

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	On the use of the Weibull function for the discernment of drug release mechanisms. International Journal of Pharmaceutics, 2006, 309, 44-50.	2.6	593
2	Dimension of spatially embedded networks. Nature Physics, 2011, 7, 481-484.	6.5	205
3	A reappraisal of drug release laws using Monte Carlo simulations: the prevalence of the Weibull function. Pharmaceutical Research, 2003, 20, 988-995.	1.7	177
4	Fractal kinetics in drug release from finite fractal matrices. Journal of Chemical Physics, 2003, 119, 6373-6377.	1.2	138
5	Structural properties of spatially embedded networks. Europhysics Letters, 2008, 82, 48005.	0.7	82
6	Analysis of Case II drug transport with radial and axial release from cylinders. International Journal of Pharmaceutics, 2003, 254, 183-188.	2.6	67
7	Language evolution and population dynamics in a system of two interacting species. Physica A: Statistical Mechanics and Its Applications, 2005, 353, 595-612.	1.2	48
8	Percolation of spatially constraint networks. Europhysics Letters, 2011, 93, 68004.	0.7	41
9	Monte Carlo simulations for the study of drug release from matrices with high and low diffusivity areas. International Journal of Pharmaceutics, 2007, 343, 166-172.	2.6	39
10	Explosive site percolation and finite-size hysteresis. Physical Review E, 2011, 84, 066112.	0.8	39
11	Michaelis-Menten Kinetics under Spatially Constrained Conditions: Application to Mibefradil Pharmacokinetics. Biophysical Journal, 2004, 87, 1498-1506.	0.2	35
12	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
13	Language time series analysis. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 808-816.	1.2	29
14	Explosive percolation: Unusual transitions of a simple model. Physica A: Statistical Mechanics and Its Applications, 2014, 407, 54-65.	1.2	29
15	Statistical mechanical approach to human language. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 495-502.	1.2	26
16	Monte Carlo simulations of drug release from matrices with periodic layers of high and low diffusivity. International Journal of Pharmaceutics, 2008, 354, 111-116.	2.6	24
17	Percolation of randomly distributed growing clusters: Finite-size scaling and critical exponents for the square lattice. Physical Review E, 2010, 82, 041108.	0.8	18
18	Chromosomal origin of replication coordinates logically distinct types of bacterial genetic regulation. Npj Systems Biology and Applications, 2020, 6, 5.	1.4	18

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19	Modeling and Monte Carlo Simulations in Oral Drug Absorption. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005, 96, 200-205.	1.2	17
20	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
21	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. <i>PLoS ONE</i> , 2020, 15, e0237304.	1.1	16
22	Monte Carlo simulations and fractional kinetics considerations for the Higuchi equation. <i>International Journal of Pharmaceutics</i> , 2011, 418, 100-103.	2.6	13
23	Monte Carlo simulations in drug release. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2019, 46, 165-172.	0.8	11
24	Method for estimating critical exponents in percolation processes with low sampling. <i>Physical Review E</i> , 2014, 90, 062101.	0.8	9
25	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
26	A hybrid model for the patent citation network structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 541, 123363.	1.2	5
27	Propagation of confidential information on scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 699-707.	1.2	4
28	Percolation of randomly distributed growing clusters: the low initial density regime. <i>European Physical Journal B</i> , 2011, 81, 303-307.	0.6	4
29	On the unphysical hypotheses in pharmacokinetics and oral drug absorption: Time to utilize instantaneous rate coefficients instead of rate constants. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 130, 137-146.	1.9	4
30	NETWORK HETEROGENEITY AND NODE CAPACITY LEAD TO HETEROGENEOUS SCALING OF FLUCTUATIONS IN RANDOM WALKS ON GRAPHS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2015, 18, 1550007.	0.9	3
31	The E. coli transcriptional regulatory network and its spatial embedding. <i>European Physical Journal E</i> , 2019, 42, 30.	0.7	3
32	Dynamics of regional multilinks in research innovation temporal networks. <i>Europhysics Letters</i> , 2020, 130, 28001.	0.7	2
33	A random matrix approach to language acquisition. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P12008.	0.9	1
34	A minimal model for gene expression dynamics of bacterial type II toxin-antitoxin systems. <i>Scientific Reports</i> , 2021, 11, 19516.	1.6	1
35	The evolution of triangular research and innovation collaborations in the European area. <i>Journal of Informetrics</i> , 2021, 15, 101192.	1.4	0
36	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0

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37	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0
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41	A fractal kinetics SI model can explain the dynamics of COVID-19 epidemics. , 2020, 15, e0237304.		0