

## CURRICULUM VITAE



### Personal information

Family name:	Legenka ( <i>Family name used in publications: Lyogenkaya</i> )
Given name:	Anastasiya
Date of birth:	17 July 1987
Place of birth:	Velikaia Novoselkovka, Ukraine
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Hirsch factor (h-index)	3

### Scientific degree

Feb 2018 ILTPE, Kharkiv, Ukraine	<b>Dr.rer.nat.</b> - Ph.D. degree in physics and mathematics Ph.D. thesis: “ <i>Manifestations of the features of the electronic structure in the magnetic and superconducting properties of layered compounds of transition metals with metalloids.</i> ”
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### Education

Nov 2009 – Oct 2012	Ph.D. student ( <i>certificate summa cum laude</i> )	ILTPE - B.Verkin Institute for Low Temperature Physics & Engineering, Kharkiv, Ukraine
Sep 2008 – Jul 2009	<b>Magister</b> , Physics ( <i>diploma summa cum laude</i> )	V. N. Karazin Kharkiv National University, Kharkiv, Ukraine
Sep 2004 – Jul 2008	<b>Bachelor</b> , Physics ( <i>diploma summa cum laude</i> )	V. N. Karazin Kharkiv National University, Kharkiv, Ukraine

### Academic career

Jan 2019 – present	Research Scientist	ILTPE, Kharkiv, Ukraine
Nov 2012 – Dec 2018	Junior Research Scientist	ILTPE, Kharkiv, Ukraine

### Awards & Scholarships

Mar 2018	Scholarship: <b>President of Ukraine</b> for young scientists <i>Committee of the State prizes of Ukraine in science and technology, Kyiv, Ukraine</i>
Mar 2015	Scholarship: <b>National Academy of Sciences of Ukraine</b> for young scientists <i>Presidium of the National Academy of Sciences of Ukraine, Kyiv, Ukraine</i>

### Skills & Activities

Languages	English, Ukrainian (native), Russian (native)
Personal qualities	Responsibility, Ability to work independently

## Research experience

Jan 2017 – Dec 2021	Functional properties of the newest superconducting compounds and metal-containing spins and charge-ordered structures	ILTPE, Kharkiv, Ukraine
Nov 2016 – Dec 2017	Spin transitions and colossal magnetoresistance in cobaltites	ILTPE, Kharkiv, Ukraine
Jan 2014 – Dec 2015	Investigation of new magnetic and magnetoelectric phenomena in single-crystal oxide magnets with competing interactions	ILTPE, Kharkiv, Ukraine
Jan 2012 – Apr 2015	Spectroscopic, transport, magnetic and elastic properties of new low-dimensional structures and superconducting compounds	ILTPE, Kharkiv, Ukraine

## Publication Highlights (total published papers – 38: articles\* – 13, conference papers – 25)

<ol style="list-style-type: none"><li>1. Panfilov A.S., Grechnev G.E., <b>Lyogenkaya A.A.</b>, et al / <i>Magnetic properties of <math>R\text{CoO}_3</math> cobaltites (<math>R=\text{La, Pr, Nd, Sm, Eu}</math>). Effects of hydrostatic and chemical pressure // Physica B: Condensed Matter - Vol. 553. - pp. 80-87 (2019).</i></li><li>2. Zhuravleva I.P., Grechnev G.E., Panfilov A.S., <b>Lyogenkaya A.A.</b> / <i>Magnetovolume effect in the exchange-enhanced itinerant paramagnet <math>\text{YCo}_2</math>: Theory and experiment // Low Temperature Physics. - Vol. 43. №. 5. - pp. 597-602 (2017).</i></li><li>3. Logosha, A.V., Grechnev G.E., <b>Lyogenkaya A.A.</b>, et al. / <i>Features of the electronic structure of the layered superconductors <math>\text{RNi}_2\text{B}_2\text{C}</math>, <math>\text{RFe}_4\text{Al}_8</math>, and <math>\text{FeSe}</math> // Low Temperature Physics. - Vol. 40. №. 4. - pp. 311-319 (2014).</i></li><li>4. Grechnev G.E., Panfilov A.S., Fedorchenko A.V., <b>Lyogenkaya A.A.</b>, et al. / <i>Anisotropy of magnetic properties of <math>\text{Fe}_{1+y}\text{Te}</math> // J. Phys.: Cond. Mat. - Vol.26, №43. - pp. 436003-1 - 436003-7 (2014).</i></li><li>5. Grechnev G.E., <b>Lyogenkaya A.A.</b>, et al. / <i>Electronic structure and magnetic properties of graphite intercalated with 3d-metals // Low Temperature Physics. - Vol. 40. №. 5 - pp. 450-454 (2014).</i></li></ol>
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\*All published articles can be found at <https://www.scopus.com/authid/detail.uri?authorId=56150103700>