



DAFTAR PUSTAKA

- Adi-Kusumo, F., and Winanda, R. S., 2016, Bifurcation Analysis of the Cervical Cancer Cells, Effector Cells, and IL-2 Compounds Interaction Model with Immunotherapy, *Far East Journal of Mathematical Sciences*, 99(6), 869.
- Akimenko, V., 2017, An Age-Structured SIR Epidemic Model with Fixed Incubation Period of Infection, *Computers & Mathematics with Applications*, 73(7), 1485–1504.
- Akimenko, V. and Adi-Kusumo, F., 2021, Stability Analysis of an Age-structured Model of Cervical Cancer Cells and HPV Dynamics, *Mathematical Biosciences and Engineering*, 18(5):6155-6177.
- Akimenko, V. and Adi-Kusumo, F., 2021, Age-structured Delayed SIPCV Epidemic Model of HPV and Cervical Cancer Cells Dynamics I. Numerical Method, *Biomath*, 10(2), ID-2110027.
- Akimenko, V. and Adi-Kusumo, F., 2022, Age-structured Delayed SIPCV Epidemic Model of HPV and Cervical Cancer Cells Dynamics II. Convergence of Numerical Solution, *Biomath*, 11(1), 2203278-2203278.
- Akimenko, V. and Zagorodniy, Y.V., 2011, Modeling the Dynamics of a Monocyclic Cell Aggregation System, *Cybernetics and Systems Analysis*, 47(1), 29–43.
- Al-Arydah, M. and Malik, T., 2017, An Age-Structured Model of the Human Papillomavirus Dynamics and Optimal Vaccine Control, *International Journal of Biomathematics*, 10(6), 1–18.
- Al-Arydah, M. and Smith, R., 2011, An Age-Structured Model of Human Papillomavirus Vaccination, *Mathematics and Computers in Simulation*, 82(4), 629–652.



- Allali, K., 2021, Stability Analysis and Optimal Control of HPV Infection Model with Early-Stage Cervical Cancer, *Biosystems*, 199, 104321.
- Alsaleh, A.A. and Gumel, A.B., 2014, Dynamics Analysis of a Vaccination Model for HPV Transmission, *Journal of Biological Systems*, 22(4), 1–45.
- Aryati, L., Noor-Asih, T.S., Adi-Kusumo, F. and Hardianti, M.S., 2018, Global Stability of the Disease Free Equilibrium in a Cervical Cancer Model: a Chance to Recover, *Far East Journal of Mathematical Sciences*, 103(10), 1535–1546.
- Asih, T.S.N. and Masrukan, M., 2017, The Analysis and Interpretation of the All Exist Unstable Equilibrium Points of Cervical Cancer Mathematical Modeling, *Proceeding of ICMSE*, 4(1), 127–129.
- Asih, T.S.N., Widodo, Aryati, L. and Kusumo, F.A., 2019, Cusp Bifurcation on Cervical Cancer Mathematical Model, *Journal of Physics: Conference Series*, vol. 1321, 022087.
- Asih, T.S.N., Lenhart, S., Wise, S., Aryati, L., Adi-Kusumo, F., Hardianti, M.S. and Forde, J., 2016, The dynamics of HPV Infection and Cervical Cancer Cells, *Bulletin of Mathematical Biology*, 78(1), 4–20.
- Bharti, A. C., Singh, T., Bhat, A., Pande, D. and Jadli, M., 2018, Therapeutic Strategies for Human Papillomavirus Infection and Associated Cancers, *Frontiers in Bioscience-Elite*, 10(1), 15-73.
- Bassiony, M., Aluko, A.V. and Radosevich, J.A., 2020, Immunotherapy and Cancer, *Precision Medicine in Oncology*, 133-156.
- Bernard, H.U., 2005, The Clinical Importance of the Nomenclature, Evolution and Taxonomy of Human Papillomaviruses, *Journal of Clinical Virology*, 32, 1–6.
- Brauer, F. and Castillo-Chavez, C., 2012, *Mathematical Models in Population Biology and Epidemiology*, Vol. 2, No. 40, Springer, New York.
- Brauer, F., Driessche, P.D. and Wu, J., 2008, *Mathematical Epidemiology*, Springer, Berlin, Germany.



- Bryan, A. K., Goranov, A., Amon, A. and Manalis, S.R., 2010, Measurement of Mass, Density, and Volume During the Cell Cycle of Yeast, *Proceedings of the National Academy of Sciences*, 107(3), 999-1004.
- Burd, E.M., 2003, Human Papillomavirus and Cervical Cancer, *Clinical Microbiology Reviews*, 16(1), 1-17.
- Burger, E.A., Kim, J.J., Sy, S. and Castle, P.E., 2017, Age of Acquiring Causal Human Papillomavirus (HPV) Infections: Leveraging Simulation Models to Explore the Natural History of HPV-Induced Cervical Cancer, *Clinical Infectious Diseases*, 65(6), 893-899.
- Cai, S., Georgakilas, G.K., Johnson, J.L. and Vahedi, G., 2018, A Cosine Similarity-Based Method to Infer Variability of Chromatin Accessibility at the Single-Cell Level, *Frontiers in Genetics*, 9, 319.
- Causin, R.L., Freitas, A.J.A.D., Trovo Hidalgo Filho, C.M., Reis, R.D., Reis, R.M., and Marques, M.M.C., 2021, A Systematic Review of MicroRNAs Involved in Cervical Cancer Progression, *Cells*, 10(3), 668.
- Chen, D.S. and Mellman, I., 2013, Oncology Meets Immunology: the Cancer-Immunity Cycle, *Immunity*, 39, 1-10.
- Cho, H., Wang, Z. and Levy, D., 2020, Study of Dose-Dependent Combination Immunotherapy using Engineered T Cells and IL-2 in Cervical Cancer, *Journal of Theoretical Biology*, 505, 110403.
- Cifuentes-Muñoz, N., Dutch, R.E. and Cattaneo, R., 2018, Direct Cell-to-Cell Transmission of Respiratory Viruses: The Fast Lanes, *PLoS Pathogens*, 14(6), e1007015.
- Clifford, G.M., Smith, J.S., Plummer, M. and Muñoz, N., 2003, Human Papillomavirus Types in Invasive Cervical Cancer Worldwide: A Meta-Analysis, *British Journal of Cancer*, 88(1), 63-69.



- Darcy, P.K. and Neeson, P.J., 2015, Adoptive Immunotherapy: a New Era for the Treatment of Cancer, *Immunotherapy*, 7(5), 469-471.
- Darzynkiewicz, Z., Zhao, H., 2014, Analysis of Cell Cycle by Flow Cytometry, *eLS (Encyclopedia of Life Sciences)*, John Wiley and Sons Ltd, Chichester.
- Diekmann, O., Heesterbeek, J. A. P., Metz, J. A., 1990, On the Definition and the Computation of the Basic Reproduction Ratio R_0 in Models for Infectious Diseases in Heterogeneous Populations. *Journal of Mathematical Biology*, 28, 365-382.
- DiLoreto, R. and Murphy, C.T., 2015, The Cell Biology of Aging, *Molecular Biology of the Cell*, 26(25), 4524–4531.
- Dinas Kesehatan Provinsi Yogyakarta, 2023, *Profil Kesehatan D.I. Yogyakarta Tahun 2022*, Dinkes, Yogyakarta.
- d'Onofrio, A., 2008, Metamodeling tumor-immune system interaction, tumor evasion and immunotherapy, *Mathematical and Computer Modelling*, 47(5-6), 614-637.
- Dürst, M., Gissmann, L., Ikenberg, H. and Zur Hausen, H., 1983, A papillomavirus DNA from a Cervical Carcinoma and its Prevalence in Cancer Biopsy Samples from Different Geographic Regions, *Proceedings of the National Academy of Sciences*, 80(12), 3812-3815.
- Dushoff, J., Huang, W. and Castillo-Chavez, C., 1998, Backwards Bifurcations and Catastrophe in Simple Models of Fatal Diseases, *Journal of Mathematical Biology*, 36(3), 227-248.
- Erickson, B.K., Alvarez, R.D. and Huh, W.K., 2013, Human Papillomavirus: What Every Provider Should Know, *American Journal of Obstetrics and Gynecology*, 208(3), 169–175.
- Favre, M., Orth G., Croissant O. and Yaniv, M., 1975, Human Papillomavirus



DNA: Physical Map, *Proceedings of the National Academy of Sciences*, 72(12), 4810–4814.

Fedr, R., Kahounová, Z., Remšík, J., Reiterová, M., Kalina, T., and Souček, K., 2023, Variability of fluorescence intensity distribution measured by flow cytometry is influenced by cell size and cell cycle progression, *Scientific Reports*, 13(1), 4889.

Ferrall, L., Lin, K.Y., Roden, R.B.S., Hung, C.F., Wu, T.C., 2021, Cervical Cancer Immunotherapy: Facts and Hopes, *Clinical Cancer Research*, 27(2021), 4953-4973.

Fuadi, A., Pradjatmo, H. dan Kusumanto, A., 2019, Kualitas Hidup Satu Tahun Pasien Kanker Serviks yang telah Dilakukan Histerektomi Radikal di RSUP DR. Sardjito Yogyakarta, *Jurnal Kesehatan Reproduksi*, 6(3), 115–122.

Gabriel, P., Garbett, S.P., Quaranta, V., Tyson, D.R. and Webb, G.F., 2012, The Contribution of Age Structure to Cell Population Responses to Targeted Therapeutics, *Journal of Theoretical Biology*, 311, 19–27.

Goodman, S. R. (Ed.), 2008, *Medical Cell Biology*, Academic Press.

Graham, S.V., 2017, The Human Papillomavirus Replication Cycle, and its Links to Cancer Progression: A Comprehensive Review, *Clinical Science*, 131(17), 2201-2221.

Gumel, A. B., 2012, Causes of Backward Bifurcations in Some Epidemiological Models, *Journal of Mathematical Analysis and Applications*, 395(1), 355-365.

Hadeler, K.P., Waldstätter, R. and Wörz-Busekros, A., 1988, Models for Pair Formation in Bisexual Populations, *Journal of Mathematical Biology*, 26, 635-649

Hanahan, D. and Weinberg, R. A., 2011, Hallmarks of Cancer: The Next Generation, *Cell*, 144(5), 646–674.

Harden, M.E. and Munger, K., 2017, Human Papillomavirus Molecular Biology, *Mutation Research/Reviews in Mutation Research*, 772, 3–12.



- Hausen, H.Z., 2000, Papillomaviruses Causing Cancer: Evasion from Host-Cell Control in Early Events in Carcinogenesis, *Journal of the National Cancer Institute*, 92(9), 690–698.
- Herman, R.L., 2015, *Introduction to Partial Differential Equations*, UNC Wilmington, Wilmington, NC. <http://people.uncw.edu/hermanr/pde1/pdebook>
- Holtan, S. G., Dronca, R. S., Nevala, W. K., Porrata, L. F., Mansfield, A. S., Block, M. S., Leontovich, A.A., Grotz, T.E., Turner, J.D., Frisch, H.P, and Markovic, S. N., 2011, The dynamic human immune response to cancer: it might just be rocket science, *Immunotherapy*, 3(9), 1021-1024.
- IARC, 2007, *Human Papillomaviruses*, Vol. 90, Lyon, France.
- Iannelli, M., 1995, *Mathematical Theory of Age-Structured Population Dynamics*, Giardini editori e stampatori in Pisa.
- Iannelli, M., and Milner, F., 2017, *The Basic Approach to Age-Structured Population Dynamics, Models Methods and Numerics*, Springer, Netherlands.
- Inaba, H., and Nishiura, H., 2008, The Basic Reproduction Number of an Infectious Disease in a Stable Population: the Impact of Population Growth Rate on the Eradication Threshold, *Mathematical Modelling of Natural Phenomena*, 3(7), 194-228.
- International Agency for Research on Cancer, 2012, Monograph 100B: Human Papillomaviruses, 2005.
- Kajiwara, T., Sasaki, T., and Otani, Y., 2019, Global Stability of an Age-Structured Model for Pathogen–Immune Interaction, *Journal of Applied Mathematics and Computing*, 59, 631-660.
- Kamihigashi, T., 2017, A Generalization of Fatou’s Lemma for Extended Real-Valued Functions on σ -Finite Measure Spaces: with an Application to Infinite-Horizon Optimization in Discrete Time, *Journal of Inequalities and Applications*, 2017(1), 1-15.



- Karsenti, E., 2008, Self-Organization in Cell Biology: a Brief History, *Nature Reviews Molecular Cell Biology*, 9(3), 255–262.
- Kashyap, N., Krishnan, N., Kaur, S. and Ghai, S., 2019, Risk Factors of Cervical Cancer: a Case-Control Study, *Asia-Pacific Journal of Oncology Nursing*, 6(3), 308.
- Khan, A., and Zaman, G., 2018, Global Analysis of an Age-Structured SEIR Endemic Model, *Chaos, Solitons and Fractals*, 108, 154-165.
- Kumar, A., Watkins, R., and Vilgelm, A. E., 2021, Cell therapy with TILs: training and taming T cells to fight cancer, *Frontiers in Immunology*, 12, 690499.
- Lazarski, C. A., and Hanley, P. J., 2023, Review of flow cytometry as a tool for cell and gene therapy *Cyotherapy*, S1465-3249.
- Lambert, P.F., 1991, Papillomavirus DNA Replication, *Journal of Virology*, 65(7), 3417.
- Le Bras, S. and Le Borgne, R., 2014, Epithelial Cell Division–Multiplying without Losing Touch, *Journal of Cell Science*, 127(24), 5127–5137.
- Lee, S.L., and Tameru, A.M., 2012, A Mathematical Model of Human Papillomavirus (HPV) in the United States and its Impact on Cervical Cancer, *Journal of Cancer*, 3(1), 262–268.
- Lehmann, B.D., Paine, M.S., Brooks, A.M., McCubrey, J.A., Renegar, R.H., Wang, R. and Terrian, D.M., 2008, Senescence Associated Exosome Release from Human Prostate Cancer Cells, *Cancer Research*, 68(19), 7864–7871.
- Leontovich, A. A., Dronca, R. S., Suman, V. J., Ashdown, M. L., Nevala, W. K., Thompson, M. A., Robinson, A., and Markovic, S. N., 2012, Fluctuation of systemic immunity in melanoma and implications for timing of therapy, *Frontiers in Bioscience-Elite*, 4(3), 958-975.
- Lew, D.J. and Rout, M.P., 2009, Cell Structure and Dynamics, *Current Opinion in Cell Biology*, 21(1), 1.



- Li, X. Z., Yang, J., and Martcheva, M., 2020, *Age Structured Epidemic Modeling* (Vol. 52), Springer Nature.
- Lodish, H., Berk, A., Kaiser, C.A., Krieger, M., Scott, M.P., Bretscher, A., Ploegh, H. and Matsudaira, P., 2008, *Molecular Cell Biology*, W.H. Freeman, New York.
- Logan, J. D., 2008, *An Introduction to Nonlinear Partial Differential Equations*, Vol. 89, John Wiley & Sons, New Jersey.
- Luvero, D., Lopez, S., Bogani, G., Raspagliosi, F. and Angioli, R., 2020, From the Infection to the Immunotherapy in Cervical Cancer: Can We Stop the Natural Course of the Disease? *Vaccines*, 8(4), 597.
- Malik, T., Gumel, A., and Elbasha, E., 2013, Qualitative Analysis of an Age and Sex Structured Vaccination Model for Human Papillomavirus, *Discrete and Continuous Dynamical Systems Series B*, 18, 2151–2174.
- Malik, T., Imran, M. and Jayaraman R., 2016, Optimal Control with Multiple Human Papillomavirus Vaccines, *Journal of Theoretical Biology*, 393, 179–193.
- Mastutik, G., Rahniayu, A., Kurniasari, N., Rahaju, A. S., and Harjanto, B., 2021, Distribution of human papilloma virus (HPV) in cervical adenocarcinoma and adenosquamous carcinoma, *Folia Medica Indonesiana*, 57(2), 170-176.
- Mazanti, G., Boussaada, I., Niculescu, S. I., and Chitour, Y., 2021, Effects of roots of maximal multiplicity on the stability of some classes of delay differential-algebraic systems: The lossless propagation case, *International Symposium on Mathematical Theory of Networks and Systems*, Cambridge, United Kingdom, 54(9), 764-769.
- Miller, A. K., Munger, K., and Adler, F. R., 2017, A mathematical model of cell cycle dysregulation due to Human Papillomavirus infection, *Bulletin of mathematical biology*, 79(7), 1564-1585.
- McMurray, H.R., Nguyen, D., Westbrook, T.F. and McAnce, D.J., 2001, Biology



- of Human Papillomaviruses, *International Journal of Experimental Pathology*, 82(1), 15–33.
- Moody, C.A. and Laimins, L.A., 2010, Human Papillomavirus Oncoproteins: Pathways to Transformation. *Nature Reviews Cancer*, 10(8), 550–560.
- Nayak, S. P., Bagchi, B., and Roy, S., 2022, Effects of immunosuppressants on T-cell dynamics: Understanding from a generic coarse-grained immune network model, *Journal of Biosciences*, 47(4), 70.
- Noor-Asih, T. S., Adi-Kusumo, F., Aryati, L. and Hardianti M.S., 2015, The Metastasis Behavior in The Cervical Cancer Mathematical Model, *Far East Journal of Mathematical Sciences*, 96(8), 981.
- Nour, N.M., 2009, Cervical Cancer: A Preventable Death, *Reviews in Obstetrics and Gynecology*, 2(4), 240–244.
- Nowak, M., and May, R. M., 2000, *Virus dynamics: mathematical principles of immunology and virology*, Oxford University Press, UK.
- Oka, H., Kawano, N., Tanaka, T., Utsuki, S., Kobayashi, I., Maezawa, H. and Fujii, K., 1998, Long-Term Functional Outcome of Suprasellar Germinomas: Usefulness and Limitations of Radiotherapy, *Journal of Neuro-Oncology*, 40(2), 185–190.
- Okuwa, K., Inaba, H. and Kuniya, T., 2019, Mathematical Analysis for an Age-Structured SIRS Epidemic Model, *Mathematical Biosciences and Engineering*, 16(5), 6071-6102.
- Okuwa, K., Inaba, H. and Kuniya, T., 2021, An age-Structured Epidemic Model with Boosting and Waning of Immune Status, *Mathematical Biosciences and Engineering*, 18(5), 5707-5736.
- Omame, A., Umana, R.A., Okuonghae, D. and Inyama, S.C., 2018, Mathematical Analysis of a Two-Sex Human Papillomavirus (HPV) Model, *International Journal of Biomathematics*, 11(07), 1850092.



- Opoku, N.K.O., Nyabadza, F. and Ngarakana-gwasira, E., 2019, Modelling Cervical Cancer due to Human Papillomavirus Infection in the Presence of Vaccination, *Open Journal of Mathematical Sciences*, 3, 217–233.
- Patil, S., Rao, R.S., Amrutha, N. and Sanketh, D. S., 2014, Analysis of Human Papillomavirus in Oral Squamous Cell Carcinoma using P16: An Immunohistochemical Study, *Journal of International Society of Preventive and Community Dentistry*, 4(1), 61.
- Pavan, A., Attili, I., Pasello, G., Guarneri, V., Conte, P.F. and Bonanno, L., 2019, Immunotherapy in Small-Cell Lung Cancer: from Molecular Promises to Clinical Challenges, *Journal for Immunotherapy of Cancer*, 7(1), 1-13.
- Peters, W.M., 1986, Nature of "Basal" and "Reserve" Cells in Oviductal and Cervical Epithelium in Man, *Journal of Clinical Pathology*, 39(3), 306–312.
- Pongsumpun, P., 2014, Mathematical Model of Cervical Cancer due to Human Papillomavirus Infection, *Mathematical Methods in Science and Engineering*, 157–161.
- Pradjatmo, H., Hakimi, M. and Sofoewan, S., 1999, Survival Rate of Cervical Cancer Patients in the Province of Yogyakarta, *Indonesia Journal of Clinical Epidemiology and Biostatistics*, 6(3), 4-8.
- Rasjidi, I., 2009, Epidemiologi Kanker Serviks, *Indonesian Journal of Cancer*, III(3), 103-108.
- Roy, S. and Bagchi, B., 2020, Fluctuation Theory of Immune Response: A Statistical Mechanical Approach to Understand Pathogen Induced T-Cell Population Dynamics, *The Journal of Chemical Physics*, 153(4), 045107.
- Sado, A.E., 2019, Mathematical Modeling of Cervical Cancer with HPV Transmission and Vaccination, *Science Journal of Applied Mathematics and Statistics*, 7(2), 21–25.



- Samuel, C.E., 2001, Antiviral Actions of Interferons, *Clinical Microbiology Reviews*, 14(4), 778–809.
- Sanchez, F., Calvo, J. G., Segura, E. and Feng, Z., 2019, A Partial Differential Equation Model with Age-Structure and Nonlinear Recidivism: Conditions for a Backward Bifurcation and a General Numerical Implementation, *Computers and Mathematics with Applications*, 78(12), 3916-3930.
- Sasagawa, T., Takagi, H. and Makinoda, S., 2012, Immune Responses Against Human Papillomavirus (HPV) Infection and Evasion of Host Defense in Cervical Cancer, *Journal of Infection and Chemotherapy*, 18(6), 807–815.
- Scarth, J. A., Patterson, M. R., Morgan, E. L. and Macdonald, A., 2021, The Human Papillomavirus Oncoproteins: A Review of the Host Pathways Targeted on the Road to Transformation, *The Journal of General Virology*, 102(3).
- Shamseddine, A. A., Burman, B., Lee, N. Y., Zamarin, D., and Riaz, N., 2021, Tumor immunity and immunotherapy for HPV-related cancers, *Cancer Discovery*, 11(8), 1896-1912.
- Sharomi, O. and Malik, T., 2017, A Model to Assess the Effect of Vaccine Compliance on Human Papillomavirus Infection and Cervical Cancer, *Applied Mathematical Modelling*, 47, 528–550.
- Showacre, J.L., 1968, Staging of the Cell Cycle with Time-Lapse Photography, *Chap. 7, pages 147–159 of: Prescott, David M. (ed), Method in Cell Physiology*, 1 edn., vol. 3, Academic Press, Inc., London.
- Stubenrauch, F. and Laimins, L.A., 1999, Human Papillomavirus Life Cycle: Active and Latent Phases, *Pages 379–386 of: Seminars in Cancer Biology*, vol. 9, Academic Press.
- Tabbal, H., Septier, A., Mathieu, M., Drelon, C., Rodriguez, S., et al., 2019, EZH2 Cooperates with E2F1 to Stimulate Expression of Genes Involved in Adrenocortical Carcinoma Aggressiveness, *British Journal of Cancer*, Cancer Research UK, 121 (5), pp.384-394.



- Taylor, W. R., and Grabovich, A., 2009, *Targeting the cell cycle to kill cancer cells*, Editor:Hacker, M., Bachmann, K., Messer, W., *Pharmacology* (pp. 429-453), Academic Press, Oxford.
- Tian, X., Xu, R., Bai, N., and Lin, J., 2020, Bifurcation Analysis of an Age-Structured SIRI Epidemic Model, *Mathematical Biosciences and Engineering*, 17(6), 7130-7150.
- Töpfer, K., Kempe, S., Müller, N., Schmitz, M., Bachmann, M., Cartellieri, M., Schackert, G., and Temme, A., 2011, Tumor Evasion from T Cell Surveillance, *BioMed Research International*, vol. 2011, Article ID 918471, 19 pages. <https://doi.org/10.1155/2011/918471>
- Walboomers, J.M.M, Jacobs, M. V, Manos, M. M., Bosch, F. X., Kummer, J.A., Shah, K. V, Snijders, P.J.F., Peto, J., Meijer, C.J.L.M. and Munoz, N., 1999, Human Papillomavirus is a Necessary Cause of Invasive Cervical Cancer Worldwide, *The Journal of Pathology*, 189(1), 12–19.
- Williams, K. S., Secomb, T. W., and El-Kareh, A. W., 2023, An autonomous mathematical model for the mammalian cell cycle, *Journal of Theoretical Biology*, 569, 111533.
- Woodward, M., 2013, *Epidemiology: Study Design and Data Analysis*, CRC press, Boca Raton.
- World Health Organization, 2020, Cancer Statistic 2020, *Globocan 2020*, 419:1–2.
- Yu, L., Lanqing, G., Huang, Z., Xin, X., Minglin, L., Fa-Hui, L., Zou, H. and Min, J., 2023, T Cell Immunotherapy for Cervical Cancer: Challenges and Opportunities, *Frontiers in Immunology*, 14, p.1105265.
- Zauderer, E., 2011, *Partial Differential Equations of Applied Mathematics*, John Wiley & Sons, New York.
- Zhu, Y., Zhou, J., Zhu, L., Hu, W., Liu, B., and Xie, L., 2022, Adoptive tumor



infiltrating lymphocytes cell therapy for cervical cancer, *Human Vaccines & Immunotherapeutics*, 18(5), 2060019.