

# Sunmi Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7719972/publications.pdf>

Version: 2024-02-01

50  
papers

1,172  
citations

566801

15  
h-index

414034

32  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmission characteristics of MERS and SARS in the healthcare setting: a comparative study. BMC Medicine, 2015, 13, 210.	2.3	384
2	Optimal control for pandemic influenza: The role of limited antiviral treatment and isolation. Journal of Theoretical Biology, 2010, 265, 136-150.	0.8	102
3	The Characteristics of Middle Eastern Respiratory Syndrome Coronavirus Transmission Dynamics in South Korea. Osong Public Health and Research Perspectives, 2016, 7, 49-55.	0.7	82
4	Modeling Optimal Age-Specific Vaccination Strategies Against Pandemic Influenza. Bulletin of Mathematical Biology, 2012, 74, 958-980.	0.9	75
5	Estimation of Serial Interval and Reproduction Number to Quantify the Transmissibility of SARS-CoV-2 Omicron Variant in South Korea. Viruses, 2022, 14, 533.	1.5	57
6	The role of residence times in two-patch dengue transmission dynamics and optimal strategies. Journal of Theoretical Biology, 2015, 374, 152-164.	0.8	55
7	Agent-Based Modeling for Super-Spreading Events: A Case Study of MERS-CoV Transmission Dynamics in the Republic of Korea. International Journal of Environmental Research and Public Health, 2018, 15, 2369.	1.2	49
8	Potential effects of climate change on dengue transmission dynamics in Korea. PLoS ONE, 2018, 13, e0199205.	1.1	48
9	Exploring optimal control strategies in seasonally varying flu-like epidemics. Journal of Theoretical Biology, 2017, 412, 36-47.	0.8	28
10	Assessing the effects of daily commuting in two-patch dengue dynamics: A case study of Cali, Colombia. Journal of Theoretical Biology, 2018, 453, 14-39.	0.8	26
11	Assessment of optimal strategies in a two-patch dengue transmission model with seasonality. PLoS ONE, 2017, 12, e0173673.	1.1	25
12	Discovering spatiotemporal patterns of COVID-19 pandemic in South Korea. Scientific Reports, 2021, 11, 24470.	1.6	20
13	Trapped supercritical waves for the forced KdV equation with two bumps. Applied Mathematical Modelling, 2015, 39, 2649-2660.	2.2	19
14	Dynamics of Trapped Solitary Waves for the Forced KdV Equation. Symmetry, 2018, 10, 129.	1.1	18
15	Modeling influenza transmission dynamics with media coverage data of the 2009 H1N1 outbreak in Korea. PLoS ONE, 2020, 15, e0232580.	1.1	17
16	Mathematical Model of COVID-19 Transmission Dynamics in South Korea: The Impacts of Travel Restrictions, Social Distancing, and Early Detection. Processes, 2020, 8, 1304.	1.3	16
17	A note on the use of influenza vaccination strategies when supply is limited. Mathematical Biosciences and Engineering, 2011, 8, 171-182.	1.0	16
18	Risk Assessment of Importation and Local Transmission of COVID-19 in South Korea: Statistical Modeling Approach. JMIR Public Health and Surveillance, 2021, 7, e26784.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Evolution of Responses to COVID-19 and Epidemiological Characteristics in South Korea. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4056.	1.2	11
20	The Role of Vertical Transmission in the Control of Dengue Fever. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 803.	1.2	9
21	Analysis of Superspreading Potential from Transmission Clusters of COVID-19 in South Korea. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12893.	1.2	9
22	What Does a Mathematical Model Tell About the Impact of Reinfection in Korean Tuberculosis Infection?. <i>Osong Public Health and Research Perspectives</i> , 2014, 5, 40-45.	0.7	8
23	Role of Active and Inactive Cytotoxic Immune Response in Human Immunodeficiency Virus Dynamics. <i>Osong Public Health and Research Perspectives</i> , 2014, 5, 3-8.	0.7	8
24	Resource Allocation in Two-Patch Epidemic Model with State-Dependent Dispersal Behaviors Using Optimal Control. <i>Processes</i> , 2020, 8, 1087.	1.3	8
25	Exploration of Superspreading Events in 2015 MERS-CoV Outbreak in Korea by Branching Process Models. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6137.	1.2	8
26	Assessing the Effectiveness of Isolation and Contact-Tracing Interventions for Early Transmission Dynamics of COVID-19 in South Korea. <i>IEEE Access</i> , 2021, 9, 41456-41467.	2.6	8
27	Modeling optimal treatment strategies in a heterogeneous mixing model. <i>Theoretical Biology and Medical Modelling</i> , 2015, 12, 28.	2.1	7
28	Explicit solutions of the fifth-order KdV type nonlinear evolution equation using the system technique. <i>Results in Physics</i> , 2016, 6, 992-997.	2.0	7
29	Absorbing boundary conditions for the stationary forced KdV equation. <i>Applied Mathematics and Computation</i> , 2008, 202, 511-519.	1.4	6
30	Age-Specific Mathematical Model for Tuberculosis Transmission Dynamics in South Korea. <i>Mathematics</i> , 2021, 9, 804.	1.1	6
31	Effectiveness of Intervention Strategies on MERS-CoV Transmission Dynamics in South Korea, 2015: Simulations on the Network Based on the Real-World Contact Data. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3530.	1.2	5
32	Cost-Benefit Analysis of Malaria Chemoprophylaxis and Early Diagnosis for Korean Soldiers in Malaria Risk Regions. <i>Journal of Korean Medical Science</i> , 2018, 33, e59.	1.1	4
33	Joint Demosaicing and Denoising Based on Interchannel Nonlocal Mean Weighted Moving Least Squares Method. <i>Sensors</i> , 2020, 20, 4697.	2.1	4
34	The Role of Immune Response in Optimal HIV Treatment Interventions. <i>Processes</i> , 2018, 6, 102.	1.3	3
35	A Two-Patch Mathematical Model for Temperature-Dependent Dengue Transmission Dynamics. <i>Processes</i> , 2020, 8, 781.	1.3	3
36	Exploration of the Characteristics of Emotion Distribution in Korean TV Series: Common Pattern and Statistical Complexity. <i>IEEE Access</i> , 2020, 8, 69438-69447.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Assessment of Intensive Vaccination and Antiviral Treatment in 2009 Influenza Pandemic in Korea. Osong Public Health and Research Perspectives, 2015, 6, 47-51.	0.7	2
38	Personality of Public Health Organizationsâ€™ Instagram Accounts and According Differences in Photos at Content and Pixel Levels. International Journal of Environmental Research and Public Health, 2021, 18, 3903.	1.2	2
39	Optimal control of a discrete-time plantâ€™ herbivore/pest model with bistability in fluctuating environments. Mathematical Biosciences and Engineering, 2022, 19, 5075-5103.	1.0	1
40	#ShoutYourAbortion on Instagram: Exploring the Visual Representation of Hashtag Movement and the Publicâ€™s Responses. SAGE Open, 2022, 12, 215824402210933.	0.8	1
41	Assessment of the Intensive Countermeasures in the 2009 Pandemic Influenza in Korea. Osong Public Health and Research Perspectives, 2014, 5, 101-107.	0.7	0
42	Fully localized solitary waves for the forced Kadomtsevâ€™Petviashvili equation. Computers and Mathematics With Applications, 2016, 72, 1865-1879.	1.4	0
43	Title is missing!. , 2020, 15, e0232580.		0
44	Title is missing!. , 2020, 15, e0232580.		0
45	Title is missing!. , 2020, 15, e0232580.		0
46	Title is missing!. , 2020, 15, e0232580.		0
47	Title is missing!. , 2020, 15, e0232580.		0
48	Title is missing!. , 2020, 15, e0232580.		0
49	Title is missing!. , 2020, 15, e0232580.		0
50	Title is missing!. , 2020, 15, e0232580.		0