

Aleksey Anatolievich Zakharenko

<https://publons.com/researcher/I-4128-2019/>

Web of Science ResearcherID: I-4128-2019

Current affiliation:

- International Institute of Zakharenko Waves (IIZWs) from 2002 until present

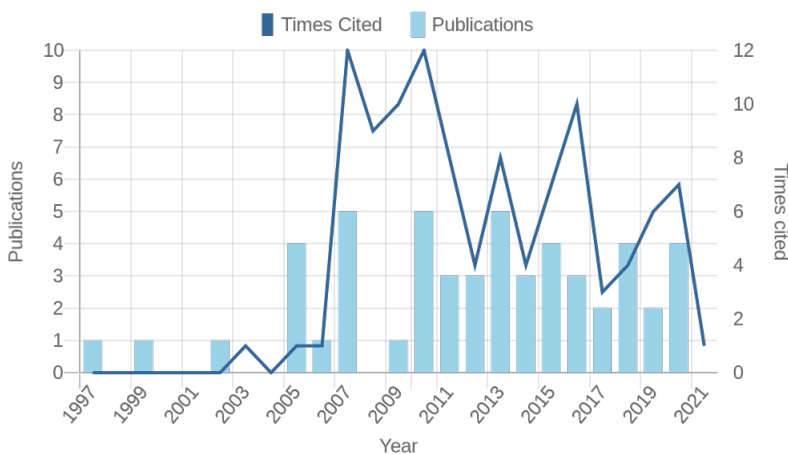
Publications

PUBLICATION METRICS

For all time

CITATIONS	H-INDEX	PUBLICATIONS	WEB OF SCIENCE PUBLICATIONS
108	5	52	19

PUBLICATION IMPACT OVER TIME



PUBLISHING SUMMARY

(14) Canadian Journal of Pure and Applied Scienc...	(5) Open Journal of Acoustics
(4) Pramana - Journal of Physics WOS	(4) Waves in Random and Complex Media WOS
(2) Journal of Electromagnetic Analysis and Appli...	(2) Journal of Zhejiang University SCIENCE... WOS
(2) Nondestructive Testing and Evaluation WOS	(2) Hadronic Journal
(1) Journal of Chemical Theory and Comp... WOS	(1) ISRN Applied Mathematics

(1) Journal of Sound and Vibration	WOS	(1) Acta Acustica United with Acustica	
(1) Meccanica	WOS	(1) Journal of King Saud University - Scien...	WOS
(1) International Journal of Modern Physic...	WOS	(1) Journal of Low Temperature Physics	WOS
(1) Forum Acusticum Budapest 2005: European C...		(1) ArXiv	
(1) Conference Proceedings of the International C...		(1) Journal of Modern Physics	
(1) Computational Technologies		(1) Vestnik KSTU: Collected Scientific Articles of P...	
(1) Acoustics		(1) Algebras, Groups, and Geometries	
(1) The Papers of Independent Authors			

MANUSCRIPTS PUBLISHED (52)

**TIMES CITED
(ALL TIME)**

Relative material parameters αE , αH , ϑG , ϑF , ξE , ξF , βH , βG , ζE , ζG , λH , and λF for magnetoelastoelectrics to model acoustic wave propagation incorporating gravitational phenomena

Published: 2020 in Hadronic Journal
DOI: 10.5281/ZENODO.3987732

DEVELOPMENT OF INTERACTIVE SOFTWARE FOR SIMULATION OF MATERIAL AND WAVE PROPERTIES OF PIEZOELECTROMAGNETICS INCORPORATING GRAVITATIONAL PHENOMENA

Published: 2020 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.3921977

On evaluations of fast speeds of propagation of gravitational phenomena: A review

Published: 2020 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.3688779

Four independent eigenvectors and their properties for the problem of four-potential acoustic SH-wave propagation incorporating gravitational phenomena

Published: 2020 in Algebras, Groups, and Geometries
DOI: 10.5281/ZENODO.3600504

On Discovery of the Twelfth and Thirteenth New Nondispersive SH-SAWs in 6 mm Magnetoelastoelectrics

Published: Sep 2019 in Acoustics
DOI: 10.3390/ACOUSTICS1040044

Taking into account the gravitational effects for the waves' propagation in continuous media such as a solid and a vacuum

Published: 2019 in The Papers of Independent Authors
DOI: 10.5281/ZENODO.2574555

On separation of exchange terms for four-potential acoustic SH-wave case with dependence on gravitational parameters

Published: Oct 2018 in Hadronic Journal
DOI: 10.5281/ZENODO.2842082

Extra two new piezoelectromagnetic SH-SAWs with dramatic dependence on small electromagnetic constant

Published: Oct 2018 in Journal of King Saud University - Science
DOI: 10.1016/J.JKSUS.2017.05.005

0

On necessity of development of instant interplanetary telecommunication based on some gravitational phenomena for remote medical diagnostics and treatment

Published: Jun 2018 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.1301289

On Existence Of New Dispersive Four-Potential Sh-Waves In 6 Mm Plates For New Communication Era Based On Gravitational Phenomena

Published: 2018 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.1471100

On new interfacial four-potential acoustic SH-wave in dissimilar media pertaining to transversely isotropic class 6 mm

Published: Oct 2017 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.1301215

The problem of finding of eigenvectors for 4P-SH-SAW propagation in 6 mm media

Published: Feb 2017 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.1301202

On piezogravitocogravitoelectromagnetic shear-horizontal acoustic waves

Published: Oct 2016 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.1301184

On Discovery Of Extra Four New Dispersive Sh-Waves In Magnetoelastoelectroelastic Plates

Published: 2016 in ArXiv
DOI: 10.5281/ZENODO.1301164

On separation of exchange term from the coefficient of the magnetoelastomechanical coupling

Published: 2016 in Pramana - Journal of Physics
DOI: 10.1007/S12043-015-1171-9

0

On existence of eight new interfacial SH-waves in dissimilar piezoelectromagnetics of class 6 mm

Published: Jun 2015 in Meccanica
DOI: 10.1007/S11012-015-0210-4

1

Dramatic Influence of the Magnetolectric Effect on the Existence of the New SH-SAWs Propagating in Magnetoelctroelastic Composites

Published: 2015 in Open Journal of Acoustics

DOI: 10.4236/OJA.2015.53007

On New Dispersive SH-Waves Propagating in Piezoelectromagnetic Plate

Published: 2015 in Open Journal of Acoustics

DOI: 10.4236/OJA.2015.53011

A Study of New Nondispersive SH-SAWs in Magnetoelctroelastic Medium of Symmetry Class 6 mm

Published: 2015 in Open Journal of Acoustics

DOI: 10.4236/OJA.2015.53009

An examination of zero-order modes of plate PEM-SH dispersive acoustic waves: Magnetically open and electrically closed plate sides

Published: Oct 2014 in Canadian Journal of Pure and Applied Sciences

DOI: 10.5281/ZENODO.1301066

Some problems of finding of eigenvalues and eigenvectors for SH-wave propagation in transversely isotropic piezoelectromagnetics

Published: Feb 2014 in Canadian Journal of Pure and Applied Sciences

DOI: 10.5281/ZENODO.1300213

Investigation of SH-Wave Fundamental Modes in Piezoelectromagnetic Plate: Electrically Closed and Magnetically Closed Boundary Conditions

Published: 2014 in Open Journal of Acoustics

DOI: 10.4236/OJA.2014.42009

Consideration of SH-wave fundamental modes in piezoelectromagnetic plate: electrically open and magnetically open boundary conditions

2

Published: Nov 2013 in Waves in Random and Complex Media

DOI: 10.1080/17455030.2013.834396

New nondispersive SH-SAWs guided by the surface of piezoelectromagnetics

Published: Oct 2013 in Canadian Journal of Pure and Applied Sciences

DOI: 10.5281/ZENODO.1300994

Peculiarities study of acoustic waves' propagation in piezoelectromagnetic (composite) materials

Published: Jun 2013 in Canadian Journal of Pure and Applied Sciences

DOI: 10.5281/ZENODO.1300926

Piezoelectromagnetic SH-SAWs: A review

Published: Feb 2013 in Canadian Journal of Pure and Applied Sciences

DOI: 10.5281/ZENODO.1300699

-
- Fundamental modes of new dispersive SH-waves in piezoelectromagnetic plate 2
Published: 2013 in Pramana - Journal of Physics
DOI: 10.1007/S12043-013-0609-1
-
- A study of SH-SAW propagation in cubic piezomagnetism for utilization in smart materials 1
Published: Nov 2012 in Waves in Random and Complex Media
DOI: 10.1080/17455030.2012.727042
-
- On wave characteristics of piezoelectromagnetics 5
Published: 2012 in Pramana - Journal of Physics
DOI: 10.1007/S12043-012-0308-3
-
- On Propagation Problems of New Surface Wave in Cubic Piezoelectromagnetics
Published: 2012 in Open Journal of Acoustics
DOI: 10.4236/OJA.2012.23012
-
- Structures, Energetics, and IR Spectra of Monohydrated Inorganic Acids: Ab initio and DFT Study 14
Published: Oct 2011 in Journal of Chemical Theory and Computation
DOI: 10.1021/CT100428Z
-
- Phase and group velocities of the surface elementary excitations on the superfluid helium-II surface at low temperatures
Published: Oct 2011 in Canadian Journal of Pure and Applied Sciences
DOI: 10.5281/ZENODO.1300365
-
- Analytical Investigation of Surface Wave Characteristics of Piezoelectromagnetics of Class 6 mm
Published: 2011 in ISRN Applied Mathematics
DOI: 10.5402/2011/408529
-
- Evidence of scattering of bulk elementary excitations in isotopically pure liquid helium-II at low temperatures 0
Published: Aug 2010 in Waves in Random and Complex Media
DOI: 10.1080/17455030903536572
-
- SLOW ACOUSTIC WAVES WITH THE ANTI-PLANE POLARIZATION IN LAYERED SYSTEMS 1
Published: Feb 2010 in International Journal of Modern Physics B
DOI: 10.1142/S0217979210054774
-
- First Evidence of Surface SH-Wave Propagation in Cubic Piezomagnetism
Published: 2010 in Journal of Electromagnetic Analysis and Applications
DOI: 10.4236/JEMAA.2010.25037
-

New Interfacial Shear-Horizontal Waves in Piezoelectric Cubic Crystals

Published: 2010 in Journal of Electromagnetic Analysis and Applications

DOI: 10.4236/JEMAA.2010.211083

Studying Magnetization Distribution in Magnetic Thin Films under Transversal Application of Magnetic Fields

Published: 2010 in Journal of Modern Physics

DOI: 10.4236/JMP.2010.11004

Acoustic waves with the in-plane polarization in piezoelectric cubic structures

Published: Feb 2009 in Canadian Journal of Pure and Applied Sciences

DOI: 10.5281/ZENODO.1300342

Creation of bulk elementary excitations in superfluid helium-II by helium atomic beams at low temperatures 3

Published: Jun 2007 in Waves in Random and Complex Media

DOI: 10.1080/17455030601178164

Studying creation of bulk elementary excitaiton by heaters in superfluid helium-II at low temperatures 2

Published: Jun 2007 in Journal of Zhejiang University SCIENCE A

DOI: 10.1631/JZUS.2007.A1065

New solutions of shear waves in piezoelectric cubic crystals 3

Published: Apr 2007 in Journal of Zhejiang University SCIENCE A

DOI: 10.1631/JZUS.2007.A0669

Creation evidence of the second non-dispersive Zakharenko wave by helium atomic beams in super fluid helium-II at low temperatures 1

Published: 2007 in Pramana - Journal of Physics

DOI: 10.1007/S12043-007-0160-Z

Different Zakharenko waves in layered and quantum systems

Published: 2007 in Conference Proceedings of the International Commission for Acoustics (ICA2007 Congress, Madrid, Spain)

DOI: 10.13140/2.1.3607.6483

On cubic crystal anisotropy for waves with Rayleigh-wave polarization 4

Published: Jun 2006 in Nondestructive Testing and Evaluation

DOI: 10.1080/10589750600779704

Analytical studying the group velocity of three-partial Love (type) waves in both isotropic and anisotropic media 18

Published: Dec 2005 in Nondestructive Testing and Evaluation

DOI: 10.1080/17417530500513665

Love-type waves in layered systems consisting of two cubic piezoelectric crystals 35

Published: Aug 2005 in Journal of Sound and Vibration

DOI: 10.1016/J.JSV.2004.08.044

Dispersive Rayleigh type waves in layered systems consisting of piezoelectric crystals bismuth silicate and bismuth germanate

12

Published: 2005 in Acta Acustica United with Acustica
DOI: 10.5281/ZENODO.1300323

Different dispersive waves of bulk elementary excitations in bulk superfluid helium-II at low temperatures

Published: 2005 in Forum Acusticum Budapest 2005: European Congress on Acoustics
DOI: 10.13140/2.1.3869.7923

Narrow-angle beams of strongly interacting phonons

4

Published: 2002 in Journal of Low Temperature Physics
DOI: 10.1023/A:1013727403790

Dynamic Instability In The Non-Linear Cantilever Problem

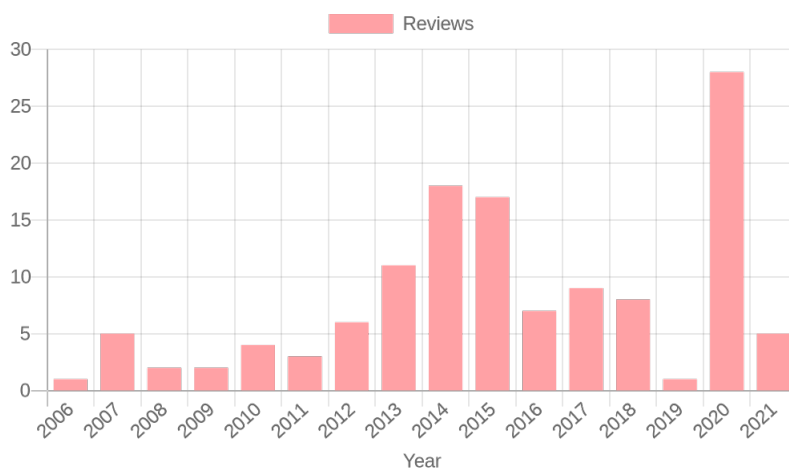
Published: 1999 in Computational Technologies
DOI: 10.5281/ZENODO.1300261

Dynamic thresholds of stability loss in the non-linear cantilever problem

Published: Jul 1997 in Vestnik KSTU: Collected Scientific Articles of Postgraduate and Undergraduate Students, KSTU Publishers, Krasnoyarsk, Russia
DOI: 10.5281/ZENODO.1300228

Verified reviews

REVIEW SUMMARY



REVIEWER SUMMARY

(34) Open Journal of Acoustics	(9) Sensors WOS
(9) Journal of Sound and Vibration WOS	(6) Journal of Modern Physics
(6) Journal of Basic and Applied Physics	(5) Materials WOS
(4) Physical Science International Journal	(3) Journal of Applied Mathematics and Physics
(3) Applied Sciences WOS	(3) Electronics WOS
(3) Meccanica WOS	(3) British Journal of Mathematics & Computer Sc...

(3) Waves in Random and Complex Media	WOS	(3) Canadian Journal of Pure and Applied Sciences	
(3) IEEE Transactions on Ultrasonics, Ferro...	WOS	(3) Journal of Electromagnetic Analysis and Appli...	
(2) Applied Mathematical Modelling	WOS	(2) Symmetry	WOS
(2) Acoustics		(2) International Journal of Solids and Stru...	WOS
(2) Journal of Microelectromechanical Sys...	WOS	(2) Journal of Vibration and Control	WOS
(1) The Journal of the Acoustical Society o...	WOS	(1) International Conference on Computer Scienc...	
(1) International Conference on Mechanical, Electr...		(1) Journal of Physics D: Applied Physics	WOS
(1) British Journal of Applied Science & Technology		(1) Mechanics Research Communications	WOS
(1) ZAMM - Journal of Applied Mathematic...	WOS	(1) Current Smart Materials	
(1) Journal of Applied Physical Science Internatio...		(1) Acta Mechanica	WOS
(1) Engineering Science and Technology, a...	WOS	(1) Acta Acustica United with Acustica	
(1) Journal of Scientific Research and Reports		(1) Physical Review & Research International	
(1) Journal of Applied Physics	WOS		

Editor records

EDITOR SUMMARY

(16) Physical Science International Journal
