

# Kosmas Kosmidis

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,760  
citations

471061

17  
h-index

377514

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1978  
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution of triangular research and innovation collaborations in the European area. Journal of Informetrics, 2021, 15, 101192.	1.4	0
2	A minimal model for gene expression dynamics of bacterial type II toxin-antitoxin systems. Scientific Reports, 2021, 11, 19516.	1.6	1
3	A hybrid model for the patent citation network structure. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123363.	1.2	5
4	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. PLoS ONE, 2020, 15, e0237304.	1.1	16
5	Chromosomal origin of replication coordinates logically distinct types of bacterial genetic regulation. Npj Systems Biology and Applications, 2020, 6, 5.	1.4	18
6	Dynamics of regional multilinks in research innovation temporal networks. Europhysics Letters, 2020, 130, 28001.	0.7	2
7	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
8	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
9	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
10	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
11	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
12	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
13	On the unphysical hypotheses in pharmacokinetics and oral drug absorption: Time to utilize instantaneous rate coefficients instead of rate constants. European Journal of Pharmaceutical Sciences, 2019, 130, 137-146.	1.9	4
14	The E. coli transcriptional regulatory network and its spatial embedding. European Physical Journal E, 2019, 42, 30.	0.7	3
15	Monte Carlo simulations in drug release. Journal of Pharmacokinetics and Pharmacodynamics, 2019, 46, 165-172.	0.8	11
16	On the dilemma of fractal or fractional kinetics in drug release studies: A comparison between Weibull and Mittag-Leffler functions. International Journal of Pharmaceutics, 2018, 543, 269-273.	2.6	32
17	NETWORK HETEROGENEITY AND NODE CAPACITY LEAD TO HETEROGENEOUS SCALING OF FLUCTUATIONS IN RANDOM WALKS ON GRAPHS. International Journal of Modeling, Simulation, and Scientific Computing, 2015, 18, 1550007.	0.9	3
18	Method for estimating critical exponents in percolation processes with low sampling. Physical Review E, 2014, 90, 062101.	0.8	9

#	ARTICLE	IF	CITATIONS
19	Explosive percolation: Unusual transitions of a simple model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 407, 54-65.	1.2	29
20	Explosive site percolation and finite-size hysteresis. <i>Physical Review E</i> , 2011, 84, 066112.	0.8	39
21	Percolation of spatially constraint networks. <i>Europhysics Letters</i> , 2011, 93, 68004.	0.7	41
22	Dimension of spatially embedded networks. <i>Nature Physics</i> , 2011, 7, 481-484.	6.5	205
23	Monte Carlo simulations and fractional kinetics considerations for the Higuchi equation. <i>International Journal of Pharmaceutics</i> , 2011, 418, 100-103.	2.6	13
24	Percolation of randomly distributed growing clusters: the low initial density regime. <i>European Physical Journal B</i> , 2011, 81, 303-307.	0.6	4
25	Percolation of randomly distributed growing clusters: Finite-size scaling and critical exponents for the square lattice. <i>Physical Review E</i> , 2010, 82, 041108.	0.8	18
26	A random matrix approach to language acquisition. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P12008.	0.9	1
27	Monte Carlo simulations of drug release from matrices with periodic layers of high and low diffusivity. <i>International Journal of Pharmaceutics</i> , 2008, 354, 111-116.	2.6	24
28	Structural properties of spatially embedded networks. <i>Europhysics Letters</i> , 2008, 82, 48005.	0.7	82
29	Monte Carlo simulations for the study of drug release from matrices with high and low diffusivity areas. <i>International Journal of Pharmaceutics</i> , 2007, 343, 166-172.	2.6	39
30	Propagation of confidential information on scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 699-707.	1.2	4
31	Evolution of vocabulary on scale-free and random networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 665-671.	1.2	17
32	On the spreading and localization of risky information in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 439-445.	1.2	6
33	On the use of the Weibull function for the discernment of drug release mechanisms. <i>International Journal of Pharmaceutics</i> , 2006, 309, 44-50.	2.6	593
34	Statistical mechanical approach to human language. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 366, 495-502.	1.2	26
35	Language time series analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 808-816.	1.2	29
36	Language evolution and population dynamics in a system of two interacting species. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 353, 595-612.	1.2	48

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37	Modeling and Monte Carlo Simulations in Oral Drug Absorption. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005, 96, 200-205.	1.2	17
38	Michaelis-Menten Kinetics under Spatially Constrained Conditions: Application to Mibefradil Pharmacokinetics. <i>Biophysical Journal</i> , 2004, 87, 1498-1506.	0.2	35
39	A reappraisal of drug release laws using Monte Carlo simulations: the prevalence of the Weibull function. <i>Pharmaceutical Research</i> , 2003, 20, 988-995.	1.7	177
40	Analysis of Case II drug transport with radial and axial release from cylinders. <i>International Journal of Pharmaceutics</i> , 2003, 254, 183-188.	2.6	67
41	Fractal kinetics in drug release from finite fractal matrices. <i>Journal of Chemical Physics</i> , 2003, 119, 6373-6377.	1.2	138