural, Vibrational, and Electronic Properties of 1D-TlInTe<sub>2</sub> under High Pressure: A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2021, 60, 9320-9331. | 4.0 | 6 |
| 7 | Two-transition behavior in Bi0.5Sb0.5SeI crystals. Journal of Physics and Chemistry of Solids, 2021, 154, 110031. | 4.0 | 2 |
| 8 | Novel Superstructure-Phase Two-Dimensional Material 1T-VSe2 at High Pressure. Journal of Physical Chemistry Letters, 2020, 11, 380-386. | 4.6 | 17 |
| 9 | Aberrant electronic and structural alterations in pressure tuned perovskite NaOsO3. Npj Quantum Materials, 2020, 5, . | 5.2 | 4 |
| 10 | Enhanced magnetization of the highest- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>C</mml:mi></mml:msub></mml:ma ferrimagnetic oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:n mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 102, . | 3.2 | 13 |
| 11 | Structural changes in chlorine-substituted SbSI. Journal of Applied Physics, 2019, 126, . | 2.5 | 6 |
| 12 | Lattice frustration in spin-orbit Mott insulator Sr3Ir2O7 at high pressure. Npj Quantum Materials, 2019, 4, . | 5.2 | 12 |
| 13 | Anomalous behavior of the quasi-one-dimensional quantum material Na2OsO4 at high pressure. Materials Today Physics, 2019, 8, 18-24. | 6.0 | 2 |
| 14 | Probing Cerium 4f States across the Volume Collapse Transition by X-ray Raman Scattering. Journal of Physical Chemistry Letters, 2019, 10, 7890-7897. | 4.6 | 8 |
| 15 | Prolonged mixed phase induced by high pressure in MnRuP. Physical Review B, 2018, 97, . | 3.2 | 3 |
| 16 | Birefringence of SbSI and SbSeI crystals at the region of antiferroelectric phase transition. Phase Transitions, 2017, 90, 312-316. | 1.3 | 2 |
| 17 | Searching for â€œDefect-Tolerantâ€•Photovoltaic Materials: Combined Theoretical and Experimental Screening. Chemistry of Materials, 2017, 29, 4667-4674. | 6.7 | 275 |
| 18 | CHEMICAL COMPOSITION STUDY OF VANADIUM PENTOXIDE XEROGELS DOPED BY BOVINE ALBUMIN. Surface Review and Letters, 2016, 23, 1650058. | 1.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Contactless Monitoring of Conductivity Changes in Vanadium Pentoxide Xerogel Layers Using Surface Acoustic Waves. Physics Procedia, 2015, 70, 135-138. | 1.2 | 0 |
| 20 | Origin of ferroelectric phase transition in SbOxS1â˜'xI mixed crystals. International Journal of Modern Physics B, 2015, 29, 1550167. | 2.0 | 0 |
| 21 | Acoustoelectric investigation of V 2 O 5 Â· n H 2 O thin film transition from wet gel to xerogel. Journal of Non-Crystalline Solids, 2015, 425, 24-27. | 3.1 | 1 |
| 22 | Dielectric and electrical properties of SbSI and SbSeI single crystals in the region of antiferroelectric phase transition. Journal of Physics and Chemistry of Solids, 2015, 83, 117-120. | 4.0 | 8 |
| 23 | Origin of ferroelectric phase transition in SbSClxI1-x mixed crystals. International Journal of Modern Physics B, 2014, 28, 1450209. | 2.0 | 4 |
| 24 | Impact of humidity on surface acoustic wave propagation in vanadium pentoxide xerogelâ€"lithium niobate structure. Japanese Journal of Applied Physics, 2014, 53, 118004. | 1.5 | 2 |
| 25 | Solâ€"gel synthesis and XPS study of vanadium pentoxide xerogels intercalated with glucose. Journal of Sol-Gel Science and Technology, 2014, 71, 385-390. | 2.4 | 17 |
| 26 | On the Heat Capacities of SbSI and SbSBr. Ferroelectrics, Letters Section, 2014, 41, 51-55. | 1.0 | 2 |
| 27 | The thermodynamic functions of ferroelectric and paraelectric SbSI. Phase Transitions, 2014, 87, 509-514. | 1.3 | 2 |
| 28 | Reflection and vibrational spectra of SbSCl0.1I0.9 crystals in the ferroelectric phase-transition region. Journal of Physics and Chemistry of Solids, 2014, 75, 194-197. | 4.0 | 5 |
| 29 | XPS study of solâ€"gel produced lanthanum oxide thin films. Lithuanian Journal of Physics, 2014, 54, 120-124. | 0.4 | 21 |
| 30 | ELECTRONIC STRUCTURE AND ELECTRON CHARGE DENSITY IN THE INTERATOMIC BONDS OF BiSBr and BiSeBr CRYSTALS. International Journal of Modern Physics B, 2013, 27, 1350122. | 2.0 | 4 |
| 31 | Birefringence and refractive indices of ferroelectric SbSI. Phase Transitions, 2012, 85, 542-552. | 1.3 | 8 |
| 32 | Optical properties of BiSBr and BiSeBr crystals. Journal of Physics and Chemistry of Solids, 2011, 72, 1501-1505. | 4.0 | 12 |
| 33 | The Nature of the Ferroelectric Phase Transition in the Modified SbSI Ceramics. Ferroelectrics, 2011, 425, 45-53. | 0.6 | 3 |
| 34 | Lattice Dynamics of Ferroelectric SbSBr Crystal. Ferroelectrics, 2011, 413, 434-442. | 0.6 | 2 |
| 35 | Density Functional Calculation of the Photoelectron Emission Spectra of BiSCl Crystal and Molecular Clusters. Journal of Cluster Science, 2010, 21, 577-589. | 3.3 | 5 |
| 36 | Electronic structure and optical properties of BiSI crystal. Journal of Physics and Chemistry of Solids, 2010, 71, 884-891. | 4.0 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Investigation of vibration spectrum ferroelectric semiconductor SbSBr nanowire. Physica B: Condensed Matter, 2010, 405, 3599-3604. | 2.7 | 0 |
| 38 | Optical spectra of bismuth sulfochloride crystals. Physica Status Solidi (B): Basic Research, 2010, 247, 176-181. | 1.5 | 2 |
| 39 | The thermodynamic functions of SbSBr crystal. Phase Transitions, 2010, 83, 389-395. | 1.3 | 2 |
| 40 | Electronic structure and optical properties of BiSeI crystal. Physica Status Solidi (B): Basic Research, 2009, 246, 1702-1708. | 1.5 | 11 |
| 41 | PHONON-ASSISTED TUNNELING THEORIES APPLIED TO ELECTRONIC CONDUCTION IN NANOWIRES OF INORGANIC COMPOUNDS. , 2009, , . | | 0 |
| 42 | Antiferroelectric phase transition in SbSI and SbSeI crystals. Solid State Communications, 2008, 147, 88-89. | 1.9 | 31 |
| 43 | Spectroscopic Ellipsometry Studies of Ferroelectric SbSe<sub>x</sub>S<sub>1â€”x</sub>I Crystals. Ferroelectrics, 2008, 366, 45-54. | 0.6 | 1 |
| 44 | Investigation of the Vibrational Spectra of a SbSI (Sb2S3)0.15Crystals in Harmonic and Anharmonic Approximations. Ferroelectrics, 2008, 377, 22-35. | 0.6 | 1 |
| 45 | Origin of the Optical Anomalies Near the Ferroelectric Phase Transition in SbSI and SbSBr Crystals. Ferroelectrics, Letters Section, 2008, 35, 51-61. | 1.0 | 6 |
| 46 | Predictors of response to short-term proton pump inhibitor treatment in laryngopharyngeal reflux patients. Journal of Laryngology and Otology, 2008, 122, 1206-1212. | 0.8 | 25 |
| 47 | Comment on â€˜Conductivity of single Mo6S9â€“xIxmolecular nanowire bundlesâ€™. Nanotechnology, 2007, 18, 508001. | 2.6 | 1 |
| 48 | Current Mechanism in SbS1 â€“ xSexI Crystals. Ferroelectrics, 2007, 350, 111-117. | 0.6 | 2 |
| 49 | Current mechanism in SbSeI crystals based on phonon-assisted tunnelling emission. Physica Status Solidi (B): Basic Research, 2007, 244, 3260-3264. | 1.5 | 6 |
| 50 | Tunable band gap of layered semiconductor Zn3In2S6 under pressure. Journal of Materials Chemistry C, 0, , . | 5.5 | 6 |