

Etheresia Pretorius

List of Publications by Citations

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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.

392
papers

17,547
citations

58
h-index

122
g-index

424
ext. papers

20,748
ext. citations

4.9
avg, IF

7.37
L-index

#	Paper	IF	Citations
392	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, 1060-83	18.8	1527
391	A community-driven global reconstruction of human metabolism. <i>Nature Biotechnology</i> , 2013 , 31, 419-25	44.5	746
390	The Systems Biology Graphical Notation. <i>Nature Biotechnology</i> , 2009 , 27, 735-41	44.5	651
389	Statistical strategies for avoiding false discoveries in metabolomics and related experiments. <i>Metabolomics</i> , 2007 , 2, 171-196	4.7	566
388	A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology. <i>Nature Biotechnology</i> , 2008 , 26, 1155-60	44.5	471
387	Pulsatile stimulation determines timing and specificity of NF-kappaB-dependent transcription. <i>Science</i> , 2009 , 324, 242-6	33.3	414
386	Viability and activity in readily culturable bacteria: a review and discussion of the practical issues. <i>Antonie Van Leeuwenhoek</i> , 1998 , 73, 169-87	2.1	411
385	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	4.1	404
384	Carrier-mediated cellular uptake of pharmaceutical drugs: an exception or the rule?. <i>Nature Reviews Drug Discovery</i> , 2008 , 7, 205-20	64.1	360
383	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	3.7	349
382	Microbes and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 51, 979-84	4.3	320
381	Serum ferritin is an important inflammatory disease marker, as it is mainly a leakage product from damaged cells. <i>Metallomics</i> , 2014 , 6, 748-73	4.5	308
380	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, 825-89	5.8	292
379	Synthetic biology for the directed evolution of protein biocatalysts: navigating sequence space intelligently. <i>Chemical Society Reviews</i> , 2015 , 44, 1172-239	58.5	267
378	The dormant blood microbiome in chronic, inflammatory diseases. <i>FEMS Microbiology Reviews</i> , 2015 , 39, 567-91	15.1	236
377	Dormancy in non-sporulating bacteria. <i>FEMS Microbiology Letters</i> , 1993 , 10, 271-85	2.9	221
376	A family of autocrine growth factors in Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , 2002 , 46, 623-35	4.1	218

375	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	3.8	213
374	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, 3187-96	4.8	188
373	Recon 2.2: from reconstruction to model of human metabolism. <i>Metabolomics</i> , 2016 , 12, 109	4.7	184
372	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	4.1	176
371	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, 1589-97	5.8	165
370	Effects of IL-1 α , IL-6 and IL-8 on erythrocytes, platelets and clot viscoelasticity. <i>Scientific Reports</i> , 2016 , 6, 32188	4.9	156
369	Pharmaceutical drug transport: the issues and the implications that it is essentially carrier-mediated only. <i>Drug Discovery Today</i> , 2011 , 16, 704-14	8.8	145
368	The rpf gene of <i>Micrococcus luteus</i> encodes an essential secreted growth factor. <i>Molecular Microbiology</i> , 2002 , 46, 611-21	4.1	141
367	Metabolic control theory: its role in microbiology and biotechnology. <i>FEMS Microbiology Letters</i> , 1986 , 39, 305-320	2.9	141
366	Membrane transporter engineering in industrial biotechnology and whole cell biocatalysis. <i>Trends in Biotechnology</i> , 2015 , 33, 237-46	15.1	136
365	Theodor Böhler Lecture. 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 the 9th IUBMB conference in Budapest. <i>FEBS Journal</i> , 2006 , 273, 873-94	5.7	133
364	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	8.7	127
363	Metabolomics and systems pharmacology: why and how to model the human metabolic network for drug discovery. <i>Drug Discovery Today</i> , 2014 , 19, 171-82	8.8	122
362	Direct and indirect cellular effects of aspartame on the brain. <i>European Journal of Clinical Nutrition</i> , 2008 , 62, 451-62	5.2	121
361	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, 218-39	8.8	120
360	Quantifying heterogeneity: flow cytometry of bacterial cultures. <i>Antonie Van Leeuwenhoek</i> , 1991 , 60, 145-58	2.1	115
359	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	5.6	114
358	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, 1125-32	13.4	106

357	Bacterial dormancy and culturability: the role of autocrine growth factors. <i>Current Opinion in Microbiology</i> , 2000 , 3, 238-43	7.9	106
356	The Biology of Lactoferrin, an Iron-Binding Protein That Can Help Defend Against Viruses and Bacteria. <i>Frontiers in Immunology</i> , 2020 , 11, 1221	8.4	105
355	Diagnostic morphology: biophysical indicators for iron-driven inflammatory diseases. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 486-510	3.7	102
354	A Comprehensive Review on Eryptosis. <i>Cellular Physiology and Biochemistry</i> , 2016 , 39, 1977-2000	3.9	102
353	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, 3284-91	4.8	100
352	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, 1339-77	3.7	98
351	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	2.9	94
350	A phylogenetic analysis of dung beetles (Scarabaeinae : Scarabaeidae): unrolling an evolutionary history. <i>Invertebrate Systematics</i> , 2004 , 18, 53	1.2	90
349	The use of 5-cyano-2,3-ditolyl 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	2.8	87
348	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, 5957-80	5.7	84
347	Investigation into the usability of geometric morphometric analysis in assessment of sexual dimorphism. <i>American Journal of Physical Anthropology</i> , 2006 , 129, 64-70	2.5	84
346	GMP Good modelling practice: an essential component of good manufacturing practice. <i>Trends in Biotechnology</i> , 1995 , 13, 481-492	15.1	78
345	Primary and secondary coenzyme Q10 deficiency: the role of therapeutic supplementation. <i>Nutrition Reviews</i> , 2013 , 71, 180-8	6.4	77
344	Adoption of the transiently non-culturable state--a bacterial survival strategy?. <i>Advances in Microbial Physiology</i> , 2003 , 47, 65-129	4.4	77
343	Pheromones, social behaviour and the functions of secondary metabolism in bacteria. <i>Trends in Ecology and Evolution</i> , 1995 , 10, 126-9	10.9	74
342	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,	6.3	70
341	Oscillatory, stochastic and chaotic growth rate fluctuations in permissively controlled yeast cultures. <i>BioSystems</i> , 1996 , 39, 43-61	1.9	67
340	Eryptosis as a marker of Parkinson's disease. <i>Aging</i> , 2014 , 6, 788-819	5.6	66

339	The metabolome 18 years on: a concept comes of age. <i>Metabolomics</i> , 2016 , 12, 148	4.7	65
338	Geometric morphometric analysis of the greater sciatic notch in South Africans. <i>HOMO- Journal of Comparative Human Biology</i> , 2004 , 54, 197-206	0.5	63
337	Obesity, hypertension and hypercholesterolemia as risk factors for atherosclerosis leading to ischemic events. <i>Current Medicinal Chemistry</i> , 2014 , 21, 2121-9	4.3	63
336	On resuscitation from the dormant state of <i>Micrococcus luteus</i> . <i>Antonie Van Leeuwenhoek</i> , 1998 , 73, 237-43	2.1	62
335	A 'rule of 0.5' for the metabolite-likeness of approved pharmaceutical drugs. <i>Metabolomics</i> , 2015 , 11, 323-339	4.7	60
334	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 Kingdom)</i> , 2015 , 7, 24-52	3.7	57
333	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, 35284-303	3.3	57
332	Subjective visual evaluation vs. traditional and geometric morphometrics in species delimitation: a comparison of moth genitalia. <i>Systematic Entomology</i> , 2007 , 32, 371-386	3.4	56
331	Platelet activity and hypercoagulation in type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2018 , 17, 141	8.7	56
330	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	6.6	55
329	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	3.7	54
328	The biology of ergothioneine, an antioxidant nutraceutical. <i>Nutrition Research Reviews</i> , 2020 , 33, 190-217		54
327	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	8.7	53
326	Erythrocytes and their role as health indicator: Using structure in a patient-orientated precision medicine approach. <i>Blood Reviews</i> , 2016 , 30, 263-74	11.1	53
325	Genetics and iron in the systems biology of Parkinson's disease and some related disorders. <i>Neurochemistry International</i> , 2013 , 62, 637-52	4.4	53
324	No effects without causes: the Iron Dysregulation and Dormant Microbes hypothesis for chronic, inflammatory diseases. <i>Biological Reviews</i> , 2018 , 93, 1518-1557	13.5	52
323	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	3.7	52
322	Efficient discovery of anti-inflammatory small-molecule combinations using evolutionary computing. <i>Nature Chemical Biology</i> , 2011 , 7, 902-8	11.7	52

321	The Acridine Orange test: determining the relationship between sperm morphology and fertilization in vitro. <i>Human Reproduction</i> , 1992 , 7, 242-7	5.7	51
320	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,	4.1	51
319	Inflammatory cytokines in type 2 diabetes mellitus as facilitators of hypercoagulation and abnormal clot formation. <i>Cardiovascular Diabetology</i> , 2019 , 18, 72	8.7	50
318	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, 352-9	3.6	50
317	Metabolic syndrome, platelet activation and the development of transient ischemic attack or thromboembolic stroke. <i>Thrombosis Research</i> , 2015 , 135, 434-42	8.2	50
316	The inflammatory effects of TNF- α and complement component 3 on coagulation. <i>Scientific Reports</i> , 2018 , 8, 1812	4.9	48
315	Stimulation of the multiplication of <i>Micrococcus luteus</i> by an autocrine growth factor. <i>Archives of Microbiology</i> , 1999 , 172, 9-14	3	48
314	A Dormant Microbial Component in the Development of Preeclampsia. <i>Frontiers in Medicine</i> , 2016 , 3, 60	4.9	48
313	Bacterial Dysbiosis and Translocation in Psoriasis Vulgaris. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 7	5.9	47
312	Iron-induced fibrin in cardiovascular disease. <i>Current Neurovascular Research</i> , 2013 , 10, 269-74	1.8	47
311	A Bacterial Component to Alzheimer's-Type Dementia Seen via a Systems Biology Approach that Links Iron Dysregulation and Inflammagen Shedding to Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 53, 1237-56	4.3	47
310	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	4	46
309	Interaction of fibrin with red blood cells: the role of iron. <i>Ultrastructural Pathology</i> , 2012 , 36, 79-84	1.3	46
308	Geometric morphometric analysis of mandibular ramus flexure. <i>American Journal of Physical Anthropology</i> , 2005 , 128, 623-9	2.5	46
307	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	4.7	45
306	Interplay between ultrastructural findings and atherothrombotic complications in type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2015 , 14, 96	8.7	44
305	Revisiting the safety of aspartame. <i>Nutrition Reviews</i> , 2017 , 75, 718-730	6.4	42
304	The adaptability of red blood cells. <i>Cardiovascular Diabetology</i> , 2013 , 12, 63	8.7	42

303	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	13.2	42
302	Oxidation Inhibits Iron-Induced Blood Coagulation. <i>Current Drug Targets</i> , 2013 , 14, 13-19	3	42
301	High ferritin levels have major effects on the morphology of erythrocytes in Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2013 , 5, 88	5.3	42
300	Individuality, phenotypic differentiation, dormancy and persistence in culturable bacterial systems: commonalities shared by environmental, laboratory, and clinical microbiology. <i>F1000Research</i> , 2015 , 4, 179	3.6	42
299	Parkinson's Disease: A Systemic Inflammatory Disease Accompanied by Bacterial Inflammagens. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 210	5.3	41
298	Iron and carbon monoxide enhance coagulation and attenuate fibrinolysis by different mechanisms. <i>Blood Coagulation and Fibrinolysis</i> , 2014 , 25, 695-702	1	41
297	The virtual human: towards a global systems biology of multiscale, distributed biochemical network models. <i>IUBMB Life</i> , 2007 , 59, 689-95	4.7	41
296	Individuality, phenotypic differentiation, dormancy and 'persistence' in culturable bacterial systems: commonalities shared by environmental, laboratory, and clinical microbiology. <i>F1000Research</i> , 2015 , 4, 179	3.6	41
295	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	10.6	40
294	Deleterious mutation in the FYB gene is associated with congenital autosomal recessive small-platelet thrombocytopenia. <i>Journal of Thrombosis and Haemostasis</i> , 2015 , 13, 1285-92	15.4	40
293	Smoking and coagulation: the sticky fibrin phenomenon. <i>Ultrastructural Pathology</i> , 2010 , 34, 236-9	1.3	39
292	Platelets: emerging facilitators of cellular crosstalk in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2019 , 15, 237-248	8.1	38
291	Serum amyloid A binds to fibrin(ogen), promoting fibrin amyloid formation. <i>Scientific Reports</i> , 2019 , 9, 3102	4.9	37
290	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, 42-6	5	37
289	Iron enhances generation of fibrin fibers in human blood: implications for pathogenesis of stroke. <i>Microscopy Research and Technique</i> , 2012 , 75, 1185-90	2.8	37
288	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	5.3	37
287	Ultrastructural changes in platelet aggregates of HIV patients: a scanning electron microscopy study. <i>Ultrastructural Pathology</i> , 2008 , 32, 75-9	1.3	36
286	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		36

285	Flow cytometric analysis of platelets type 2 diabetes mellitus reveals 'angry' platelets. <i>Cardiovascular Diabetology</i> , 2016 , 15, 52	8.7	35
284	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	8.7	35
283	Scientific discovery as a combinatorial optimisation problem: how best to navigate the landscape of possible experiments?. <i>BioEssays</i> , 2012 , 34, 236-44	4.1	34
282	Qualitative scanning electron microscopy analysis of fibrin networks and platelet abnormalities in diabetes. <i>Blood Coagulation and Fibrinolysis</i> , 2011 , 22, 463-7	1	34
281	On the functional unit of energy coupling in photophosphorylation by bacterial chromatophores. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983 , 723, 308-316	4.6	34
280	Platelets in rheumatic diseases: friend or foe?. <i>Current Pharmaceutical Design</i> , 2014 , 20, 552-66	3.3	32
279	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	5.3	32
278	The potential therapeutic effects of ergothioneine in pre-eclampsia. <i>Free Radical Biology and Medicine</i> , 2018 , 117, 145-157	7.8	31
277	Erythrocyte deformability and eryptosis during inflammation, and impaired blood rheology. <i>Clinical Hemorheology and Microcirculation</i> , 2018 , 69, 545-550	2.5	31
276	Immunological Tolerance, Pregnancy, and Preeclampsia: The Roles of Semen Microbes and the Father. <i>Frontiers in Medicine</i> , 2017 , 4, 239	4.9	31
275	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	3.3	31
274	Ultrastructural comparison of the morphology of three different platelet and fibrin fiber preparations. <i>Anatomical Record</i> , 2007 , 290, 188-98	2.1	31
273	An analysis of a 'community-driven' reconstruction of the human metabolic network. <i>Metabolomics</i> , 2013 , 9, 757-764	4.7	30
272	Iron-enhanced coagulation is attenuated by chelation: thrombelastographic and ultrastructural analysis. <i>Blood Coagulation and Fibrinolysis</i> , 2014 , 25, 845-50	1	30
271	Differences in fibrin fiber diameters in healthy individuals and thromboembolic ischemic stroke patients. <i>Blood Coagulation and Fibrinolysis</i> , 2011 , 22, 696-700	1	30
270	A descriptive investigation of the ultrastructure of fibrin networks in thrombo-embolic ischemic stroke. <i>Journal of Thrombosis and Thrombolysis</i> , 2011 , 31, 507-13	5.1	30
269	L-(+)-Ergothioneine Significantly Improves the Clinical Characteristics of Preeclampsia in the Reduced Uterine Perfusion Pressure Rat Model. <i>Hypertension</i> , 2020 , 75, 561-568	8.5	30
268	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,	6.3	29

267	Substantial fibrin amyloidogenesis in type 2 diabetes assessed using amyloid-selective fluorescent stains. <i>Cardiovascular Diabetology</i> , 2017 , 16, 141	8.7	29
266	Novel pathway of iron-induced blood coagulation: implications for diabetes mellitus and its complications 2012 , 122, 115-22		29
265	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	2	28
264	An ultrastructural analysis of platelets, erythrocytes, white blood cells, and fibrin network in systemic lupus erythematosus. <i>Rheumatology International</i> , 2014 , 34, 1005-9	3.6	28
263	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	0.5	28
262	Hydroxyl radical-modified fibrinogen as a marker of thrombosis: the role of iron. <i>Hematology</i> , 2012 , 17, 241-7	2.2	28
261	Evidence that multiple defects in lipid regulation occur before hyperglycemia during the prodrome of type-2 diabetes. <i>PLoS ONE</i> , 2014 , 9, e103217	3.7	28
260	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,	4.1	28
259	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, 171-8	2.5	27
258	Understanding the foundations of the structural similarities between marketed drugs and endogenous human metabolites. <i>Frontiers in Pharmacology</i> , 2015 , 6, 105	5.6	26
257	Interactions among oscillatory pathways in NF-kappa B signaling. <i>BMC Systems Biology</i> , 2011 , 5, 23	3.5	26
256	The Role of Modeling in Systems Biology 2006 , 3-18		26
255	Single-nucleotide polymorphism detection using nanomolar nucleotides and single-molecule fluorescence. <i>Analytical Biochemistry</i> , 2004 , 327, 35-44	3.1	25
254	Physiological studies on the solid-state quinoa tempe fermentation, using on-line measurements of fungal biomass production. <i>Journal of the Science of Food and Agriculture</i> , 1992 , 59, 227-235	4.3	25
253	Blood clot parameters: Thromboelastography and scanning electron microscopy in research and clinical practice. <i>Thrombosis Research</i> , 2017 , 154, 59-63	8.2	24
252	Platelet and red blood cell interactions and their role in rheumatoid arthritis. <i>Rheumatology International</i> , 2015 , 35, 1955-64	3.6	24
251	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	4.9	24
250	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	8.7	24

249	A validated HPLC method for determining residues of a dual active ingredient anti-malarial drug on manufacturing equipment surfaces. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 461-8	3.5	24
248	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, 289-95	2.1	24
247	MetMaxStruct: A Tversky-Similarity-Based Strategy for Analysing the (Sub)Structural Similarities of Drugs and Endogenous Metabolites. <i>Frontiers in Pharmacology</i> , 2016 , 7, 266	5.6	24
246	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	4.9	24
245	The markup is the model: reasoning about systems biology models in the Semantic Web era. <i>Journal of Theoretical Biology</i> , 2008 , 252, 538-43	2.3	23
244	Involvement of multiple influx and efflux transporters in the accumulation of cationic fluorescent dyes by <i>Escherichia coli</i> . <i>BMC Microbiology</i> , 2019 , 19, 195	4.5	22
243	Differences in morphology of fibrin clots induced with thrombin and ferric ions and its pathophysiological consequences. <i>Heart Lung and Circulation</i> , 2013 , 22, 447-9	1.8	22
242	Fitting Transporter Activities to Cellular Drug Concentrations and Fluxes: Why the Bumblebee Can Fly. <i>Trends in Pharmacological Sciences</i> , 2015 , 36, 710-723	13.2	22
241	Scanning electron microscopy of fibrin networks in rheumatoid arthritis: a qualitative analysis. <i>Rheumatology International</i> , 2012 , 32, 1611-5	3.6	22
240	The role of platelet and fibrin ultrastructure in identifying disease patterns. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 2008 , 36, 251-8		22
239	Geometric morphometrics and the analysis of higher taxa: a case study based on the metendosternite of the Scarabaeoidea (Coleoptera). <i>Biological Journal of the Linnean Society</i> , 2001 , 74, 35-50	1.9	22
238	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	3.7	22
237	Lipopolysaccharide-binding protein (LBP) can reverse the amyloid state of fibrin seen or induced in Parkinson's disease. <i>PLoS ONE</i> , 2018 , 13, e0192121	3.7	22
236	Microbial stress and culturability: conceptual and operational domains. <i>Microbiology (United Kingdom)</i> , 1998 , 144, 2009-2010	2.9	22
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109	Both lipopolysaccharide and lipoteichoic acids potently induce anomalous fibrin amyloid formation: assessment with novel Amytracker [®] stains		5
108	Prevalence of amyloid blood clots in COVID-19 plasma		5
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