

# Paulo F A Mancera

## List of Publications by Year in descending order

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37  
papers

226  
citations

1039880

9  
h-index

1058333

14  
g-index

37  
all docs

37  
docs citations

37  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mathematical Model for Accessing Dengue Hemorrhagic Fever in Infants. Trends in Computational and Applied Mathematics, 2022, 23, 101-115.	0.2	1
2	Mathematical modelling, parameter estimation and computational simulation for skin wound healing under Copaiferalangsdorffi treatments. Computer Methods and Programs in Biomedicine, 2021, 199, 105915.	2.6	2
3	A fractional calculus model for HIV dynamics: real data, parameter estimation and computational strategies. Chaos, Solitons and Fractals, 2021, 152, 111398.	2.5	3
4	Sliding mode control in a mathematical model to chemoimmunotherapy: The occurrence of typical singularities. Applied Mathematics and Computation, 2020, 387, 124782.	1.4	6
5	Dynamics of tumor growth: chemotherapy and integrative oncology. Computational and Applied Mathematics, 2020, 39, 1.	1.0	2
6	A MATHEMATICAL MODEL FOR TREATMENT OF PAPILLARY THYROID CANCER USING THE ALLEE EFFECT. Journal of Biological Systems, 2020, 28, 701-718.	0.5	4
7	Mathematical model of an antiretroviral therapy to HIV via Filippov theory. Applied Mathematics and Computation, 2020, 387, 125179.	1.4	3
8	Maternal Passive Immunity and Dengue Hemorrhagic Fever in Infants. Bulletin of Mathematical Biology, 2020, 82, 24.	0.9	10
9	Stability analysis and numerical simulations via fractional calculus for tumor dormancy models. Communications in Nonlinear Science and Numerical Simulation, 2019, 72, 528-543.	1.7	7
10	Multichannel AC Biosusceptometry System to Map Biodistribution and Assess the Pharmacokinetic Profile of Magnetic Nanoparticles by Imaging. IEEE Transactions on Nanobioscience, 2019, 18, 456-462.	2.2	15
11	Mathematical models applied to thyroid cancer. Biophysical Reviews, 2019, 11, 183-189.	1.5	11
12	A mathematical model for chemoimmunotherapy of chronic lymphocytic leukemia. Applied Mathematics and Computation, 2019, 349, 118-133.	1.4	22
13	Unexpected behavior of Caputo fractional derivative. Computational and Applied Mathematics, 2017, 36, 1173-1183.	1.3	13
14	Focus Issue: CNMAC 2014. Computational and Applied Mathematics, 2017, 36, 1143-1144.	1.3	0
15	Understanding the antiangiogenic effect of metronomic chemotherapy through a simple mathematical model. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 251-266.	1.2	8
16	Evaluating the efficacies of Maximum Tolerated Dose and metronomic chemotherapies: A mathematical approach. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 145-156.	1.2	4
17	Application of a bounded upwinding scheme to complex fluid dynamics problems. Mathematical and Computer Modelling, 2013, 57, 435-459.	2.0	2
18	Mathematical analysis and simulations involving chemotherapy and surgery on large human tumours under a suitable cell-kill functional response. Mathematical Biosciences and Engineering, 2013, 10, 221-234.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Traveling waves in the Lethargic Crab Disease. Applied Mathematics and Computation, 2012, 218, 9898-9910.	1.4	6
20	Um modelo matemático em quimioterapia. TeMa, 2012, 13, 01-12.	0.1	6
21	Modelling the lethargic crab disease. Journal of Biological Dynamics, 2009, 3, 620-634.	0.8	6
22	Stochastic dynamics in exotic and native blowflies: an analysis combining laboratory experiments and a two-patch metapopulation model. Ecological Research, 2007, 22, 686-695.	0.7	13
23	Some experiments with high order compact methods using a computer algebra software – Part I. Applied Mathematics and Computation, 2006, 174, 775-794.	1.4	1
24	Some experiments with high order compact methods using a computer algebra software – Part II (non-uniform grid). Applied Mathematics and Computation, 2006, 180, 233-241.	1.4	3
25	Population dynamics of <i>Musca domestica</i> (Diptera: Muscidae): experimental and theoretical studies at different temperatures. Brazilian Archives of Biology and Technology, 2004, 47, 775-783.	0.5	6
26	A study of a numerical solution of the steady two dimensions Navier–Stokes equations in a constricted channel problem by a compact fourth order method. Applied Mathematics and Computation, 2003, 146, 771-790.	1.4	12
27	Population dynamics of <i>Lucilia eximia</i> (Dipt., Calliphoridae). Journal of Applied Entomology, 2003, 127, 2-6.	0.8	17
28	Modelo teórico e experimental da reciclagem do Carbono-13 em tecidos de mamíferos e aves. Scientia Agricola, 2002, 59, 29-33.	0.6	32
29	Um modelo matemático de câncer com quimioterapia e imunoterapia. , 0, , .		1
30	Modelo matemático de tratamento de câncer via quimioterapia em ciclos. , 0, , .		0
31	Modelo matemático simples de angiogênese tumoral com protocolos de quimioterapia. , 0, , .		0
32	Modelos Clássicos e Fracionários de Gompertz e Bertalanffy. , 0, , .		0
33	Método da Transformada Diferencial na Aplicação do Cálculo Fracionário em Dinâmica Tumoral. , 0, , .		0
34	Método da transformada diferencial generalizada no modelo fracionário de Malthus. CQD Revista Eletrônica Paulista De Matemática, 0, 10, 68-78.	0.0	0
35	Aplicabilidade do Método da Transformada Diferencial na Modelagem Fracionária. , 0, , .		0
36	Um Modelo Matemático Fracionário de Viroterapia no Tratamento de Tumores Agressivos. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	THE EFFECT OF LENVATINIB AND PEMBROLIZUMAB ON THYROID CANCER REFRACTORY TO IODINE 131I SIMULATED BY MATHEMATICAL MODELING. <i>Journal of Biological Systems</i> , 0, , 1-20.	0.5	0