

Ester Tellone

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,113
citations

394421

19
h-index

414414

32
g-index

52
all docs

52
docs citations

52
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemoglobin glycation increases the electric charges on red blood cells: Effects of dielectric polarization. <i>Materials Chemistry and Physics</i> , 2022, 276, 125348.	4.0	2
2	Biotechnological Applications and Health-Promoting Properties of Flavonols: An Updated View. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1710.	4.1	26
3	Implication of COVID-19 on Erythrocytes Functionality: Red Blood Cell Biochemical Implications and Morpho-Functional Aspects. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2171.	4.1	39
4	A deep insight into the magnetic properties of cobalt ferrite by non-equilibrium thermodynamics with internal variables. <i>Physica B: Condensed Matter</i> , 2022, 633, 413778.	2.7	1
5	Thermodynamic Characterization of Red Blood Cell Suspension and Band 3 Protein Oxy-Deoxygenating Functionality: Comparative Study. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2021, 46, 121-137.	4.2	0
6	A thermodynamic characterization of the phenomena evolving in cancer pathology by dielectric relaxation in blood: A new approach by construction of TTM (Thermodynamic Tumor Matrix). <i>Journal of Molecular Liquids</i> , 2020, 316, 113839.	4.9	4
7	Thermodynamics Characterization of Lung Carcinoma, Entropic Study and Metabolic Correlations. <i>Fluids</i> , 2020, 5, 164.	1.7	2
8	Anion exchanger functionality and thermodynamic characterization of chicken erythrocytes. <i>Journal of Molecular Liquids</i> , 2020, 307, 112966.	4.9	0
9	Reviewing Biochemical Implications of Normal and Mutated Huntingtin in Huntington's Disease. <i>Current Medicinal Chemistry</i> , 2020, 27, 5137-5158.	2.4	5
10	Electromagnetic waves propagation in normal and pathological hemoglobins: Thermodynamic comparative study of the influence of the relative macromolecular variability. <i>Journal of Molecular Liquids</i> , 2019, 291, 111319.	4.9	6
11	A New Model for Thermodynamic Characterization of Hemoglobin. <i>Fluids</i> , 2019, 4, 135.	1.7	10
12	A new model with internal variables for theoretical thermodynamic characterization of hemoglobin: Entropy determination and comparative study. <i>Journal of Molecular Liquids</i> , 2019, 279, 632-639.	4.9	8
13	Thermodynamic characterization of RBCs highlights correlations between different hemoglobin types and Band 3 interactions. <i>Journal of Molecular Liquids</i> , 2019, 296, 112070.	4.9	0
14	Phenomenological approach on electromagnetic waves propagation in normal and diabetic blood, influence of the relative macromolecular structures. <i>Journal of Molecular Liquids</i> , 2019, 274, 577-583.	4.9	9
15	Resveratrol. , 2019, , 107-110.		1
16	Protective Effects of the Caffeine Against Neurodegenerative Diseases. <i>Current Medicinal Chemistry</i> , 2019, 26, 5137-5151.	2.4	19
17	Is a dangerous blood clot formation a reversible process? Introduction of new characteristic parameter for thermodynamic clot blood characterization: Possible molecular mechanisms and pathophysiologic applications. <i>Journal of Molecular Liquids</i> , 2018, 262, 345-353.	4.9	11
18	Expanding the Repertoire of Dielectric Fractional Models: A Comprehensive Development and Functional Applications to Predict Metabolic Alterations in Experimentally-Inaccessible Cells or Tissues. <i>Fluids</i> , 2018, 3, 9.	1.7	13

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19	Molecular characterization of a peculiar blood clot fluidification by theoretical thermodynamic models and entropy production study. <i>Journal of Molecular Liquids</i> , 2018, 265, 457-462.	4.9	9
20	Rheological properties of human blood in the network of non-equilibrium thermodynamic with internal variables by means of ultrasound wave perturbation. <i>Journal of Molecular Liquids</i> , 2017, 231, 206-212.	4.9	13
21	Neuroprotective effects of phloretin and its glycosylated derivative on rotenone-induced toxicity in human neuronal-like cells. <i>BioFactors</i> , 2017, 43, 549-557.	5.4	52
22	Neuroprotective effects of honokiol: from chemistry to medicine. <i>BioFactors</i> , 2017, 43, 760-769.	5.4	57
23	A New Non-Equilibrium Thermodynamic Fractional Visco-Inelastic Model to Predict Experimentally Inaccessible Processes and Investigate Pathophysiological Cellular Structures. <i>Fluids</i> , 2017, 2, 59.	1.7	13
24	Alterations in Red Blood Cell Functionality Induced by an Indole Scaffold Containing a Y-Iminodiketone Moiety: Potential Antiproliferative Conditions. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	4.0	3
25	Short-Term Effects of Chlorpromazine on Oxidative Stress in Erythrocyte Functionality: Activation of Metabolism and Membrane Perturbation. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	4.0	15
26	On evaluation of electric conductivity by mean of non equilibrium thermodynamic approach with internal variables. An application to human erythrocyte suspension for metabolic characterizations. <i>Journal of Molecular Liquids</i> , 2016, 224, 1181-1188.	4.9	14
27	Involvement of acetylcholinesterase and protein kinase C in the protective effect of caffeine against β -amyloid-induced alterations in red blood cells. <i>Biochimie</i> , 2016, 121, 52-59.	2.6	32
28	Insights into the properties of the two enantiomers of trans- γ -viniferin, a resveratrol derivative: antioxidant activity, biochemical and molecular modeling studies of its interactions with hemoglobin. <i>Molecular BioSystems</i> , 2016, 12, 1276-1286.	2.9	23
29	How does resveratrol influence the genesis of some neurodegenerative diseases?. <i>Neural Regeneration Research</i> , 2016, 11, 86.	3.0	7
30	Resveratrol: A Focus on Several Neurodegenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14.	4.0	128
31	A new erythrocyte-based biochemical approach to predict the antiproliferative effects of heterocyclic scaffolds: The case of indolone. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 73-79.	2.4	8
32	Dielectric Properties of Human Normal and Malignant Liver Tissue: A Non-Equilibrium Thermodynamics Approach. <i>Open Access Library Journal (oalib)</i> , 2015, 02, 1-12.	0.2	6
33	Molecular interactions of hemoglobin with resveratrol: potential protective antioxidant role and metabolic adaptations of the erythrocyte. <i>Biological Chemistry</i> , 2014, 395, 347-354.	2.5	19
34	NO Metabolites Levels in Human Red Blood Cells are Affected by Palytoxin, an Inhibitor of Na ⁺ /K ⁺ -ATPase Pump. <i>The Open Biochemistry Journal</i> , 2014, 8, 68-73.	0.5	0
35	Antiepileptic carbamazepine drug treatment induces alteration of membrane in red blood cells: Possible positive effects on metabolism and oxidative stress. <i>Biochimie</i> , 2013, 95, 833-841.	2.6	24
36	Low frequency dielectric characteristics of human blood: A non-equilibrium thermodynamic approach. <i>Journal of Molecular Liquids</i> , 2013, 188, 113-119.	4.9	29

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37	Myelin basic protein: Structural characterization of spherulites formation and preventive action of trehalose. <i>International Journal of Biological Macromolecules</i> , 2013, 57, 63-68.	7.5	11
38	Spectroscopic Determination of Lysozyme Conformational Changes in the Presence of Trehalose and Guanidine. <i>Cell Biochemistry and Biophysics</i> , 2013, 66, 297-307.	1.8	6
39	Caffeine inhibits erythrocyte membrane derangement by antioxidant activity and by blocking caspase 3 activation. <i>Biochimie</i> , 2012, 94, 393-402.	2.6	30
40	Evaluation of the antioxidant and cytoprotective properties of the exotic fruit <i>Annona cherimola</i> Mill. (Annonaceae). <i>Food Research International</i> , 2011, 44, 2302-2310.	6.2	60
41	Palytoxin Induces Functional Changes of Anion Transport in Red Blood Cells: Metabolic Impact. <i>Journal of Membrane Biology</i> , 2011, 242, 31-39.	2.1	6
42	Anti-aggregation properties of trehalose on heat-induced secondary structure and conformation changes of bovine serum albumin. <i>Biophysical Chemistry</i> , 2010, 147, 146-152.	2.8	59
43	Resveratrol treatment induces redox stress in red blood cells: a possible role of caspase 3 in metabolism and anion transport. <i>Biological Chemistry</i> , 2010, 391, 1057-65.	2.5	32
44	Influence of l-rhamnosyl-d-glucosyl derivatives on properties and biological interaction of flavonoids. <i>Molecular and Cellular Biochemistry</i> , 2009, 321, 165-171.	3.1	71
45	Derangement of Erythrocytic AE1 in Beta-Thalassemia by Caspase 3: Pathogenic Mechanisms and Implications in Red Blood Cell Senescence. <i>Journal of Membrane Biology</i> , 2009, 228, 43-49.	2.1	26
46	Influences of Flavonoids on Erythrocyte Membrane and Metabolic Implication Through Anionic Exchange Modulation. <i>Journal of Membrane Biology</i> , 2009, 230, 163-171.	2.1	48
47	Oxidative Effects of Gemfibrozil on Anion Influx and Metabolism in Normal and Beta-Thalassemic Erythrocytes: Physiological Implications. <i>Journal of Membrane Biology</i> , 2008, 224, 1-8.	2.1	19
48	Amyloid peptide inhibits ATP release from human erythrocytes. <i>Biochemistry and Cell Biology</i> , 2008, 86, 501-508.	2.0	29
49	Influences of temperature and threshold effect of NaCl concentration on <i>Alpias vulpinus</i> OCT. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 474-480.	7.5	14
50	Band-3 protein function in human erythrocytes: effect of oxygenationâ€“deoxygenation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 214-218.	2.6	43
51	Glycated human hemoglobin (HbA1c): functional characteristics and molecular modeling studies. <i>Biophysical Chemistry</i> , 1998, 72, 323-335.	2.8	51