CURRICULUM VITAE

Olikh Oleg Yaroslavovych

date of birth*5 June 1974
citizenship* Ukraine

Contact information*	***64/13, Volodymyrska Street, Kyiv, 01033*** ***0445213363*** ***olegolikh@knu.ua*** ***https://gen.phys.univ.kiev.ua/280-olikh/***
Personal profiles in scientometric databases*	***https://orcid.org/0000-0003-0633-5429*** ***https://www.scopus.com/authid/detail.uri?authorId=6506623724*** ***https://publons.com/researcher/4762206/oleg-olikh/*** ***https://scholar.google.com.ua/citations?user=9M07CQ0AAAAJ&hl=ua***
Education*	***Taras Shevchenko Kyiv University, Faculty of Physics, 1991-1996, Solid State Physics, ЛТ BEN№001760***
Degree*	***doctor of physical and mathematical sciences, solid state physics, 18.12.2018, Taras Shevchenko National University of Kyiv, ДД №008094***
Academic status*	***professor of the General Physics Department, 23.12.2022, АП №004651***
Professional work experience* *(for the last 10 years)*	***01.07.2021 – present, professor at the general physics department, physics faculty, Taras Shevchenko National University of Kyiv, Kyiv (Ukraine)*** ***25.11.2002 – 30.06.2021, associate professor at the general physics department, physics faculty, Taras Shevchenko National University of Kyiv, Kyiv (Ukraine)***

Main research activity	
Management of collective research projects (which received funding on a competitive basis from outside the main place of work) *(no more than 5 positions in the last 10 years)*	***Development of physical principles of acoustically controlled modification and machine-oriented characterization of silicon solar cells", Taras Shevchenko Kyiv National University, 2020-2021, 4, grant of the National Research Foundation of Ukraine (registration number 2020.02/0036)***
Participation in collective research projects *(no more than 5 positions in the last 10 years)*	
Individual research projects (which received funding on a competitive basis from a third party) *(no more than 5 positions in the last 10 years)*	
Main scientific achievements	
Published scientific works* *(no more than 10 positions in the last 10 years)*	*Olikh O., Lozitsky O., Zavhorodnii O. «Estimation for iron contamination in Si solar cell by ideality factor: Deep neural network approach», Progress in Photovoltaics: Research and Applications, 2022, vol.30, is.6, p. 648-660; https://doi.org/10.1002/pip.3539* *Q1* *Olikh O., Lytvyn P. «Defect engineering using microwave processing in SiC and GaAs», Semiconductor Science and Technology, 2022, vol.37, is.7, 075006,* *https://doi.org/10.1088/1361-6641/ac6f17* *Q2* *Olikh O., Kostylyov V., Vlasiuk V., Korkishko R., Chupryna R. «Intensification of iron–boron complex association in silicon solar cells under acoustic wave action», Journal of Materials Science: Materials in Electronics, 2022, vol.33, is.13, P. 13133-13142,* *https://doi.org/10.1007/s10854-022-08252-3* *Q2* *Olikh O., Kostylyov V., Vlasiuk V., Korkishko R., Olikh Ya., Chupryna R. «Features of FeB pair light-induced dissociation*

	and repair in silicon n+-p-p+ structures under ultrasound loading», Journal of Applied Physics, 2021, vol.130, is.23, 235703; *https://doi.org/10.1063/5.0073135* *Q2* *Gorb A.M., Korotchenkov O.A., Olikh O.Ya., Podolian A.O., Chupryna R.G. «Influence of γ-irradiation and ultrasound treatment on current mechanism in Au-SiO2-Si structure», Solid State Electronics, 2020, vol.165, 107712;* *https://doi.org/10.1016/j.sse.2019.107712* *Q2* *Olikh O.Ya. «Relationship between the ideality factor and the iron concentration in silicon solar cells», Superlattices and Microstructures, 2019, vol.136, 106309;* *https://doi.org/10.1016/j.spmi.2019.106309* *Q2* *Olikh O.Ya. «Acoustically driven degradation in single crystalline silicon solar cell», Superlattices and Microstructures, 2018, vol.117, p. 173-188;* *https://doi.org/10.1016/j.spmi.2018.03.027* *Q2* *Olikh O.Ya., Voytenko K.V. «On the mechanism of ultrasonic loading effect in silicon-based Schottky diodes», Ultrasonics, 2016, vol.66, p. 1-3;* *https://doi.org/10.1016/j.ultras.2015.12.001* *Q1* *Olikh O.Ya. «Review and test of methods for determination of the Schottky diode parameters», Journal of Applied Physics, 2015, vol.118, is.2, 024502;* *https://doi.org/10.1063/1.4926420* *Q2* *Olikh O.Ya. «Reversible influence of ultrasound on γ-irradiated Mo/n-Si Schottky barrier structure», Ultrasonics, 2015, vol.56, p. 545-550;* *https://doi.org/10.1016/j.ultras.2014.10.008* *Q1*
Other significant scientific achievements ***(no more than 5 positions in the last 10 years)***	
Teaching activity	

The main author's educational courses at Higher Education Institutions (developed on the basis of own research) ***(no more than 5 positions in the last 10 years)***	
The main author's methodical developments (textbooks, manuals, methodical materials, educational programs for higher education) ***(no more than 5 positions in the last 10 years)***	***Olikh O.Ya. "Defect research methods", Vinnytsia: "Nilan-LTD" LLC, 2020, 60 p. ISBN 978-966-924-841-1 https://gen.phys.univ.kiev.ua/wp-content/uploads/2022/09/Metodi-doslidzhennya-defektiv-A5.pdf*** ***Olikh O.Ya. "Defects in semiconductor and dielectric crystals", Vinnytsia: FOP Korzun D.Yu., 2015, 152 p. https://gen.phys.univ.kiev.ua/wp-content/uploads/2022/09/Olih-Defekti-A5.pdf*** ***Olikh O.Ya. "Modern computer technologies. Principles of building computer networks", Kyiv: VOC "Kyiv University", 2015, 479 p. ISBN 978-966-439-740-4 https://gen.phys.univ.kiev.ua/wp-content/uploads/2022/09/Fz5_Olikh_s-ISBN-190815.pdf*** ***Borovy M.O., Olikh O.Ya., Tsaregradska T.L., Ovsienko I.V., Podolyan A.O., Kozachenko V.V. "General physics for chemists. Tasks collection. Part 3. Optics, elements of quantum mechanics, atomic and nuclear physics", Vinnytsia: "TVORY", 2022, 188 p. ISBN 978-617-552-055-0 https://gen.phys.univ.kiev.ua/wp-content/uploads/2022/10/Opt_Qm_At_Yad_2022_02_____22.pdf*** ***Borovy M.O., Olikh O.Ya., Ovsienko I.V., Tsaregradska T.L., Kozachenko V.V., Podolyan A.O., Isaev M.V., Dubyk K.V. "General physics for chemists. Tasks collection. Part 2. Electricity and magnetism", Vinnytsia: LLC "CREATIONS", 2019, 164 p. ISBN 978-966-949-195-4 https://gen.phys.univ.kiev.ua/wp-content/uploads/2020/11/ElecMagFinal.pdf***
Supervision of scientific works (scientific supervision or consulting of dissertation studies that have been successfully defended)	

(no more than 5 positions in the last 10 years)	
Expert activity	
Membership in specialized academic councils for dissertation defense *(no more than 5 positions in the last 10 years)*	***D 26.001 .23*** ***01.04.05 "Optics, laser physics",*** ***01.04.07 "Solid State Physics"*** ***Shevchenko National University of Kyiv*** ***06/20/2023 - 06/20/2026*** ***https://scc.knu.ua/storinka-spetsializovanoi-vchenoi-rady?id=3887***
Participation in expert councils (supervisory, advisory, expert or other councils of scientific, educational or research institutions, enterprises, cultural institutions, scientific publishing houses outside the main place of work) *(no more than 5 positions in the last 10 years)*	
Participation in calls commissions (jury) (all-Ukrainian or international calls, Olympiads, tournaments of research projects, scientific papers, etc.) *(no more than 5 positions in the last 10 years)*	
Scientific and expert activities for authorities (scientific and expert conclusions, comments, conclusions, etc. made at the request or order of authorities and self-	

government bodies, state structures, institutions, etc.) ***(no more than 5 positions in the last 10 years)***	
Scientific review of publications and projects* (number of anonymous reviews of manuscripts of scientific works submitted for publication in international scientific journals over the past 5 years; author reviews of scientific publications published in specialized periodicals) ***(no more than 5 positions in the last 5 years)***	***scientific paper review:*** ***modeling of semiconductor systems (Physica B: Condensed Matter, 2023); influence of defects on the electrophysical properties of silicon structures (Radiation Physics and Chemistry, 2018; Jacobs Journal of Materials Science, 2017); characterization of semiconductor barrier structures by current-voltage characteristics (Journal of Applied Physics, 2017; Solid-State Electronics, 2017; Physica B: Condensed Matter, 2016, 2023 Ukrainian Journal of Physics 2023), ultrasonic non-destructive testing (Ultrasonics, 2017);*** ***reviewing the report on the implementation of completed scientific and technical work on the development of functional electronics devices (2019)***
Honors and awards	
Honorary titles and statuses (honored worker of science and technology, academician, doctor honoris causa, etc.)	
Laureate of a prize (awards, honors) of the international or national level, awarded on a competitive basis ***(no more than 5 positions in the last 10 years)***	***I. Puluj Prize of the National Academy of Sciences of Ukraine for the implementation of controlled acoustic field influence on processes of defect reordering in semiconductors and surface barrier structures***
Awards or honors for scientific achievements (from institutions, departments, authorities and local self-government bodies, etc.)	

(no more than 5 positions in the last 10 years)	
Improvement of scientific qualification	
Membership in independent scientific organizations (non-institutional professional academic associations, societies, unions, unions of researchers, except trade unions) *(no more than 5 positions in the last 10 years)*	***member of the Ukrainian Physical Society***
Additional information on other important scientific achievements, qualifications, competences, or types of scientific activity that are significant for the implementation of the submitted research/development project *(no more than 5 positions in the last 10 years)*	
Foreign languages skills*	***English, B2, the presence of more than 10 articles published in English in periodicals that are included in the Scopus scientometric database and are not translations from other languages***

КОНКУРС
«ПІДТРИМКА ДОСЛІДЖЕНЬ ПРОВІДНИХ ТА МОЛОДИХ УЧЕНИХ»

НАЦІОНАЛЬНИЙ ФОНД ДОСЛІДЖЕНЬ УКРАЇНИ

СЕРТИФІКАТ № 02/087

Цей сертифікат засвідчує, що проєкт

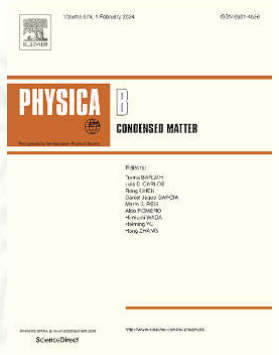
2020.02/0036
Розробка фізичних засад акусто-керованої модифікації та машинно-орієнтованої характеризації кремнієвих сонячних елементів

Науковий керівник: ОЛІХ ОЛЕГ ЯРОСЛАВОВИЧ
Установа: Київський національний університет імені Тараса Шевченка

є переможцем конкурсу із виконання наукових досліджень і розробок «Підтримка досліджень провідних та молодих учених» у 2020 році

ЛЕОНІД ЯЦЕНКО
Голова Фонду

ОЛЬГА ПОЛОЦЬКА
Виконавча директорка Фонду



Physica B: Condensed Matter

Certificate of Reviewing

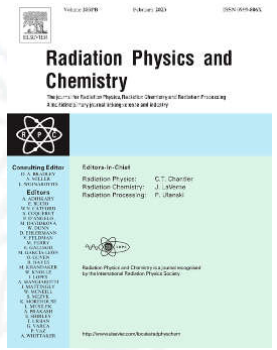
Awarded for 8 reviews between May 2016 and November 2023
presented to

OLEG OLIKH

in recognition of the review contributed to the journal

The Editors of Physica B: Condensed Matter

Elsevier Reviewer RECOGNITION



Radiation Physics and Chemistry

Certificate of Reviewing

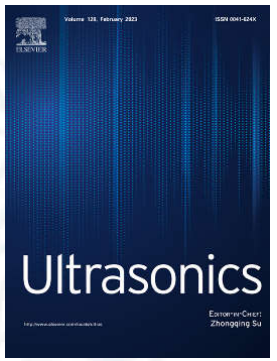
Awarded for 1 review in July 2018
presented to

OLEG OLIKH

in recognition of the review contributed to the journal

The Editors of Radiation Physics and Chemistry

Elsevier Reviewer RECOGNITION



Ultrasonics

Certificate of Reviewing

Awarded for 2 reviews between May 2017 and July 2017
presented to

OLEG OLIKH

in recognition of the review contributed to the journal

The Editors of Ultrasonics

ДИПЛОМ

ПРЕЗИДІЯ НАЦІОНАЛЬНОЇ АКАДЕМІЇ НАУК УКРАЇНИ

На своєму засіданні 3 лютого 2021 року присудила

премію імені І.П. Пулюя

доктору фізико-математичних наук

Оліху Ярославу Михайловичу

доктору фізико-математичних наук

Оліху Олегу Ярославовичу

за реалізацію керованого впливу акустичного поля
на процеси перебудови дефектів у напівпровідниках
та поверхнево-бар'єрних структурах

Президент
Національної академії наук
України
академік НАН України
А.Г. Загородній

Головний учений секретар
Національної академії наук
України
академік НАН України
В.Л. Богданов