

Anass Bouchnita

List of Publications by Citations

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Version: 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

271
citations

11
h-index

15
g-index

41
ext. papers

347
ext. citations

3.3
avg, IF

4.35
L-index

#	Paper	IF	Citations
38	A hybrid multi-scale model of COVID-19 transmission dynamics to assess the potential of non-pharmaceutical interventions. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109941	9.3	46
37	Hybrid approach to model the spatial regulation of T cell responses. <i>BMC Immunology</i> , 2017 , 18, 29	3.7	24
36	Bone marrow infiltration by multiple myeloma causes anemia by reversible disruption of erythropoiesis. <i>American Journal of Hematology</i> , 2016 , 91, 371-8	7.1	21
35	A multi-scale model quantifies the impact of limited movement of the population and mandatory wearing of face masks in containing the COVID-19 epidemic in Morocco. <i>Mathematical Modelling of Natural Phenomena</i> , 2020 , 15, 31	3	18
34	On the regimes of blood coagulation. <i>Applied Mathematics Letters</i> , 2016 , 51, 74-79	3.5	17
33	Reaction-diffusion waves of blood coagulation. <i>Mathematical Biosciences</i> , 2017 , 288, 130-139	3.9	16
32	Conditions of microvessel occlusion for blood coagulation in flow. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017 , 33, e2850	2.6	15
31	Towards a Multiscale Model of Acute HIV Infection. <i>Computation</i> , 2017 , 5, 6	2.2	14
30	Modeling of the effects of IL-17 and TNF- β n endothelial cells and thrombus growth. <i>Comptes Rendus - Biologies</i> , 2017 , 340, 456-473	1.4	13
29	A Hybrid Computation Model to Describe the Progression of Multiple Myeloma and Its Intra-Clonal Heterogeneity. <i>Computation</i> , 2017 , 5, 16	2.2	12
28	A multiscale model of platelet-fibrin thrombus growth in the flow. <i>Computers and Fluids</i> , 2019 , 184, 10-20.8		11
27	A mathematical model to quantify the effects of platelet count, shear rate, and injury size on the initiation of blood coagulation under venous flow conditions. <i>PLoS ONE</i> , 2020 , 15, e0235392	3.7	9
26	Influence of Antithrombin on the Regimes of Blood Coagulation: Insights from the Mathematical Model. <i>Acta Biotheoretica</i> , 2016 , 64, 327-342	1.1	8
25	Mathematical Modeling Reveals That the Administration of EGF Can Promote the Elimination of Lymph Node Metastases by PD-1/PD-L1 Blockade. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 104	5.8	6
24	An Individualized Blood Coagulation Model to Predict INR Therapeutic Range During Warfarin Treatment. <i>Mathematical Modelling of Natural Phenomena</i> , 2016 , 11, 28-44	3	6
23	Traveling wave solutions in the mathematical model of blood coagulation. <i>Applicable Analysis</i> , 2017 , 96, 2891-2905	0.8	5
22	Patient-Specific Modelling of Blood Coagulation. <i>Bulletin of Mathematical Biology</i> , 2021 , 83, 50	2.1	5

21	Spatial Lymphocyte Dynamics in Lymph Nodes Predicts the Cytotoxic T Cell Frequency Needed for HIV Infection Control. <i>Frontiers in Immunology</i> , 2019 , 10, 1213	8.4	4
20	Multi-scale Modelling of Erythropoiesis and Hemoglobin Production. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 1362-1379	3.2	4
19	Impact of Force Function Formulations on the Numerical Simulation of Centre-Based Models. <i>Bulletin of Mathematical Biology</i> , 2020 , 82, 132	2.1	4
18	A multiscale model to design therapeutic strategies that overcome drug resistance to tyrosine kinase inhibitors in multiple myeloma. <i>Mathematical Biosciences</i> , 2020 , 319, 108293	3.9	3
17	Initiation of erythropoiesis by BFU-E cells. <i>ITM Web of Conferences</i> , 2015 , 4, 01002	0.1	2
16	Effects of Bone Marrow Infiltration By Multiple Myeloma on Erythropoiesis. <i>Blood</i> , 2015 , 126, 2143-2143	2.2	2
15	Multiphase continuum modeling of thrombosis in aneurysms and recirculation zones. <i>Physics of Fluids</i> , 2021 , 33, 093314	4.4	2
14	A 3D Multiscale Model to Explore the Role of EGFR Overexpression in Tumourigenesis. <i>Bulletin of Mathematical Biology</i> , 2019 , 81, 2323-2344	2.1	1
13	Mathematics of Pharmacokinetics and Pharmacodynamics: Diversity of Topics, Models and Methods. <i>Mathematical Modelling of Natural Phenomena</i> , 2016 , 11, 1-8	3	1
12	Mathematical Modeling Predicts That Strict Social Distancing Measures Would Be Needed to Shorten the Duration of Waves of COVID-19 Infections in Vietnam. <i>Frontiers in Public Health</i> , 2020 , 8, 559693	6	1
11	Living in darkness: Exploring adaptation of Proteus anguinus in 3 dimensions by X-ray imaging.. <i>GigaScience</i> , 2022 , 11,	7.6	1
10	Blood Clotting Decreases Pulmonary Circulation during the Coronavirus Disease. <i>Mathematics</i> , 2021 , 9, 2401	2.3	0
9	Combining mathematical modelling and deep learning to make rapid and explainable predictions of the patient-specific response to anticoagulant therapy under venous flow.. <i>Mathematical Biosciences</i> , 2022 , 108830	3.9	0
8	Normal erythropoiesis and development of multiple myeloma. <i>ITM Web of Conferences</i> , 2015 , 5, 00008	0.1	
7	Hybrid models in biomedical applications. <i>Computer Research and Modeling</i> , 2019 , 11, 287-309	1	
6	A mathematical model to quantify the effects of platelet count, shear rate, and injury size on the initiation of blood coagulation under venous flow conditions 2020 , 15, e0235392		
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- 2 A mathematical model to quantify the effects of platelet count, shear rate, and injury size on the initiation of blood coagulation under venous flow conditions **2020**, 15, e0235392
- 1 A mathematical model to quantify the effects of platelet count, shear rate, and injury size on the initiation of blood coagulation under venous flow conditions **2020**, 15, e0235392