# Sergey I Kurganskii

List of Publications by Year
in descending order



| 48 | 247 | 932766 10 | 1125271 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 48 | 48 | 48 | 213 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electronic structure and K-edge X-ray absorption of iron monosilicide. Journal of Physics: Conference Series, 2021, 1902, 012139. | 0.3 | 1 |
| 2 | Oscillating fine structure of x-ray absorption and atomic structure of metallic layers in a magnetic multilayer nanostructure (Đ¡o45Fe45Zr10/SiO2)n. Materials Research Express, 2019, 6, 1150g9. | 0.8 | 2 |
| 3 | Application of computer simulation for research of spatial structure, growth, and electronic properties of zero-dimensional structures on example of silicon-niobium anionic clusters. Journal of Physics: Conference Series, 2019, 1203, 012056. | 0.3 | 2 |
| 4 | Electronic structure of stishovite SiO<sub>2</sub>. Journal of Physics: Conference Series, 2019, 1352, 012032. | 0.3 | 1 |
| 5 | Atomic Structure and Electronic Properties of Anionic Germaniumâ€“Zirconium Clusters. Inorganic Materials, 2018, 54, 1-7. | 0.2 | 17 |
| 6 | Electronic Structure of Four-Element Clathrates of the Baâ€“Znâ€“Siâ€“Ge System. Semiconductors, 2018, 52, 282-286. | 0.2 | 1 |
| 7 | Anionic Germaniumâ€“Niobium Clusters: Atomic Structure, Mechanisms of Cluster Formation, and Electronic Spectra. Russian Journal of Physical Chemistry A, 2018, 92, 1720-1726. | 0.1 | 7 |
| 8 | Spatial Structure, Electron Energy Spectrum, and Growth of HfSi n â^' Clusters (n = 6â€“20). Russian Journal of Inorganic Chemistry, 2018, 63, 1062-1068. | 0.3 | 3 |
| 9 | Ab initio calculation and synchrotron X-ray spectroscopy investigations of tin oxides near the Sn L 3 absorption edges. Physics of the Solid State, 2016, 58, 2379-2384. | 0.2 | 1 |
| 10 | The electronic structure peculiarities of a strained silicon layer in silicon-on-insulator: Experimental and theoretical data. Applied Surface Science, 2016, 382, 331-335. | 3.1 | 1 |
| 11 | A novel approach to the electronic structure and surface composition investigations of tin-oxygen system materials by means of X-ray absorption spectroscopy combined with ab initio calculations. Computational Materials Science, 2016, 121, 119-123. | 1.4 | 17 |
| 12 | Spatial structure and electron energy spectrum of HfGe n â€“ (n = 6â€“20) clusters. Inorganic Materials, 2015, 51, 870-876. | 0.2 | 6 |
| 13 | Spatial structure and electron energy spectra of ScGe n â^' (n = 6â€“16) clusters. Russian Journal of Physical Chemistry B, 2015, 9, 9-18. | 0.2 | 12 |
| 14 | Spatial and electronic structures of the germanium-tantalum clusters TaGe n â^' (n = 8â€“17). Physics of the Solid State, 2014, 56, 2336-2342. | 0.2 | 8 |
| 15 | Geometric structure, electron-energy spectrum, and growth of anionic scandium-silicon clusters ScSin- (nâ€‰=â€‰6â€“20). Journal of Applied Physics, 2014, 116, 124302. | 1.1 | 11 |
| 16 | Theoretical and experimental study of the electronic structure of tin dioxide. Physics of the Solid State, 2014, 56, 1748-1753. | 0.2 | 16 |
| 17 | Spatial structure and electronic spectrum of TiSi n â^' clusters (n = 6â€“18). Russian Journal of Physical Chemistry A, 2014, 88, 1712-1718. | 0.1 | 3 |
| 18 | Geometric structure and electron spectrum of YSi n â^' clusters (n = 6â€“17). Physics of the Solid State, 2014, 56, 1276-1281. | 0.2 | 4 |

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|---|---|---|---|
| 19 | Electron energy spectrum in silicon-based Pd-substituted clathrate crystals. Physics of the Solid State, 2012, 54, 255-260. | 0.2 | 0 |
| 20 | Electronic structure and spectral characteristics of Zn-substituted clathrate silicides. Semiconductors, 2011, 45, 713-723. | 0.2 | 12 |
| 21 | Power consumption reduction for configuration SRAM of field programmable gate arrays. , 2011, , . | | 0 |
| 22 | Electron structure and spectral characteristics of Cd-substituted Ge-based clathrates. Semiconductors, 2010, 44, 987-992. | 0.2 | 1 |
| 23 | Investigation of properties of 36-bit adders for creation of DSP blocks on FPGA. , 2010, , . | | 1 |
| 24 | Electronic structure of Zn-substituted germanium clathrates. Semiconductors, 2009, 43, 563-567. | 0.2 | 13 |
| 25 | Quantum-chemical modeling of the structure of strained silicon nanocrystals on a germanium substrate. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1245-1247. | 0.1 | 0 |
| 26 | Quantum chemical modeling of the structure of strained silicon nanocrystals. Journal of Structural Chemistry, 2007, 48, 960-963. | 0.3 | 0 |
| 27 | Atomic and electronic structure of the silicon and silicon-metal Si20, Si 20 â^' , NaSi20, KSi20 nanoparticles. Semiconductors, 2006, 40, 1423-1428. | 0.2 | 5 |
| 28 | Influence of the special features of atomic structure of Si24 and MeSi24 (Me = Na or K) nanoparticles on their electron properties. Russian Physics Journal, 2006, 49, 170-176. | 0.2 | 1 |
| 29 | Theoretical photoelectronic spectra of molybdenum, tungsten, and rhenium disilicides. Russian Physics Journal, 2006, 49, 766-771. | 0.2 | 0 |
| 30 | Electronic Structure and Spectral Properties of Si[sub 46] and Na[sub 8]Si[sub 46] Clathrates. Semiconductors, 2005, 39, 1176. | 0.2 | 10 |
| 31 | Geometric structure and spectral characteristics of electronic states in silicon nanoparticles. Semiconductors, 2004, 38, 560-564. | 0.2 | 1 |
| 32 | Fermi surface and electrical characteristics of molybdenum disilicide. Physics of the Solid State, 2003, 45, 201-206. | 0.2 | 4 |
| 33 | Electronic structure of rhenium disilicides. Journal of Physics Condensed Matter, 2002, 14, 6833-6839. | 0.7 | 11 |
| 34 | Electronic structure of FeSi2. Physics of the Solid State, 2002, 44, 704-708. | 0.2 | 7 |
| 35 | Theoretical photoemission and X-ray emission spectra of nickel and cobalt disilicide films. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 549-554. | 0.8 | 1 |
| 36 | Electronic structure of cobalt disilicide film. Physics of the Solid State, 2000, 42, 1542-1547. | 0.2 | 3 |

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|---|---|---|---|
| 37 | Electronic structure and spectral properties of nickel disilicide films. Physics of the Solid State, 1999, 41, 1906-1910. | 0.2 | 1 |
| 38 | Density-functional calculations of static and dynamic polarizabilities of thready cylindrical crystals. Surface Science, 1999, 421, 237-245. | 0.8 | 2 |
| 39 | Electronic structure and spectral characteristics of Bi-Sr-Ca-Cu-O films. Journal of Structural Chemistry, 1998, 39, 876-883. | 0.3 | 0 |
| 40 | Photoelectron spectra of thin films of the high-T c superconductor YBa2Cu3O7â˜Î´. Physics of the Solid State, 1997, 39, 378-380. | 0.2 | 0 |
| 41 | Calculated Spectral Properties of YBa2Cu3O7?? Thin Films. Physica Status Solidi (B): Basic Research, 1997, 201, 417-428. | 0.7 | 2 |
| 42 | Electronic structure and chemical bonding of superconductor YBa2Cu3O7â˜'x. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 715-718. | 0.8 | 6 |
| 43 | Theoretical Xâ€ray Emission Study of Highâ€‹T<sub>c</sub> Superconductor YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> Thin Films. Physica Status Solidi (B): Basic Research, 1994, 185, 179-187. | 0.7 | 4 |
| 44 | Nonâ€Relativistic and Scalarâ€Relativistic LAPW Electronic Energy Bands of (001) Cu Films. Physica Status Solidi (B): Basic Research, 1990, 161, 697-703. | 0.7 | 2 |
| 45 | Integration over the Twoâ€Dimensional Brillouin Zone. Physica Status Solidi (B): Basic Research, 1985, 129, 293-299. | 0.7 | 16 |
| 46 | Problems of the OPW Method III. Rare Earths. Physica Status Solidi (B): Basic Research, 1981, 106, 437-445. | 0.7 | 5 |
| 47 | Problems of the OPW Method. II. Calculation of the Band Structure of ZnS and CdS. Physica Status Solidi (B): Basic Research, 1980, 97, 631-640. | 0.7 | 18 |
| 48 | Problems of the OPW method. I. Transition metals. Physica Status Solidi (B): Basic Research, 1979, 94, 51-62. | 0.7 | 8 |