

Starodub Elena

**Publicații la conferințe din RM - 4. Publicații peste hotare - 11.
Publicații indexate în SCOPUS - 8. Teze/Rezumate în culegeri - 1.**

2023 - 2

Radiații ultraviolete-c utilizate în dezinfecție și protecția suprafeței implanturilor

Munteanu Ion^{1,2}, Starodub Elena²

¹ Universitatea de Stat de Medicină și Farmacie „Nicolae Testemițanu”,

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Conferința tehnico-științifică a studenților, masteranzilor și doctoranzilor

Nr. 3(44) / 2008 / ISSN 0013-5739 / ISSN_e 2345-1718

Disponibil online 9 October, 2023. Descarcări-11. Vizualizări-181

Topological Avenue for Efficient Decontamination of Large Volumes of Fluids via UVC Irradiation of Packed Metamaterials

Enaki Nicolae¹, Munteanu Ion¹, Paslari Tatiana R.¹, Țurcan Marina¹, Starodub Elena¹, Bazgan Sergiu¹, Podoleanu Diana¹, Ristoscu Carmen², Anghel Sinziana Andreea³, Badiceanu Maria^{2,3}, Mihăilescu Ion²

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Materials

Vol. 16, / 2023 / ISSN 1996-1944

Disponibil online 17 August, 2023. Descarcări-3. Vizualizări-174

2022 - 3

Improvement of ultraviolet C decontamination rate using composite quartz metamaterial

Paslari Tatiana R., Starodub Elena, Țurcan Marina, Munteanu Ion, Bazgan Sergiu, Enaki Nicolae

Institute of Applied Physics

GSC Biological and Pharmaceutical Sciences

Nr. 3(20) / 2022 / ISSN - / ISSN_e 2581-3250

Disponibil online 24 November, 2022. Descarcări-3. Vizualizări-213

The efficiency of Screw channels in metamaterials for pathogen decontamination under ultraviolet C radiation

Enaki Nicolae, Paslari Tatiana R., Bazgan Sergiu, Starodub Elena, Marin Tatiana, Țurcan Marina

Institute of Applied Physics

International Journal of Medical Science and Clinical Invention

Nr. 6(9) / 2022 / ISSN - / ISSN_e 2348-991X

Disponibil online 19 November, 2022. Descarcări-12. Vizualizări-405

UVC radiation intensity dependence of pathogen decontamination rate: semiclassical theory and experiment

Enaki Nicolae¹, Paslari Tatiana R.¹, Bazgan Sergiu¹, Starodub Elena¹, Munteanu Ion¹, Turcan Marina¹, Ereemeev Vitalie¹², Profir Aurelia¹³, Mihăilescu Ion⁴

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European Physical Journal Plus

Nr. 9(137) / 2022 / ISSN 2190-5444

Disponibil online 23 October, 2022. Descarcări-1. Vizualizări-310

2021 - 1

Cooperative UVC activation on metamaterial and Improvement of decontamination rate using the screw channels in it

Paslari Tatiana R., Turcan Marina, Bazgan Sergiu, Starodub Elena, Enaki Nicolae

Institute of Applied Physics

Optics InfoBase Conference Papers Optical Manipulation and Its Applications, OMA 2021 - Part of Biophotonics Congress: Optics in the Life Sciences 2021

Nr. 2(6) / 2011 / ISSN 1857-405X

Disponibil online 16 December, 2021. Descarcări-5. Vizualizări-405

2020 - 2

Composite metamaterials for biological decontamination of fluids

Enaki Nicolae¹, Turcan Marina¹, Bazgan Sergiu¹, Starodub Elena¹, Paslari Tatiana R.¹, Nistoreanu Andrei¹, Ristoscu Carmen², Mihăilescu Ion²

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IFMBE Proceedings. 4th International Conference on Nanotechnologies and Biomedical Engineering

Nr. 7 / 2007 / ISSN 1814-3237 / ISSN 1857-498X

Disponibil online 2 November, 2020. Descarcări-4. Vizualizări-529

Quantum reversibility in cooperative interaction of the atom system with bi-modal cavity field in Raman conversion

Starodub Elena¹², Enaki Nicolae¹²

¹ Institute of Applied Physics,

² State University „Dimitrie Cantemir”

Physica Scripta

Nr. 5(95) / 2020 / ISSN 0031-8949 / ISSN 1402-4896

Disponibil online 15 October, 2020. Descarcări-0. Vizualizări-498

2019 - 1

Quantum reversibility in cooperative interaction of the atom system with bi-modal cavity field in Raman conversion

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Physica Scripta

Nr. 5(95) / 2019 / ISSN 0031-8949 / ISSN 1402-4896

Disponibil online 4 April, 2020. Descarcări-0. Vizualizări-507

2018 - 6

Efficient biological decontamination of translucent liquids and gases using optical periodical structures

Enaki Nicolae¹, Bazgan Sergiu¹, Nistoreanu Andrei¹, Tonu Viorica¹², Ciobanu Nellu¹², Turcan Marina¹, Paslari Tatiana R.¹, Starodub Elena¹, Profir Aurelia¹, Ristoscu Carmen³, Mihăilescu Ion³

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Materials Science and Condensed Matter Physics

Nr. 4(64) / 2008 / ISSN 1810-9136

Disponibil online 8 February, 2019. Descarcări-11. Vizualizări-830

Hamiltonian of two undistinguished atoms in raman interaction with two cavity modes

Starodub Elena

Universitatea de Stat „Dimitrie Cantemir”

Tendințe contemporane ale dezvoltării științei: viziuni ale tinerilor cercetători

Nr. 3(51) / 2006 / ISSN 1813-8489

Disponibil online 12 July, 2018. Descarcări-1. Vizualizări-734

Nanoparticle based decontamination of bacteria/pathogens

Enaki Nicolae¹, Paslari Tatiana R.¹², Starodub Elena¹, Bazgan Sergiu¹, Ristoscu Carmen³, Mihăilescu Ion³, Vaseashta Ashok⁴⁵

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NATO Science for Peace and Security Series B: Physics and Biophysics

Nr. 2 / 2018 / ISSN 1874-6500

Disponibil online 10 March, 2020. Descarcări-0. Vizualizări-694

Nanoparticle based decontamination of bacteria/pathogens

Enaki Nicolae¹, Paslari Tatiana R.¹², Starodub Elena¹, Bazgan Sergiu¹, Ristoscu Carmen³, Mihăilescu Ion³, Vaseashta Ashok⁴⁵

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⁵ New Jersey City University (NJCU)

NATO Science for Peace and Security Series B: Physics and Biophysics

Nr. 1(2) / 2010 / ISSN 1857-3843

Disponibil online 23 July, 2021. Descarcări-0. Vizualizări-495

Optical metamaterials for decontamination of translucent liquids and gases

Enaki Nicolae¹, Profir Aurelia¹², Ciobanu Nelu³⁴, Bazgan Sergiu³, Nistoreanu Andrei³, Turcan Marina³, Starodub Elena³, Paslari Tatiana R.³, Ristoscu Carmen⁵, Badiceanu Maria⁵⁶, Mihăilescu Ion⁵

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Journal of Physics D: Applied Physics

Vol. 51, / 2018 / ISSN 0022-3727 / ISSN_e 1361-6463

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Optical Metamaterials for Decontamination of Translucent Liquids and Gases

Enaki Nicolae¹, Ciobanu Nicolae¹, Bazgan Sergiu¹, Nistoreanu Andrei¹, Turcan Maria¹, Starodub Elena¹, Paslari Tatiana R.², Ristoscu Carmen², Mihăilescu Ion²

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Disponibil online 18 June, 2020. Descarcări-2. Vizualizări-645

2017 - 1

Optoelectronic Effects in Modernization of Advanced Implants and Diagnostic

Enaki Nicolae¹, Profir Aurelia¹², Turcan Marina¹, Paslari Tatiana R.¹, Bazgan Sergiu¹, Nistoreanu Andrei¹, Starodub Elena¹, Ristoscu Carmen³, Mihăilescu Ion³

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Disponibil online 16 March, 2018. Descarcări-9. Vizualizări-872



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