Curriculum vitae

Personal data	***Aleksejs Gopejenko***	
	19.10.1983	
	Latvian	
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Education	*10.2017 – today*	PhD student, University of Latvia, physics.
	09.2005 - 06.2007	Master degree, University of Latvia, physics, diploma MD C Nr. 2973
	09.2001 – 07.2005	Professional higher, Information System Management Institute (ISMA), information systems, qualification – system analytic, diploma PD A Nr. 0466.
	09.1990 – 06.2001	Riga secondary school №40
Additional education	*01.09.2008 –12.09.2008*	*2. Karlsruhe international summer school on fusion technologies*
	10.2004 – 02.2005	*Education in the University of Osnabrück, faculty of physics*
Work experience	*11.2013 – today*	researcher (Institute of Solid State Physics)
	11.2007 – 11.2013	assistant (Institute of Solid State Physics)
	05.2007 – 10.2007	engineer (Institute of Solid State Physics)
	09.2002 – 10.2005	engineer (A/S Izglītības nams)
Scientific works	***3 researches,*** 9 scientific publications	
	Research projects	*Yttrium oxide precipitates theoretical modelling in iron in support of oxide dispersed strengthened steels formation* *Lead zirconate titanate atomic and electronic structure ab initio calculations* *Lead zirconate atomic and electronic structure ab initio calculations*

Publications

A. Gopejenko**,** S. Piskunov**,** and Yu.F. Zhukovskii**.** Ab initio modelling of the effects of varying Zr (Ti) concentrations on the atomic and electronic properties of stoichiometric PZT solid solutions. *Comput. Theor. Chem.*, 2017, **1104**, p. 56-60

A. Gopejenko, Yu.F. Zhukovskii, E.A. Kotomin, Yu.A. Mastrikov, P.V. Vladimirov, V.A. Borodin, and A. Möslang, *Ab initio* modelling of Y–O cluster formation in *fcc*-Fe lattice. - *Phys. Stat. Sol. B*, 2016, **253**, p. 2136-2143.

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E.A. Kotomin, S. Piskunov, Yu.F. Zhukovskii, R.I. Eglitis, A. Gopejenko, and D.E. Ellis, The electronic properties of an oxygen vacancy at ZrO_2-terminated (001) surfaces of cubic $PbZrO_3$: Computer simulations from the first principles. - *Phys. Chem. & Chem. Phys*, 2008, **10**, 4258-4263.

S. Piskunov, A. Gopeyenko, E.A. Kotomin, Yu.F. Zhukovskii, D.E. Ellis, Atomic and electronic structure of perfect and defective $PbZrO_3$ perovskite: hybrid DFT calculations of cubic and orthorhombic phases, *Comput. Mater. Sci.*, 2007, **41**, p. 195-201.

A. Gopeyenko, S. Piskunov, and Yu.N. Shunin, The atomic and electronic structure of pure and defective $PbZrO_3$, *Computer Modelling and New Technologies (Latvia)*, 2006, 10(4), p. 7-16.

Yu.N. Shunin, A.V. Gopejenko, Phase-shift functions method for nanoclusters electronic structure calculations in solids, *Computer Modelling and New Technologies (Latvia)*, 2006, 10(4), p. 15-31.

Place, date

Signature