

Etheresia Pretorius

List of Publications by Year in descending order

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Version: 2024-02-01

389
papers

23,533
citations

13827

67
h-index

11288

136
g-index

425
all docs

425
docs citations

425
times ranked

26838
citing authors

#	ARTICLE	IF	CITATIONS
1	Procedures for large-scale metabolic profiling of serum and plasma using gas chromatography and liquid chromatography coupled to mass spectrometry. <i>Nature Protocols</i> , 2011, 6, 1060-1083.	5.5	2,236
2	A community-driven global reconstruction of human metabolism. <i>Nature Biotechnology</i> , 2013, 31, 419-425.	9.4	920
3	The Systems Biology Graphical Notation. <i>Nature Biotechnology</i> , 2009, 27, 735-741.	9.4	828
4	Statistical strategies for avoiding false discoveries in metabolomics and related experiments. <i>Metabolomics</i> , 2007, 2, 171-196.	1.4	658
5	A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology. <i>Nature Biotechnology</i> , 2008, 26, 1155-1160.	9.4	530
6	Pulsatile Stimulation Determines Timing and Specificity of NF- κ B-Dependent Transcription. <i>Science</i> , 2009, 324, 242-246.	6.0	510
7	Viability and activity in readily culturable bacteria: a review and discussion of the practical issues. <i>Antonie Van Leeuwenhoek</i> , 1998, 73, 169-187.	0.7	500
8	Here is the evidence, now what is the hypothesis? The complementary roles of inductive and hypothesis-driven science in the post-genomic era. <i>BioEssays</i> , 2004, 26, 99-105.	1.2	451
9	Serum ferritin is an important inflammatory disease marker, as it is mainly a leakage product from damaged cells. <i>Metallomics</i> , 2014, 6, 748-773.	1.0	442
10	Microbes and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 979-984.	1.2	426
11	Iron behaving badly: inappropriate iron chelation as a major contributor to the aetiology of vascular and other progressive inflammatory and degenerative diseases. <i>BMC Medical Genomics</i> , 2009, 2, 2.	0.7	421
12	Carrier-mediated cellular uptake of pharmaceutical drugs: an exception or the rule?. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 205-220.	21.5	413
13	The dormant blood microbiome in chronic, inflammatory diseases. <i>FEMS Microbiology Reviews</i> , 2015, 39, 567-591.	3.9	362
14	Towards a unifying, systems biology understanding of large-scale cellular death and destruction caused by poorly liganded iron: Parkinson's, Huntington's, Alzheimer's, prions, bactericides, chemical toxicology and others as examples. <i>Archives of Toxicology</i> , 2010, 84, 825-889.	1.9	330
15	Synthetic biology for the directed evolution of protein biocatalysts: navigating sequence space intelligently. <i>Chemical Society Reviews</i> , 2015, 44, 1172-1239.	18.7	316
16	Dormancy in non-sporulating bacteria. <i>FEMS Microbiology Letters</i> , 1993, 104, 271-286.	0.7	286
17	Persistent clotting protein pathology in Long COVID/Post-Acute Sequelae of COVID-19 (PASC) is accompanied by increased levels of antiplasmin. <i>Cardiovascular Diabetology</i> , 2021, 20, 172.	2.7	271
18	A family of autocrine growth factors in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2002, 46, 623-635.	1.2	254

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19	The Biology of Lactoferrin, an Iron-Binding Protein That Can Help Defend Against Viruses and Bacteria. <i>Frontiers in Immunology</i> , 2020, 11, 1221.	2.2	251
20	Effects of IL-1 β , IL-6 and IL-8 on erythrocytes, platelets and clot viscoelasticity. <i>Scientific Reports</i> , 2016, 6, 32188.	1.6	244
21	Recon 2.2: from reconstruction to model of human metabolism. <i>Metabolomics</i> , 2016, 12, 109.	1.4	243
22	Dielectric permittivity of microbial suspensions at radio frequencies: a novel method for the real-time estimation of microbial biomass. <i>Enzyme and Microbial Technology</i> , 1987, 9, 181-186.	1.6	242
23	Dormancy in Stationary-Phase Cultures of <i>Micrococcus luteus</i> : Flow Cytometric Analysis of Starvation and Resuscitation. <i>Applied and Environmental Microbiology</i> , 1993, 59, 3187-3196.	1.4	239
24	Large-scale sequestration of atmospheric carbon via plant roots in natural and agricultural ecosystems: why and how. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1589-1597.	1.8	217
25	Muralytic activity of <i>Micrococcus luteus</i> Rpf and its relationship to physiological activity in promoting bacterial growth and resuscitation. <i>Molecular Microbiology</i> , 2006, 59, 84-98.	1.2	193
26	Membrane transporter engineering in industrial biotechnology and whole cell biocatalysis. <i>Trends in Biotechnology</i> , 2015, 33, 237-246.	4.9	167
27	Direct and indirect cellular effects of aspartame on the brain. <i>European Journal of Clinical Nutrition</i> , 2008, 62, 451-462.	1.3	163
28	A Comprehensive Review on Eryptosis. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 1977-2000.	1.1	163
29	Metabolic control theory: its role in microbiology and biotechnology. <i>FEMS Microbiology Letters</i> , 1986, 39, 305-320.	0.7	162
30	Pharmaceutical drug transport: the issues and the implications that it is essentially carrier-mediated only. <i>Drug Discovery Today</i> , 2011, 16, 704-714.	3.2	160
31	The rpf gene of <i>Micrococcus luteus</i> encodes an essential secreted growth factor. <i>Molecular Microbiology</i> , 2002, 46, 611-621.	1.2	157
32	Activated intestinal macrophages in patients with cirrhosis release NO and IL-6 that may disrupt intestinal barrier function. <i>Journal of Hepatology</i> , 2013, 58, 1125-1132.	1.8	153
33	Changes in red blood cell membrane structure in type 2 diabetes: a scanning electron and atomic force microscopy study. <i>Cardiovascular Diabetology</i> , 2013, 12, 25.	2.7	152
34	Metabolomics, modelling and machine learning in systems biology - towards an understanding of the languages of cells. Delivered on 3 July 2005 at the 30th FEBS Congress and 9th IUBMB conference in Budapest. <i>FEBS Journal</i> , 2006, 273, 873-894.	2.2	142
35	Metabolomics and systems pharmacology: why and how to model the human metabolic network for drug discovery. <i>Drug Discovery Today</i> , 2014, 19, 171-182.	3.2	140
36	On the translocation of bacteria and their lipopolysaccharides between blood and peripheral locations in chronic, inflammatory diseases: the central roles of LPS and LPS-induced cell death. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 1339-1377.	0.6	140

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37	How drugs get into cells: tested and testable predictions to help discriminate between transporter-mediated uptake and lipoidal bilayer diffusion. <i>Frontiers in Pharmacology</i> , 2014, 5, 231.	1.6	136
38	Covid-19: The Rollercoaster of Fibrin(Ogen), D-Dimer, Von Willebrand Factor, P-Selectin and Their Interactions with Endothelial Cells, Platelets and Erythrocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5168.	1.8	135
39	Quantifying heterogeneity: flow cytometry of bacterial cultures. <i>Antonie Van Leeuwenhoek</i> , 1991, 60, 145-158.	0.7	134
40	The promiscuous binding of pharmaceutical drugs and their transporter-mediated uptake into cells: what we (need to) know and how we can do so. <i>Drug Discovery Today</i> , 2013, 18, 218-239.	3.2	130
41	Influence of Viable Cells on the Resuscitation of Dormant Cells in <i>Micrococcus luteus</i> Cultures Held in an Extended Stationary Phase: the Population Effect. <i>Applied and Environmental Microbiology</i> , 1994, 60, 3284-3291.	1.4	129
42	Diagnostic morphology: biophysical indicators for iron-driven inflammatory diseases. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 486-510.	0.6	127
43	A central role for amyloid fibrin microclots in long COVID/PASC: origins and therapeutic implications. <i>Biochemical Journal</i> , 2022, 479, 537-559.	1.7	126
44	The biology of ergothioneine, an antioxidant nutraceutical. <i>Nutrition Research Reviews</i> , 2020, 33, 190-217.	2.1	122
45	Bacterial dormancy and culturability: the role of autocrine growth factors Commentary. <i>Current Opinion in Microbiology</i> , 2000, 3, 238-243.	2.3	118
46	Estimation of dormant <i>Micrococcus luteus</i> cells by penicillin lysis and by resuscitation in cell-free spent culture medium at high dilution. <i>FEMS Microbiology Letters</i> , 1994, 115, 347-352.	0.7	107
47	Investigation into the usability of geometric morphometric analysis in assessment of sexual dimorphism. <i>American Journal of Physical Anthropology</i> , 2006, 129, 64-70.	2.1	104
48	SARS-CoV-2 spike protein S1 induces fibrin(ogen) resistant to fibrinolysis: implications for microclot formation in COVID-19. <i>Bioscience Reports</i> , 2021, 41, .	1.1	104
49	Primary and secondary coenzyme Q10 deficiency: the role of therapeutic supplementation. <i>Nutrition Reviews</i> , 2013, 71, 180-188.	2.6	103
50	A phylogenetic analysis of dung beetles (Scarabaeinae : Scarabaeidae): unrolling an evolutionary history. <i>Invertebrate Systematics</i> , 2004, 18, 53.	0.5	101
51	The use of 5-cyano-2,3-ditoyl tetrazolium chloride and flow cytometry for the visualisation of respiratory activity in individual cells of <i>Micrococcus luteus</i> . <i>Journal of Microbiological Methods</i> , 1993, 17, 115-122.	0.7	98
52	Inflammatory cytokines in type 2 diabetes mellitus as facilitators of hypercoagulation and abnormal clot formation. <i>Cardiovascular Diabetology</i> , 2019, 18, 72.	2.7	98
53	Finding novel pharmaceuticals in the systems biology era using multiple effective drug targets, phenotypic screening and knowledge of transporters: where drug discovery went wrong and how to fix it. <i>FEBS Journal</i> , 2013, 280, 5957-5980.	2.2	95
54	The metabolome 18 years on: a concept comes of age. <i>Metabolomics</i> , 2016, 12, 148.	1.4	95

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55	The inflammatory effects of TNF- α and complement component 3 on coagulation. <i>Scientific Reports</i> , 2018, 8, 1812.	1.6	95
56	No effects without causes: the Iron Dysregulation and Dormant Microbes hypothesis for chronic, inflammatory diseases. <i>Biological Reviews</i> , 2018, 93, 1518-1557.	4.7	92
57	Adoption of the transiently non-culturable state "a bacterial survival strategy?". <i>Advances in Microbial Physiology</i> , 2003, 47, 65-129.	1.0	89
58	GMP "good modelling practice: an essential component of good manufacturing practice. <i>Trends in Biotechnology</i> , 1995, 13, 481-492.	4.9	88
59	Pheromones, social behaviour and the functions of secondary metabolism in bacteria. <i>Trends in Ecology and Evolution</i> , 1995, 10, 126-129.	4.2	87
60	Bacterial Dysbiosis and Translocation in Psoriasis Vulgaris. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 7.	1.8	86
61	Eryptosis as a marker of Parkinson's disease. <i>Aging</i> , 2014, 6, 788-819.	1.4	84
62	A "rule of 0.5" for the metabolite-likeness of approved pharmaceutical drugs. <i>Metabolomics</i> , 2015, 11, 323-339.	1.4	84
63	Platelet activity and hypercoagulation in type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2018, 17, 141.	2.7	80
64	Revisiting the safety of aspartame. <i>Nutrition Reviews</i> , 2017, 75, 718-730.	2.6	76
65	Parkinson's Disease: A Systemic Inflammatory Disease Accompanied by Bacterial Inflammagens. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 210.	1.7	76
66	Acute induction of anomalous and amyloidogenic blood clotting by molecular amplification of highly substoichiometric levels of bacterial lipopolysaccharide. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160539.	1.5	74
67	Viscoelastic and ultrastructural characteristics of whole blood and plasma in Alzheimer-type dementia, and the possible role of bacterial lipopolysaccharides (LPS). <i>Oncotarget</i> , 2015, 6, 35284-35303.	0.8	74
68	Oscillatory, stochastic and chaotic growth rate fluctuations in permissively controlled yeast cultures. <i>BioSystems</i> , 1996, 39, 43-61.	0.9	73
69	The simultaneous occurrence of both hypercoagulability and hypofibrinolysis in blood and serum during systemic inflammation, and the roles of iron and fibrin(ogen). <i>Integrative Biology (United States)</i> 10.1039/c4ib00014a	1.4	73
70	Platelets: emerging facilitators of cellular crosstalk in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2019, 15, 237-248.	3.5	73
71	Obesity, Hypertension and Hypercholesterolemia as Risk Factors for Atherosclerosis Leading to Ischemic Events. <i>Current Medicinal Chemistry</i> , 2014, 21, 2121-2129.	1.2	73
72	On resuscitation from the dormant state of <i>Micrococcus luteus</i> . <i>Antonie Van Leeuwenhoek</i> , 1998, 73, 237-243.	0.7	72

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73	Geometric morphometric analysis of the greater sciatic notch in South Africans. <i>HOMO- Journal of Comparative Human Biology</i> , 2004, 54, 197-206.	0.3	72
74	Poorly controlled type 2 diabetes is accompanied by significant morphological and ultrastructural changes in both erythrocytes and in thrombin-generated fibrin: implications for diagnostics. <i>Cardiovascular Diabetology</i> , 2015, 14, 30.	2.7	72
75	Erythrocytes and their role as health indicator: Using structure in a patient-orientated precision medicine approach. <i>Blood Reviews</i> , 2016, 30, 263-274.	2.8	72
76	Major involvement of bacterial components in rheumatoid arthritis and its accompanying oxidative stress, systemic inflammation and hypercoagulability. <i>Experimental Biology and Medicine</i> , 2017, 242, 355-373.	1.1	72
77	Serum amyloid A binds to fibrin(ogen), promoting fibrin amyloid formation. <i>Scientific Reports</i> , 2019, 9, 3102.	1.6	71
78	Erythrocyte, Platelet, Serum Ferritin, and P-Selectin Pathophysiology Implicated in Severe Hypercoagulation and Vascular Complications in COVID-19. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8234.	1.8	70
79	Subjective visual evaluation vs. traditional and geometric morphometrics in species delimitation: a comparison of moth genitalia. <i>Systematic Entomology</i> , 2007, 32, 371-386.	1.7	69
80	The Role of Lipopolysaccharide-Induced Cell Signalling in Chronic Inflammation. <i>Chronic Stress</i> , 2022, 6, 247054702210763.	1.7	68
81	A Dormant Microbial Component in the Development of Preeclampsia. <i>Frontiers in Medicine</i> , 2016, 3, 60.	1.2	64
82	Proteins behaving badly. Substoichiometric molecular control and amplification of the initiation and nature of amyloid fibril formation: lessons from and for blood clotting. <i>Progress in Biophysics and Molecular Biology</i> , 2017, 123, 16-41.	1.4	64
83	Introduction to the dielectric estimation of cellular biomass in real time, with special emphasis on measurements at high volume fractions. <i>Analytica Chimica Acta</i> , 1993, 279, 155-161.	2.6	61
84	Efficient discovery of anti-inflammatory small-molecule combinations using evolutionary computing. <i>Nature Chemical Biology</i> , 2011, 7, 902-908.	3.9	61
85	Simultaneous presence of hypercoagulation and increased clot lysis time due to IL-1 β , IL-6 and IL-8. <i>Cytokine</i> , 2018, 110, 237-242.	1.4	61
86	GeneGini: Assessment via the Gini Coefficient of Reference "Housekeeping" Genes and Diverse Human Transporter Expression Profiles. <i>Cell Systems</i> , 2018, 6, 230-244.e1.	2.9	61
87	Untargeted metabolomics of COVID-19 patient serum reveals potential prognostic markers of both severity and outcome. <i>Metabolomics</i> , 2022, 18, 6.	1.4	60
88	Profound Morphological Changes in the Erythrocytes and Fibrin Networks of Patients with Hemochromatosis or with Hyperferritinemia, and Their Normalization by Iron Chelators and Other Agents. <i>PLoS ONE</i> , 2014, 9, e85271.	1.1	59
89	Metabolic syndrome, platelet activation and the development of transient ischemic attack or thromboembolic stroke. <i>Thrombosis Research</i> , 2015, 135, 434-442.	0.8	58
90	A novel method for assessing the role of iron and its functional chelation in fibrin fibril formation: the use of scanning electron microscopy. <i>Toxicology Mechanisms and Methods</i> , 2013, 23, 352-359.	1.3	57

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91	The Acridine Orange test: determining the relationship between sperm morphology and fertilization in vitro. <i>Human Reproduction</i> , 1992, 7, 242-247.	0.4	56
92	Geometric morphometric analysis of mandibular ramus flexure. <i>American Journal of Physical Anthropology</i> , 2005, 128, 623-629.	2.1	56
93	Interaction of Fibrin with Red Blood Cells: The Role of Iron. <i>Ultrastructural Pathology</i> , 2012, 36, 79-84.	0.4	56
94	Genetics and iron in the systems biology of Parkinson's disease and some related disorders. <i>Neurochemistry International</i> , 2013, 62, 637-652.	1.9	56
95	Iron-Induced Fibrin in Cardiovascular Disease. <i>Current Neurovascular Research</i> , 2013, 10, 269-274.	0.4	56
96	A Bacterial Component to Alzheimer's-Type Dementia Seen via a Systems Biology Approach that Links Iron Dysregulation and Inflammation Shedding to Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1237-1256.	1.2	56
97	Erythrocyte deformability and eryptosis during inflammation, and impaired blood rheology. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 69, 545-550.	0.9	56
98	Deleterious mutation in the FYB gene is associated with congenital autosomal recessive small platelet thrombocytopenia. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 1285-1292.	1.9	55
99	Interplay between ultrastructural findings and atherothrombotic complications in type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2015, 14, 96.	2.7	54
100	L-(+)-Ergothioneine Significantly Improves the Clinical Characteristics of Preeclampsia in the Reduced Uterine Perfusion Pressure Rat Model. <i>Hypertension</i> , 2020, 75, 561-568.	1.3	53
101	Stimulation of the multiplication of <i>Micrococcus luteus</i> by an autocrine growth factor. <i>Archives of Microbiology</i> , 1999, 172, 9-14.	1.0	50
102	The adaptability of red blood cells. <i>Cardiovascular Diabetology</i> , 2013, 12, 63.	2.7	50
103	High ferritin levels have major effects on the morphology of erythrocytes in Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 88.	1.7	50
104	Both lipopolysaccharide and lipoteichoic acids potently induce anomalous fibrin amyloid formation: assessment with novel Amytracker [®] stains. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170941.	1.5	50
105	A Champion of Host Defense: A Generic Large-Scale Cause for Platelet Dysfunction and Depletion in Infection. <i>Seminars in Thrombosis and Hemostasis</i> , 2020, 46, 302-319.	1.5	50
106	Substantial fibrin amyloidogenesis in type 2 diabetes assessed using amyloid-selective fluorescent stains. <i>Cardiovascular Diabetology</i> , 2017, 16, 141.	2.7	49
107	Individuality, phenotypic differentiation, dormancy and "persistence" in culturable bacterial systems: commonalities shared by environmental, laboratory, and clinical microbiology. <i>F1000Research</i> , 2015, 4, 179.	0.8	49
108	The potential therapeutic effects of ergothioneine in pre-eclampsia. <i>Free Radical Biology and Medicine</i> , 2018, 117, 145-157.	1.3	48

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109	Using geometric morphometrics to investigate wing dimorphism in males and females of Hymenoptera - a case study based on the genus <i>Tachysphex</i> Kohl (Hymenoptera: Sphecidae: Larrinae). <i>Australian Journal of Entomology</i> , 2005, 44, 113-121.	1.1	47
110	What would be the observable consequences if phospholipid bilayer diffusion of drugs into cells is negligible?. <i>Trends in Pharmacological Sciences</i> , 2015, 36, 15-21.	4.0	46
111	Flow cytometric analysis of platelets type 2 diabetes mellitus reveals "angry" platelets. <i>Cardiovascular Diabetology</i> , 2016, 15, 52.	2.7	46
112	Immunological Tolerance, Pregnancy, and Preeclampsia: The Roles of Semen Microbes and the Father. <i>Frontiers in Medicine</i> , 2017, 4, 239.	1.2	46
113	Individuality, phenotypic differentiation, dormancy and "persistence" in culturable bacterial systems: commonalities shared by environmental, laboratory, and clinical microbiology. <i>F1000Research</i> , 2015, 4, 179.	0.8	46
114	The virtual human: Towards a global systems biology of multiscale, distributed biochemical network models. <i>IUBMB Life</i> , 2007, 59, 689-695.	1.5	45
115	Iron enhances generation of fibrin fibers in human blood: Implications for pathogenesis of stroke. <i>Microscopy Research and Technique</i> , 2012, 75, 1185-1190.	1.2	45
116	Oxidation Inhibits Iron-Induced Blood Coagulation. <i>Current Drug Targets</i> , 2013, 14, 13-19.	1.0	45
117	To What Extent Are the Terminal Stages of Sepsis, Septic Shock, Systemic Inflammatory Response Syndrome, and Multiple Organ Dysfunction Syndrome Actually Driven by a Prion/Amyloid Form of Fibrin?. <i>Seminars in Thrombosis and Hemostasis</i> , 2018, 44, 224-238.	1.5	45
118	Smoking and Coagulation: The Sticky Fibrin Phenomenon. <i>Ultrastructural Pathology</i> , 2010, 34, 236-239.	0.4	44
119	Scientific discovery as a combinatorial optimisation problem: How best to navigate the landscape of possible experiments?. <i>BioEssays</i> , 2012, 34, 236-244.	1.2	44
120	Iron and carbon monoxide enhance coagulation and attenuate fibrinolysis by different mechanisms. <i>Blood Coagulation and Fibrinolysis</i> , 2014, 25, 695-702.	0.5	44
121	Prevalence of readily detected amyloid blood clots in "unclotted" Type 2 Diabetes Mellitus and COVID-19 plasma: a preliminary report. <i>Cardiovascular Diabetology</i> , 2020, 19, 193.	2.7	44
122	Colorectal cancer is associated with increased circulating lipopolysaccharide, inflammation and hypercoagulability. <i>Scientific Reports</i> , 2020, 10, 8777.	1.6	44
123	Commentary on "Goodacre R, Timmins M, Rooney PJ, Rowland JJ, Kell DB: Rapid identification of <i>Streptococcus</i> and <i>Enterococcus</i> species using diffuse reflectance-absorbance Fourier transform infrared spectroscopy and artificial neural networks. <i>FEMS Microbiol Lett</i> 1996; 140:233-239", the most cited paper in the Journal for that year. <i>FEMS Microbiology Letters</i> . 2017, 364, fnx018.	0.7	42
124	Lipopolysaccharide-binding protein (LBP) reverses the amyloid state of fibrin seen in plasma of type 2 diabetics with cardiovascular co-morbidities. <i>Scientific Reports</i> , 2017, 7, 9680.	1.6	42
125	Ultrastructural Changes in Platelet Aggregates of HIV Patients: A Scanning Electron Microscopy Study. <i>Ultrastructural Pathology</i> , 2008, 32, 75-79.	0.4	40
126	Smoking and fluidity of erythrocyte membranes: A high resolution scanning electron and atomic force microscopy investigation. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 35, 42-46.	1.2	40

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127	Engineering the Yeast <i>Saccharomyces cerevisiae</i> for the Production of L-(+)-Ergothioneine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 262.	2.0	40
128	Evidence That Multiple Defects in Lipid Regulation Occur before Hyperglycemia during the Prodrome of Type-2 Diabetes. <i>PLoS ONE</i> , 2014, 9, e103217.	1.1	40
129	On the functional unit of energy coupling in photophosphorylation by bacterial chromatophores. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 723, 308-316.	0.5	39
130	Differences in fibrin fiber diameters in healthy individuals and thromboembolic ischemic stroke patients. <i>Blood Coagulation and Fibrinolysis</i> , 2011, 22, 696-700.	0.5	39
131	An ultrastructural analysis of platelets, erythrocytes, white blood cells, and fibrin network in systemic lupus erythematosus. <i>Rheumatology International</i> , 2014, 34, 1005-1009.	1.5	39
132	Blood clot parameters: Thromboelastography and scanning electron microscopy in research and clinical practice. <i>Thrombosis Research</i> , 2017, 154, 59-63.	0.8	39
133	Correlative Light-Electron Microscopy detects lipopolysaccharide and its association with fibrin fibres in Parkinson's Disease, Alzheimer's Disease and Type 2 Diabetes Mellitus. <i>Scientific Reports</i> , 2018, 8, 16798.	1.6	39
134	Novel pathway of iron-induced blood coagulation: implications for diabetes mellitus and its complications. <i>Polish Archives of Internal Medicine</i> , 2012, 122, 115-122.	0.3	38
135	Platelet hyperactivity and fibrin clot structure in transient ischemic attack individuals in the presence of metabolic syndrome: a microscopy and thromboelastography study. <i>Cardiovascular Diabetology</i> , 2015, 14, 86.	2.7	37
136	Secretion of an antibacterial factor during resuscitation of dormant cells in <i>Micrococcus luteus</i> cultures held in an extended stationary phase. <i>Antonie Van Leeuwenhoek</i> , 1995, 67, 289-295.	0.7	36
137	Qualitative scanning electron microscopy analysis of fibrin networks and platelet abnormalities in diabetes. <i>Blood Coagulation and Fibrinolysis</i> , 2011, 22, 463-467.	0.5	36
138	The Role of Iron-Induced Fibrin in the Pathogenesis of Alzheimer's Disease and the Protective Role of Magnesium. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 735.	1.0	36
139	Platelet and red blood cell interactions and their role in rheumatoid arthritis. <i>Rheumatology International</i> , 2015, 35, 1955-1964.	1.5	36
140	Platelets in Rheumatic Diseases: Friend or Foe?. <i>Current Pharmaceutical Design</i> , 2014, 20, 552-566.	0.9	36
141	Ultrastructural comparison of the morphology of three different platelet and fibrin fiber preparations. <i>Anatomical Record</i> , 2007, 290, 188-198.	0.8	35
142	Geometric morphometric analysis of the use of mandibular gonial eversion in sex determination. <i>HOMO- Journal of Comparative Human Biology</i> , 2009, 60, 29-43.	0.3	35
143	Hydroxyl radical-modified fibrinogen as a marker of thrombosis: the role of iron. <i>Hematology</i> , 2012, 17, 241-247.	0.7	35
144	Novel Diagnostic and Monitoring Tools in Stroke: an Individualized Patient-Centered Precision Medicine Approach. <i>Journal of Atherosclerosis and Thrombosis</i> , 2016, 23, 493-504.	0.9	34

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145	Software review: the KNIME workflow environment and its applications in genetic programming and machine learning. <i>Genetic Programming and Evolvable Machines</i> , 2015, 16, 387-391.	1.5	33
146	Platelets as Potent Signaling Entities in Type 2 Diabetes Mellitus. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 532-545.	3.1	33
147	Comparison of Platelet Ultrastructure and Elastic Properties in Thrombo-Embolic Ischemic Stroke and Smoking Using Atomic Force and Scanning Electron Microscopy. <i>PLoS ONE</i> , 2013, 8, e69774.	1.1	33
148	Mandibular landmarks as an aid in minimizing injury to the marginal mandibular branch: A metric and geometric anatomical study. <i>Clinical Anatomy</i> , 2005, 18, 171-178.	1.5	32
149	A descriptive investigation of the ultrastructure of fibrin networks in thrombo-embolic ischemic stroke. <i>Journal of Thrombosis and Thrombolysis</i> , 2011, 31, 507-513.	1.0	32
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