

1. Record Nr.	UNINA9910373913003321
Titolo	Global Virology III: Virology in the 21st Century // edited by Paul Shapshak, Seetharaman Balaji, Pandjassarame Kanguane, Francesco Chiappelli, Charurut Somboonwit, Lynette J. Menezes, John T. Sinnott
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-29022-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xi, 680 pages) : illustrations
Disciplina	579.2
Soggetti	Virology Neurosciences Immunology Vaccines Virologia Vaccine Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Applications of Artificial Intelligence and Machine Learning in Viral Biology -- 2. Non-Immune Modulators of Cellular Immune Surveillance to HIV-1 and other Retroviruses: Future Artificial Intelligence-Driven Goals and Directions -- 3. Emerging Technologies for Antiviral Drug Discovery -- 4. Wavelet Transform Modulus Maxima Approach for Hepatitis Virus Classification with ANN -- 5. Computational Coarse Protein Modeling of HIV-1 Sequences Using Evolutionary Search Algorithm -- 6. Drug Development for Hepatitis C Virus Infection: Machine Learning Applications -- 7. Modern Developments in Short Peptide Viral Vaccine Design -- 8. Artificial life and therapeutic vaccines against cancers that originate in viruses -- 9. Mystery of HIV Drug Resistance -- A Machine Learning Perspective -- 10. Swarm Intelligence in Cell Entry Exclusion Phenomena in Viruses and Plasmids: How to Exploit Intelligent Gene Vector Self-Scattering in Therapeutic Gene Delivery -- 11. A Combinatorial Computational Approach for

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Sommario/riassunto

Global Virology, Volume III: Virology in the 21st Century examines work that has been undertaken, or is planned, in several fields of virology, in an effort to promote current and future work, research, and health. Fields and methods addressed include virology, immunology, space research, astrovirology/astrobiology, plasmids, swarm intelligence, bioinformatics, data-mining, machine learning, neural networks, critical equations, and advances in biohazard biocontainment. Novel and forward-looking methods, techniques, and approaches in research and development are presented by experts in the field.
