Antonio BrÃº

List of Publications by Year in descending order

25 papers	956 citations	759233 12 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	923 citing authors

#	Article	IF	Citations
1	The Universal Dynamics of Tumor Growth. Biophysical Journal, 2003, 85, 2948-2961.	0.5	343
2	Super-Rough Dynamics on Tumor Growth. Physical Review Letters, 1998, 81, 4008-4011.	7.8	193
3	Polymorphonuclear neutrophils and cancer: Intense and sustained neutrophilia as a treatment against solid tumors. Medicinal Research Reviews, 2011, 31, 311-363.	10.5	78
4	Pinning of Tumoral Growth by Enhancement of the Immune Response. Physical Review Letters, 2004, 92, 238101.	7.8	65
5	A new approach to automatic radiation spectrum analysis. IEEE Transactions on Nuclear Science, 1991, 38, 971-975.	2.0	53
6	Mathematical Modeling of Tuberculosis Bacillary Counts and Cellular Populations in the Organs of Infected Mice. PLoS ONE, 2010, 5, e12985.	2.5	39
7	Diffusion-controlled bimolecular reactions: Long- and intermediate-time regimes with imperfect trapping within a Galanin approach. Physical Review E, 1993, 48, 829-836.	2.1	28
8	Fractal analysis and tumour growth. Mathematical and Computer Modelling, 2008, 47, 546-559.	2.0	22
9	FROM THE PHYSICAL LAWS OF TUMOR GROWTH TO MODELLING CANCER PROCESSES. Mathematical Models and Methods in Applied Sciences, 2006, 16, 1199-1218.	3.3	20
10	The effect of pressure on the growth of tumour cell colonies. Journal of Theoretical Biology, 2006, 243, 171-180.	1.7	18
11	Tumour Cell Lines HT-29 and FaDu Produce Proinflammatory Cytokines and Activate Neutrophils In Vitro: Possible Applications for Neutrophil-Based Antitumour Treatment. Mediators of Inflammation, 2009, 2009, 1-13.	3.0	16
12	Experimental characterization of hydration and pinning in bentonite clay, a swelling, heterogeneous, porous medium. Geoderma, 2006, 134, 295-305.	5.1	15
13	Scaling in complex systems: a link between the dynamics of networks and growing interfaces. Scientific Reports, 2014, 4, 7550.	3.3	13
14	Long and intermediate time regimes in diffusion-limited reactions with imperfect trapping. Chaos, Solitons and Fractals, 1995, 6, 575-584.	5.1	8
15	Reply to Comments by Buceta and Galeano Regarding the Article â€œThe Universal Dynamics of Tumor Growthâ€. Biophysical Journal, 2005, 88, 3737-3738.	0.5	8
16	Computer simulations of the behaviour of the partial charge collection model in thick HgI2 Î³-detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 302, 91-104.	1.6	7
17	Anomalous scaling of multivalued interfaces. Europhysics Letters, 2003, 64, 620-626.	2.0	7
18	Tumor Growth in the Brain: Complexity and Fractality. Springer Series in Computational Neuroscience, 2016, , 351-369.	0.3	5

#	ARTICLE	IF	CITATIONS
19	An extended Moran process that captures the struggle for fitness. Mathematical Biosciences, 2019, 308, 81-104.	1.9	5
20	Design of a modified uniform redundant-array mask for portable gamma cameras. Applied Optics, 1992, 31, 4742.	2.1	4
21	Position-dependent expression of GADD45Î± in rat brain tumours. Medical Oncology, 2007, 24, 436-444.	2.5	3
22	Visibility to discern local from nonlocal dynamic processes. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 718-723.	2.6	3
23	Antitumoral effect of maintained neutrophilia induced by rhG-CSF in a murine model of pancreatic cancer. Scientific Reports, 2019, 9, 2879.	3.3	2
24	Study of tumor growth indicates the existence of an â€œimmunological thresholdâ€•separating states of pro- and antitumoral peritumoral inflammation. PLoS ONE, 2018, 13, e0202823.	2.5	1
25	Re: Clinical and Immunological Characteristics of Patients With Serologic Progression of Prostate Cancer Achieving Long-Term Disease Control With Granulocyte-Macrophage Colony-Stimulating Factor. Journal of Urology, 2007, 177, 1585-1586.	0.4	0