

# Anass Bouchnita

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3702527/publications.pdf>

Version: 2024-02-01

38  
papers

429  
citations

777949

13  
h-index

889612

19  
g-index

41  
all docs

41  
docs citations

41  
times ranked

381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Living in darkness: Exploring adaptation of <i>Proteus anguinus</i> in 3 dimensions by X-ray imaging. GigaScience, 2022, 11, .	3.3	2
2	Combining mathematical modelling and deep learning to make rapid and explainable predictions of the patient-specific response to anticoagulant therapy under venous flow. Mathematical Biosciences, 2022, , 108830.	0.9	3
3	Patient-Specific Modelling of Blood Coagulation. Bulletin of Mathematical Biology, 2021, 83, 50.	0.9	10
4	Blood Clotting Decreases Pulmonary Circulation during the Coronavirus Disease. Mathematics, 2021, 9, 2401.	1.1	3
5	Multiphase continuum modeling of thrombosis in aneurysms and recirculation zones. Physics of Fluids, 2021, 33, .	1.6	12
6	A multiscale model to design therapeutic strategies that overcome drug resistance to tyrosine kinase inhibitors in multiple myeloma. Mathematical Biosciences, 2020, 319, 108293.	0.9	6
7	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. PLoS ONE, 2020, 15, e0235392.	1.1	18
8	Impact of Force Function Formulations on the Numerical Simulation of Centre-Based Models. Bulletin of Mathematical Biology, 2020, 82, 132.	0.9	10
9	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. Mathematical Modelling of Natural Phenomena, 2020, 15, 31.	0.9	29
10	A hybrid multi-scale model of COVID-19 transmission dynamics to assess the potential of non-pharmaceutical interventions. Chaos, Solitons and Fractals, 2020, 138, 109941.	2.5	88
11	Mathematical Modeling Predicts That Strict Social Distancing Measures Would Be Needed to Shorten the Duration of Waves of COVID-19 Infections in Vietnam. Frontiers in Public Health, 2020, 8, 559693.	1.3	10
12	Title is missing!. , 2020, 15, e0235392.		0
13	Title is missing!. , 2020, 15, e0235392.		0
14	Title is missing!. , 2020, 15, e0235392.		0
15	Title is missing!. , 2020, 15, e0235392.		0
16	Title is missing!. , 2020, 15, e0235392.		0
17	Title is missing!. , 2020, 15, e0235392.		0
18	Spatial Lymphocyte Dynamics in Lymph Nodes Predicts the Cytotoxic T Cell Frequency Needed for HIV Infection Control. Frontiers in Immunology, 2019, 10, 1213.	2.2	7

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19	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.	2.0	17
20	A 3D Multiscale Model to Explore the Role of EGFR Overexpression in Tumourigenesis. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 2323-2344.	0.9	2
21	A multiscale model of platelet-fibrin thrombus growth in the flow. <i>Computers and Fluids</i> , 2019, 184, 10-20.	1.3	16
22	Hybrid models in biomedical applications. <i>Computer Research and Modeling</i> , 2019, 11, 287-309.	0.2	0
23	Conditions of microvessel occlusion for blood coagulation in flow. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017, 33, e2850.	1.0	19
24	Reaction-diffusion waves of blood coagulation. <i>Mathematical Biosciences</i> , 2017, 288, 130-139.	0.9	19
25	Hybrid approach to model the spatial regulation of T cell responses. <i>BMC Immunology</i> , 2017, 18, 29.	0.9	29
26	Traveling wave solutions in the mathematical model of blood coagulation. <i>Applicable Analysis</i> , 2017, 96, 2891-2905.	0.6	7
27	Modeling of the effects of IL-17 and TNF- $\alpha$ on endothelial cells and thrombus growth. <i>Comptes Rendus - Biologies</i> , 2017, 340, 456-473.	0.1	19
28	Towards a Multiscale Model of Acute HIV Infection. <i>Computation</i> , 2017, 5, 6.	1.0	17
29	A Hybrid Computation Model to Describe the Progression of Multiple Myeloma and Its Intra-Clonal Heterogeneity. <i>Computation</i> , 2017, 5, 16.	1.0	15
30	Influence of Antithrombin on the Regimes of Blood Coagulation: Insights from the Mathematical Model. <i>Acta Biotheoretica</i> , 2016, 64, 327-342.	0.7	8
31	Bone marrow infiltration by multiple myeloma causes anemia by reversible disruption of erythropoiesis. <i>American Journal of Hematology</i> , 2016, 91, 371-378.	2.0	28
32	Multi-scale Modelling of Erythropoiesis and Hemoglobin Production. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1362-1379.	1.9	6
33	Mathematics of Pharmacokinetics and Pharmacodynamics: Diversity of Topics, Models and Methods. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 1-8.	0.9	1
34	An Individualized Blood Coagulation Model to Predict INR Therapeutic Range During Warfarin Treatment. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 28-44.	0.9	7
35	On the regimes of blood coagulation. <i>Applied Mathematics Letters</i> , 2016, 51, 74-79.	1.5	17
36	Normal erythropoiesis and development of multiple myeloma. <i>ITM Web of Conferences</i> , 2015, 5, 00008.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Initiation of erythropoiesis by BFU-E cells. ITM Web of Conferences, 2015, 4, 01002.	0.4	2
38	Effects of Bone Marrow Infiltration By Multiple Myeloma on Erythropoiesis. Blood, 2015, 126, 2143-2143.	0.6	2