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Name

Alexandra Targovnik

Activities

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Works (23)

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Improved Expression of SARS-CoV-2 Spike RBD Using the Insect Cell-Baculovirus System

Viruses

2022-12-15 | Journal article

DOI: [10.3390/v14122794](https://doi.org/10.3390/v14122794)

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CONTRIBUTORS: Joaquín Poodts; Ignacio Smith; Joaquín Manuel Birenbaum; María Sol Rodríguez; Luciano Montero; Federico Javier Wolman; Juan Ignacio Marfía; Silvina Noemí Valdez; Leonardo Gabriel Alonso; Alexandra Marisa Targovnik et al.

Source: Crossref ★ Preferred source (of 2)

The Membrane-Anchoring Region of the AcMNPV P74 Protein Is Expendable or Interchangeable with Homologs from Other Species

Viruses

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2021-12 | Journal article | *Author*

DOI: [10.3390/v13122416](https://doi.org/10.3390/v13122416)

CONTRIBUTORS: María Victoria Nugnes; Alexandra Targovnik; Adrià Mengual-Martí; María Victoria Miranda; Carolina Susana Cerrudo; Salva Herrero; Mariano Belaich

Source: Multidisciplinary Digital Publishing Institute ★ Preferred source (of 2)

Solutions against emerging infectious and noninfectious human diseases through the application of baculovirus technologies

Applied Microbiology and Biotechnology

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2021-11-07 | Journal article

DOI: [10.1007/s00253-021-11615-1](https://doi.org/10.1007/s00253-021-11615-1)

CONTRIBUTORS: Alexandra Marisa Targovnik; Jorge Alejandro Simonin; Gregorio Juan Mc Callum; Ignacio Smith; Franco Uriel Cuccovia Warlet; María Victoria Nugnes; María Victoria Miranda; Mariano Nicolás Belaich

Source: Crossref

Engineering of the baculovirus expression system for optimized protein production

Applied Microbiology and Biotechnology

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2019 | Journal article

DOI: [10.1007/s00253-018-9474-7](https://doi.org/10.1007/s00253-018-9474-7)

EID: 2-s2.0-85055964803

CONTRIBUTORS: Martínez-Solís, M.; Herrero, S.; Targovnik, A.M.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Expression of recombinant glutamic acid decarboxylase in insect larvae and its application in an immunoassay for the diagnosis of autoimmune diabetes mellitus

Scientific Reports

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2019 | Journal article

DOI: [10.1038/s41598-018-35744-2](https://doi.org/10.1038/s41598-018-35744-2)

EID: 2-s2.0-85060788560

CONTRIBUTORS: Trabucchi, A.; Bombicino, S.S.; Targovnik, A.M.; Marfía, J.I.; Sabljic, A.V.; Faccinetti, N.I.; Guerra, L.L.; Iacono, R.F.; Miranda, M.V.; Valdez, S.N.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Recombinant protein purification in baculovirus-infected *Rachiplusia* nu larvae: An approach towards a rational design of downstream processing strategies based on chromatographic behavior of proteins

Protein Expression and Purification

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2019 | Journal article

DOI: [10.1016/j.pep.2019.02.009](https://doi.org/10.1016/j.pep.2019.02.009)

EID: 2-s2.0-85062237736

CONTRIBUTORS: Mc Callum, G.J.; Arregui, M.B.; Smith, I.; Bracco, L.F.; Wolman, F.; Cascone, O.; Targovnik, A.M.; Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Highly efficient production of rabies virus glycoprotein G ectodomain in Sf9 insect cells

3 Biotech

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2019-11 | Journal article

DOI: [10.1007/s13205-019-1920-4](https://doi.org/10.1007/s13205-019-1920-4)

CONTRIBUTORS: Alexandra Marisa Targovnik; Alejandro Ferrari; Gregorio Juan Mc Callum; Mariana Bernadett Arregui; Ignacio Smith; Lautaro Fidel Bracco; Victoria Alfonso; María Gabriela López; María Martínez-Solís; Salvador Herrero et al.

Source: Crossref

Improvement of baculovirus as protein expression vector and as biopesticide by CRISPR/Cas9 editing

Biotechnology and Bioengineering

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2019-11-02 | Journal article

DOI: [10.1002/bit.27139](https://doi.org/10.1002/bit.27139)

CONTRIBUTORS: Verónica Pazmiño-Ibarra; Adrià Mengual-Martí; Alexandra Marisa Targovnik; Salvador Herrero

Source: Crossref

Improvement of baculovirus as protein expression vector and as biopesticide by CRISPR/Cas9 editing

2019-06-06 | Other

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DOI: [10.1101/662890](https://doi.org/10.1101/662890)

CONTRIBUTORS: Verónica Pazmiño-Ibarra; Adriá Mengual; Alexandra Targovnik; Salvador Herrero

Source: Crossref

Production of biologically active feline interferon beta in insect larvae using a recombinant baculovirus

3 Biotech

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2018 | Journal article

DOI: [10.1007/s13205-018-1369-x](https://doi.org/10.1007/s13205-018-1369-x)

EID: 2-s2.0-85050772567

CONTRIBUTORS: Arregui, M.B.; Mc Callum, G.J.; Smith, I.; Villaverde, M.S.; Wolman, F.J.; Targovnik, A.M.; Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Integrated process for the purification and immobilization of the envelope protein domain III of dengue virus type 2 expressed in Rachiplusia nu larvae and its potential application in a diagnostic assay

Protein Expression and Purification

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2017 | Journal article

DOI: [10.1016/j.pep.2016.11.007](https://doi.org/10.1016/j.pep.2016.11.007)

EID: 2-s2.0-85006427510

CONTRIBUTORS: Smith, M.E.; Targovnik, A.M.; Cerezo, J.; Morales, M.A.; Miranda, M.V.; Talou, J.R.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Cytotoxic effects induced by interferon- ω gene lipofection through ROS generation and mitochondrial membrane potential disruption in feline mammary carcinoma cells

Cytokine

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2016 | Journal article

DOI: [10.1016/j.cyto.2016.05.018](https://doi.org/10.1016/j.cyto.2016.05.018)

EID: 2-s2.0-84969776500

CONTRIBUTORS: Villaverde, M.S.; Targovnik, A.M.; Miranda, M.V.; Finocchiaro, L.M.E.; Glikin, G.C.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Insect larvae: A new platform to produce commercial recombinant proteins

Current Pharmaceutical Biotechnology

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2016 | Journal article

EID: 2-s2.0-84961620691

CONTRIBUTORS: Targovnik, A.M.; Arregui, M.B.; Bracco, L.F.; Urtasun, N.; Baieli, M.F.; Segura, M.M.; Simonella, M.A.; Fogar, M.; Wolman, F.J.; Cascone, O. et al.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Nanotoxicological effects of SiO₂ nanoparticles on Spodoptera frugiperda Sf9 Cells

Current Pharmaceutical Biotechnology

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2016 | Journal article

EID: 2-s2.0-84961654657

CONTRIBUTORS: Santo-Orihuela, P.L.; Foglia, M.L.; Targovnik, A.M.; Miranda, M.V.; Desimone, M.F.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Kinetic characterization of human thyroperoxidase. Normal and pathological enzyme expression in Baculovirus System: A molecular model of functional expression

Molecular and Cellular Endocrinology

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2015 | Journal article

DOI: [10.1016/j.mce.2014.12.026](https://doi.org/10.1016/j.mce.2014.12.026)

EID: 2-s2.0-84964199939

CONTRIBUTORS: Belforte, F.S.; Targovnik, A.M.; González-Lebrero, R.M.; Osorio Larroche, C.; Citterio, C.E.; González-Sarmiento, R.; Miranda, M.V.; Targovnik, H.M.; Rivolta, C.M.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Expression and purification of recombinant feline interferon in the baculovirus-insect larvae system

Process Biochemistry

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2014 | Journal article

DOI: [10.1016/j.procbio.2014.03.013](https://doi.org/10.1016/j.procbio.2014.03.013)

EID: 2-s2.0-84899925593

CONTRIBUTORS: Targovnik, A.M.; Villaverde, M.S.; Arregui, M.B.; Fogar, M.; Taboga, O.; Glikin, G.C.; Finocchiaro, L.M.E.; Cascone, O.; Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Biofactories. Expression of recombinant proteins in insect larvae

Larvae: Morphology, Biology and Life Cycle

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2012 | Book

EID: 2-s2.0-84892897680

CONTRIBUTORS: Urtasun, N.; Targovnik, A.M.; Faletti, L.E.; Cascone, O.;
Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Extractive purification of recombinant peroxidase isozyme c from insect larvae in aqueous two-phase systems

Separation and Purification Technology

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2012 | Journal article

DOI: [10.1016/j.seppur.2012.08.004](https://doi.org/10.1016/j.seppur.2012.08.004)

EID: 2-s2.0-84865824068

CONTRIBUTORS: Targovnik, A.M.; Cascone, O.; Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Recombinant protein purification using complementary peptides as affinity tags

New Biotechnology

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2012 | Journal article

DOI: [10.1016/j.nbt.2011.05.008](https://doi.org/10.1016/j.nbt.2011.05.008)

EID: 2-s2.0-84855817428

CONTRIBUTORS: Martínez-Ceron, M.C.; Targovnik, A.M.; Urtasun, N.; Cascone,
O.; Miranda, M.V.; Camperi, S.A.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Rachiplusia nu larva as a biofactory to achieve high level expression of horseradish peroxidase

Biotechnology Letters

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2011 | Journal article

DOI: [10.1007/s10529-011-0540-9](https://doi.org/10.1007/s10529-011-0540-9)

EID: 2-s2.0-79955077464

CONTRIBUTORS: Romero, L.V.; Targovnik, A.M.; Wolman, F.J.; Cascone, O.;
Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Egg white lysozyme purification with a chitin-silica-based affinity chromatographic matrix

European Food Research and Technology

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2010 | Journal article

DOI: [10.1007/s00217-010-1263-1](https://doi.org/10.1007/s00217-010-1263-1)

EID: 2-s2.0-77952423953

CONTRIBUTORS: Wolman, F.J.; Copello, G.J.; Mebert, A.M.; Targovnik, A.M.; Miranda, M.V.; del Cañizo, A.A.N.; Díaz, L.E.; Cascone, O.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Horseradish peroxidase production from Spodoptera frugiperda larvae: A simple and inexpensive method

Process Biochemistry

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2010 | Journal article

DOI: [10.1016/j.procbio.2010.02.003](https://doi.org/10.1016/j.procbio.2010.02.003)

EID: 2-s2.0-77950916127

CONTRIBUTORS: Targovnik, A.M.; Romero, L.V.; Wolman, F.J.; Cascone, O.; Miranda, M.V.

Source: Alexandra Targovnik *via* Scopus - Elsevier

Recombinant peroxidase production in species of lepidoptera frequently found in Argentina

New Biotechnology

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2010 | Journal article

DOI: [10.1016/j.nbt.2010.06.019](https://doi.org/10.1016/j.nbt.2010.06.019)

EID: 2-s2.0-78649695477

CONTRIBUTORS: Romero, L.; Targovnik, A.; Wolman, F.; Fogar, M.; Simonella, M.; Cascone, O.; Miranda, M.

Source: Alexandra Targovnik *via* Scopus - Elsevier

∨ Peer review (1)

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➤ Review activity for **Biotechnology Letters** (5)



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