

Etheresia Pretorius

List of Publications by Year in Descending Order

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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	The Role of Lipopolysaccharide-Induced Cell Signalling in Chronic Inflammation.. <i>Chronic Stress</i> , 2022 , 6, 24705470221076390	3	7
391	A central role for amyloid fibrin microclots in long COVID/PASC: origins and therapeutic implications.. <i>Biochemical Journal</i> , 2022 , 479, 537-559	3.8	8
390	Factor XIII-A Val34Leu and Tyr204Phe variants influence clot kinetics in a cohort of South African type 2 diabetes mellitus patients. <i>Gene</i> , 2022 , 146637	3.8	1
389	Untargeted metabolomics of COVID-19 patient serum reveals potential prognostic markers of both severity and outcome.. <i>Metabolomics</i> , 2021 , 18, 6	4.7	18
388	TEG, Microclot and Platelet Mapping for Guiding Early Management of Severe COVID-19 Coagulopathy. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
387	Platelet Behavior Contributes to Neuropathologies: A Focus on Alzheimer's and Parkinson's Disease. <i>Seminars in Thrombosis and Hemostasis</i> , 2021 ,	5.3	1
386	Intelligent host engineering for metabolic flux optimisation in biotechnology. <i>Biochemical Journal</i> , 2021 , 478, 3685-3721	3.8	3
385	Thrombin-Fibrinogen In Vitro Flow Model of Thrombus Growth in Cerebral Aneurysms. <i>TH Open</i> , 2021 , 5, e155-e162	2.7	1
384	Platelets in HIV: A Guardian of Host Defence or Transient Reservoir of the Virus?. <i>Frontiers in Immunology</i> , 2021 , 12, 649465	8.4	1
383	Molecular regulation of autophagy in a pro-inflammatory tumour microenvironment: New insight into the role of serum amyloid A. <i>Cytokine and Growth Factor Reviews</i> , 2021 , 59, 71-83	17.9	1
382	Psoriatic disease is associated with systemic inflammation, endothelial activation, and altered haemostatic function. <i>Scientific Reports</i> , 2021 , 11, 13043	4.9	2
381	Harnessing the yeast <i>Saccharomyces cerevisiae</i> for the production of fungal secondary metabolites. <i>Essays in Biochemistry</i> , 2021 , 65, 277-291	7.6	4
380	A protet-based, protonic charge transfer model of energy coupling in oxidative and photosynthetic phosphorylation. <i>Advances in Microbial Physiology</i> , 2021 , 78, 1-177	4.4	5
379	The Value of Detecting Pathological Changes During Clot Formation in Early Disease Treatment-Name Breast Cancer Patients. <i>Microscopy and Microanalysis</i> , 2021 , 27, 425-436	0.5	
378	The link between bacterial inflammagens, leaky gut syndrome and colorectal cancer. <i>Current Medicinal Chemistry</i> , 2021 ,	4.3	7
377	Thrombosis in Psoriasis: Cutaneous Cytokine Production as a Potential Driving Force of Haemostatic Dysregulation and Subsequent Cardiovascular Risk. <i>Frontiers in Immunology</i> , 2021 , 12, 688867	8.4	0
376	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

375	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,	4.1	18
374	Serum amyloid A1: Innocent bystander or active participant in cell migration in triple-negative breast cancer?. <i>Experimental Cell Research</i> , 2021 , 406, 112759	4.2	0
373	The Transporter-Mediated Cellular Uptake and Efflux of Pharmaceutical Drugs and Biotechnology Products: How and Why Phospholipid Bilayer Transport Is Negligible in Real Biomembranes. <i>Molecules</i> , 2021 , 26,	4.8	2
372	Role of Circulating Microparticles in Type 2 Diabetes Mellitus: Implications for Pathological Clotting.. <i>Seminars in Thrombosis and Hemostasis</i> , 2021 , 48,	5.3	1
371	Metabolic Influences Modulating Erythrocyte Deformability and Eryptosis.. <i>Metabolites</i> , 2021 , 12,	5.6	6
370	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
369	Colorectal cancer is associated with increased circulating lipopolysaccharide, inflammation and hypercoagulability. <i>Scientific Reports</i> , 2020 , 10, 8777	4.9	18
368	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
367	Is Porphyromonas gingivalis involved in Parkinson's disease?. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020 , 39, 2013-2018	5.3	10
366	Comparison of pathological clotting using haematological, functional and morphological investigations in HIV-positive and HIV-negative patients with deep vein thrombosis. <i>Retrovirology</i> , 2020 , 17, 14	3.6	5
365	Iron Dysregulation and Inflammagens Related to Oral and Gut Health Are Central to the Development of Parkinson's Disease. <i>Biomolecules</i> , 2020 , 11,	5.9	7
364	The biology of ergothioneine, an antioxidant nutraceutical. <i>Nutrition Research Reviews</i> , 2020 , 33, 190-217		54
363	The Central Role of Acute Phase Proteins in Rheumatoid Arthritis: Involvement in Disease Autoimmunity, Inflammatory Responses, and the Heightened Risk of Cardiovascular Disease. <i>Seminars in Thrombosis and Hemostasis</i> , 2020 , 46, 465-483	5.3	2
362	Comments on: Cholesterol content of erythrocyte membranes and elusive target. <i>Thrombosis Research</i> , 2020 , 185, 31	8.2	
361	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
360	An untargeted metabolomics strategy to measure differences in metabolite uptake and excretion by mammalian cell lines. <i>Metabolomics</i> , 2020 , 16, 107	4.7	12
359	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	8.7	12
358	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

357	Gingipain R1 and Lipopolysaccharide From Have Major Effects on Blood Clot Morphology and Mechanics. <i>Frontiers in Immunology</i> , 2020 , 11, 1551	8.4	4
356	A Quantitative Survey of Bacterial Persistence in the Presence of Antibiotics: Towards Antipersister Antimicrobial Discovery. <i>Antibiotics</i> , 2020 , 9,	4.9	10
355	Detection of Citrullinated Fibrin in Plasma Clots of Rheumatoid Arthritis Patients and Its Relation to Altered Structural Clot Properties, Disease-Related Inflammation and Prothrombotic Tendency. <i>Frontiers in Immunology</i> , 2020 , 11, 577523	8.4	5
354	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
353	Involvement of multiple influx and efflux transporters in the accumulation of cationic fluorescent dyes by Escherichia coli. <i>BMC Microbiology</i> , 2019 , 19, 195	4.5	22
352	Engineering the Yeast for the Production of L-(+)-Ergothioneine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 262	5.8	14
351	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
350	Platelets as Potent Signaling Entities in Type 2 Diabetes Mellitus. <i>Trends in Endocrinology and Metabolism</i> , 2019 , 30, 532-545	8.8	20
349	Serum amyloid A binds to fibrin(ogen), promoting fibrin amyloid formation. <i>Scientific Reports</i> , 2019 , 9, 3102	4.9	37
348	Red blood cell membrane cholesterol in type 2 diabetes mellitus. <i>Thrombosis Research</i> , 2019 , 178, 91-98	8.2	8
347	HIV and cardiovascular diseases risk: exploring the interplay between T-cell activation, coagulation, monocyte subsets, and lipid subclass alterations. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H1146-H1157	5.2	13
346	Bacterial Dysbiosis and Translocation in Psoriasis Vulgaris. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 7	5.9	47
345	Parkinson's Disease: A Systemic Inflammatory Disease Accompanied by Bacterial Inflammagens. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 210	5.3	41
344	Atomic Force Microscopy: The Characterisation of Amyloid Protein Structure in Pathology. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 2958-2973	3	0
343	Coagulopathy in Type 2 Diabetes Mellitus: Pathological Mechanisms and the Role of Factor XIII-A Single Nucleotide Polymorphisms. <i>Current Diabetes Reviews</i> , 2019 , 15, 446-455	2.7	1
342	Platelets: emerging facilitators of cellular crosstalk in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2019 , 15, 237-248	8.1	38
341	A Possible Role of Amyloidogenic Blood Clotting in the Evolving Haemodynamics of Female Migraine-With-Aura: Results From a Pilot Study. <i>Frontiers in Neurology</i> , 2019 , 10, 1262	4.1	7
340	Pathological Clotting and Deep Vein Thrombosis in Patients with HIV. <i>Seminars in Thrombosis and Hemostasis</i> , 2019 , 45, 132-140	5.3	12

339	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
338	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
337	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
336	The inflammatory effects of TNF- α and complement component 3 on coagulation. <i>Scientific Reports</i> , 2018 , 8, 1812	4.9	48
335	The potential therapeutic effects of ergothioneine in pre-eclampsia. <i>Free Radical Biology and Medicine</i> , 2018 , 117, 145-157	7.8	31
334	Eryptosis in Haemochromatosis: Implications for rheology. <i>Clinical Hemorheology and Microcirculation</i> , 2018 , 69, 457-469	2.5	9
333	Erythrocyte deformability and eryptosis during inflammation, and impaired blood rheology. <i>Clinical Hemorheology and Microcirculation</i> , 2018 , 69, 545-550	2.5	31
332	The Synergistic Combination of Everolimus and Paroxetine Exerts Post-ischemic Neuroprotection In Vitro. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 1383-1397	4.6	2
331	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
330	Interleukin-12 and its procoagulant effect on erythrocytes, platelets and fibrin(ogen): the lesser known side of inflammation. <i>British Journal of Haematology</i> , 2018 , 180, 110-117	4.5	12
329	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
328	Both lipopolysaccharide and lipoteichoic acids potently induce anomalous fibrin amyloid formation: assessment with novel Amytracker β stains. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	28
327	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
326	Platelet activity and hypercoagulation in type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2018 , 17, 141	8.7	56
325	Iron Dysregulation and Dormant Microbes as Causative Agents for Impaired Blood Rheology and Pathological Clotting in Alzheimer's Type Dementia. <i>Frontiers in Neuroscience</i> , 2018 , 12, 851	5.1	15
324	Author's reply to comments from the International Sweeteners Association (ISA) in response to "Revisiting the safety of aspartame" by Arbind Kumar Choudhary and Ethersia Pretorius Nutrition Reviews 2017;75:718-730. <i>Nutrition Reviews</i> , 2018 , 76, 859	6.4	1
323	The Potential of LPS-Binding Protein to Reverse Amyloid Formation in Plasma Fibrin of Individuals With Alzheimer-Type Dementia. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 257	5.3	21
322	Ultra-high throughput functional enrichment of large monoamine oxidase (MAO-N) libraries by fluorescence activated cell sorting. <i>Analyst, The</i> , 2018 , 143, 4747-4755	5	14

321	Tissue factor levels in type 2 diabetes mellitus. <i>Inflammation Research</i> , 2017 , 66, 365-368	7.2	6
320	Mass spectrometry imaging shows major derangements in neurogranin and in purine metabolism in the triple-knockout 3Tg Alzheimer mouse model. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 747-754	4	20
319	Blood clot parameters: Thromboelastography and scanning electron microscopy in research and clinical practice. <i>Thrombosis Research</i> , 2017 , 154, 59-63	8.2	24
318	The Effect of Endogenous and Synthetic Estrogens on Whole Blood Clot Formation and Erythrocyte Structure. <i>Microscopy and Microanalysis</i> , 2017 , 23, 599-606	0.5	10
317	Effect of Progesterone and Synthetic Progestins on Whole Blood Clot Formation and Erythrocyte Structure. <i>Microscopy and Microanalysis</i> , 2017 , 23, 607-617	0.5	14
316	The stabilizing effect of an oligomeric proanthocyanidin on red blood cell membrane structure of poorly controlled Type II diabetes. <i>Nutrition and Diabetes</i> , 2017 , 7, e275	4.7	10
315	Analysis of drug-endogenous human metabolite similarities in terms of their maximum common substructures. <i>Journal of Cheminformatics</i> , 2017 , 9, 18	8.6	19
314	Clinical relevance of hypercoagulability and possible hypofibrinolysis associated with estrone and estriol. <i>Microscopy Research and Technique</i> , 2017 , 80, 697-703	2.8	5
313	Acute megakaryoblastic leukaemia: light microscopy and scanning electron microscopy of blast cells. <i>British Journal of Haematology</i> , 2017 , 176, 686	4.5	
312	Revisiting the safety of aspartame. <i>Nutrition Reviews</i> , 2017 , 75, 718-730	6.4	42
311	Substantial fibrin amyloidogenesis in type 2 diabetes assessed using amyloid-selective fluorescent stains. <i>Cardiovascular Diabetology</i> , 2017 , 16, 141	8.7	29
310	Immunological Tolerance, Pregnancy, and Preeclampsia: The Roles of Semen Microbes and the Father. <i>Frontiers in Medicine</i> , 2017 , 4, 239	4.9	31
309	Characterizing pathology in erythrocytes using morphological and biophysical membrane properties: Relation to impaired hemorheology and cardiovascular function in rheumatoid arthritis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 2381-2391	3.8	15
308	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
307	Mechanisms of Hypercoagulation and Aberrant Clot Lyses in Type 2 Diabetes 2017 , 377-393		1
306	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
305	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
304	Precision Medicine and a Patient-Orientated Approach: Is this the Future for Tracking Cardiovascular Disorders?. <i>Current Pharmaceutical Design</i> , 2017 , 23, 889-893	3.3	2

303	Recon 2.2: from reconstruction to model of human metabolism. <i>Metabolomics</i> , 2016 , 12, 109	4.7	184
302	Microbes and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 51, 979-84	4.3	320
301	Flow cytometric analysis of platelets type 2 diabetes mellitus reveals 'angry' platelets. <i>Cardiovascular Diabetology</i> , 2016 , 15, 52	8.7	35
300	Platelet interaction with erythrocytes and propensity to aggregation in essential thrombocythaemia. <i>Lancet, The</i> , 2016 , 387, 1210	4.0	5
299	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
298	Transient ischemic attack during smoking: The thrombotic state of erythrocytes and platelets illustrated visually. <i>Ultrastructural Pathology</i> , 2016 , 40, 57-9	1.3	
297	Viscoelasticity as a measurement of clot structure in poorly controlled type 2 diabetes patients: towards a precision and personalized medicine approach. <i>Oncotarget</i> , 2016 , 7, 50895-50907	3.3	17
296	Rheumatoid Arthritis: Notable Biomarkers Linking to Chronic Systemic Conditions and Cancer. <i>Current Pharmaceutical Design</i> , 2016 , 22, 918-24	3.3	7
295	A Dormant Microbial Component in the Development of Preeclampsia. <i>Frontiers in Medicine</i> , 2016 , 3, 60	4.9	48
294	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	4	20
293	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
292	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
291	A Comprehensive Review on Eryptosis. <i>Cellular Physiology and Biochemistry</i> , 2016 , 39, 1977-2000	3.9	102
290	Synthetic Hormones and Clot Formation. <i>Microscopy and Microanalysis</i> , 2016 , 22, 878-86	0.5	5
289	The effect of physiological levels of South African puff adder (<i>Bitis arietans</i>) snake venom on blood cells: an in vitro model. <i>Scientific Reports</i> , 2016 , 6, 35988	4.9	7
288	Effects of IL-1, IL-6 and IL-8 on erythrocytes, platelets and clot viscoelasticity. <i>Scientific Reports</i> , 2016 , 6, 32188	4.9	156
287	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
286	The clinical relevance of altered fibrinogen packaging in the presence of 17 β -estradiol and progesterone. <i>Thrombosis Research</i> , 2016 , 146, 23-34	8.2	9

285	The metabolome 18 years on: a concept comes of age. <i>Metabolomics</i> , 2016 , 12, 148	4.7	65
284	The dormant blood microbiome in chronic, inflammatory diseases. <i>FEMS Microbiology Reviews</i> , 2015 , 39, 567-91	15.1	236
283	Viscoelasticity and Ultrastructure in Coagulation and Inflammation: Two Diverse Techniques, One Conclusion. <i>Inflammation</i> , 2015 , 38, 1707-26	5.1	19
282	Ultrastructural analysis of platelets during three phases of pregnancy: a qualitative and quantitative investigation. <i>Hematology</i> , 2015 , 20, 39-47	2.2	8
281	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
280	Membrane transporter engineering in industrial biotechnology and whole cell biocatalysis. <i>Trends in Biotechnology</i> , 2015 , 33, 237-46	15.1	136
279	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
278	Prevention and follow-up in thromboembolic ischemic stroke: Do we need to think out of the box?. <i>Thrombosis Research</i> , 2015 , 136, 1067-73	8.2	3
277	Platelet and red blood cell interactions and their role in rheumatoid arthritis. <i>Rheumatology International</i> , 2015 , 35, 1955-64	3.6	24
276	Development and ultra-structure of an ultra-thin silicone epidermis of bioengineered alternative tissue. <i>International Wound Journal</i> , 2015 , 12, 428-31	2.6	3
275	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
274	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
273	Ex vivo Determination of an Estradiol Analogue-Induced Changes on Platelet Morphology and Angiogenic Biomarkers. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1491-1503	0.5	
272	Ex vivo apoptotic and autophagic influence of an estradiol analogue on platelets. <i>Experimental Hematology and Oncology</i> , 2015 , 5, 18	7.8	1
271	The transporter-mediated cellular uptake of pharmaceutical drugs is based on their metabolite-likeness and not on their bulk biophysical properties: Towards a systems pharmacology. <i>Perspectives in Science</i> , 2015 , 6, 66-83	0.8	17
270	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
269	Interplay between ultrastructural findings and atherothrombotic complications in type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2015 , 14, 96	8.7	44
268	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

267	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
266	Oral v. pulse intravenous cyclophosphamide: A retrospective analysis of adverse events in a setting with a high burden of infectious disease. <i>South African Medical Journal</i> , 2015 , 105, 209-14	1.5	1
265	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
264	A 'rule of 0.5' for the metabolite-likeness of approved pharmaceutical drugs. <i>Metabolomics</i> , 2015 , 11, 323-339	4.7	60
263	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
262	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
261	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
260	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
259	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
258	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
257	Carbon monoxide and iron modulate plasmatic coagulation in Alzheimer's disease. <i>Current Neurovascular Research</i> , 2015 , 12, 31-9	1.8	15
256	The effect of iron overload on red blood cell morphology. <i>Lancet, The</i> , 2014 , 383, 722	40	5
255	Carbon monoxide: Anticoagulant or procoagulant?. <i>Thrombosis Research</i> , 2014 , 133, 315-21	8.2	20
254	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
253	Diagnostic morphology: biophysical indicators for iron-driven inflammatory diseases. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 486-510	3.7	102
252	An estrogen analogue and promising anticancer agent refrains from inducing morphological damage and reactive oxygen species generation in erythrocytes, fibrin and platelets: a pilot study. <i>Cancer Cell International</i> , 2014 , 14, 48	6.4	2
251	Transfusion medicine illustrated. Smokers as blood donors: what do their red blood cell membranes tell us?. <i>Transfusion</i> , 2014 , 54, 266	2.9	2
250	Part 2: ultrastructural changes of fibrin networks during three phases of pregnancy: a qualitative investigation. <i>Microscopy Research and Technique</i> , 2014 , 77, 602-8	2.8	6

249	Unusual clotting dynamics of plasma supplemented with iron(III). <i>International Journal of Molecular Medicine</i> , 2014 , 33, 367-72	4.4	15
248	Erythrocyte-platelet interaction in uncomplicated pregnancy. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1848-60	0.5	9
247	Eryptosis as a marker of Parkinson's disease. <i>Aging</i> , 2014 , 6, 788-819	5.6	66
246	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
245	Letter to Editors Iron-induced fibrin formation may explain vascular pathology in Alzheimer's disease. <i>Folia Neuropathologica</i> , 2014 , 2, 205-205	2.6	2
244	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
243	Estrogen causes ultrastructural changes of fibrin networks during the menstrual cycle: a qualitative investigation. <i>Microscopy Research and Technique</i> , 2014 , 77, 594-601	2.8	17
242	Iron-enhanced coagulation is attenuated by chelation: thrombelastographic and ultrastructural analysis. <i>Blood Coagulation and Fibrinolysis</i> , 2014 , 25, 845-50	1	30
241	Iron and carbon monoxide enhance coagulation and attenuate fibrinolysis by different mechanisms. <i>Blood Coagulation and Fibrinolysis</i> , 2014 , 25, 695-702	1	41
240	Atypical erythrocytes and platelets in a patient with a pro-thrombin mutation. <i>Platelets</i> , 2014 , 25, 461-2	3.6	8
239	The potential of a niacinamide dominated cosmeceutical formulation on fibroblast activity and wound healing in vitro. <i>International Wound Journal</i> , 2014 , 11, 152-8	2.6	6
238	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
237	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
236	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
235	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
234	Platelets in rheumatic diseases: friend or foe?. <i>Current Pharmaceutical Design</i> , 2014 , 20, 552-66	3.3	32
233	Iron-induced fibrin formation may explain vascular pathology in Alzheimer's disease 2014 , 52, 205		3
232	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

231	The adaptability of red blood cells. <i>Cardiovascular Diabetology</i> , 2013 , 12, 63	8.7	42
230	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
229	An analysis of a 'community-driven' reconstruction of the human metabolic network. <i>Metabolomics</i> , 2013 , 9, 757-764	4.7	30
228	Albumin stabilizes fibrin fiber ultrastructure in low serum albumin type 2 diabetes. <i>Ultrastructural Pathology</i> , 2013 , 37, 254-7	1.3	19
227	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
226	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
225	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
224	Interaction of red blood cells adjacent to and within a thrombus in experimental cerebral ischaemia. <i>Thrombosis Research</i> , 2013 , 132, 718-23	8.2	15
223	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
222	A community-driven global reconstruction of human metabolism. <i>Nature Biotechnology</i> , 2013 , 31, 419-25	14.5	746
221	Primary and secondary coenzyme Q10 deficiency: the role of therapeutic supplementation. <i>Nutrition Reviews</i> , 2013 , 71, 180-8	6.4	77
220	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
219	A place for ultrastructural analysis of platelets in cerebral ischemic research. <i>Microscopy Research and Technique</i> , 2013 , 76, 795-802	2.8	7
218	Thromboembolic ischemic stroke changes red blood cell morphology. <i>Cardiovascular Pathology</i> , 2013 , 22, 241-2	3.8	21
217	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
216	Novel use of scanning electron microscopy for detection of iron-induced morphological changes in human blood. <i>Microscopy Research and Technique</i> , 2013 , 76, 268-71	2.8	21
215	Flow cytometric comparison of platelets from a whole blood and finger-prick sample: impact of 24 hours storage. <i>Hematology</i> , 2013 , 18, 106-14	2.2	2
214	Oxidation Inhibits Iron-Induced Blood Coagulation. <i>Current Drug Targets</i> , 2013 , 14, 13-19	3	42

213	The effect of sibutramine on platelet morphology of Sprague-Dawley rats fed a high energy diet. <i>Microscopy Research and Technique</i> , 2013 , 76, 653-7	2.8	
212	Iron alters red blood cell morphology. <i>Blood</i> , 2013 , 121, 9	2.2	21
211	Red blood cell and platelet interactions in healthy females during early and late pregnancy, as well as postpartum. <i>Blood</i> , 2013 , 121, 3788	2.2	2
210	Iron-induced fibrin in cardiovascular disease. <i>Current Neurovascular Research</i> , 2013 , 10, 269-74	1.8	47
209	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
208	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
207	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
206	Oxidation inhibits iron-induced blood coagulation. <i>Current Drug Targets</i> , 2013 , 14, 13-9	3	20
205	Scanning electron microscopy analysis of erythrocytes in thromboembolic ischemic stroke. <i>International Journal of Laboratory Hematology</i> , 2012 , 34, 185-91	2.5	19
204	A systematic survey of the response of a model NF- κ B signalling pathway to TNF β stimulation. <i>Journal of Theoretical Biology</i> , 2012 , 297, 137-47	2.3	21
203	Evaluation of the morphological changes in the lungs of BALB/c mice after inhalation of spherical and rod-shaped titanium nanoparticles. <i>Micron</i> , 2012 , 43, 863-9	2.3	15
202	Comparing different preparation methods to study human fibrin fibers and platelets using TEM. <i>Microscopy Research and Technique</i> , 2012 , 75, 801-6	2.8	1
201	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
200	Interaction of fibrin with red blood cells: the role of iron. <i>Ultrastructural Pathology</i> , 2012 , 36, 79-84	1.3	46
199	Ultrastructural changes in platelet membranes due to cigarette smoking. <i>Ultrastructural Pathology</i> , 2012 , 36, 239-43	1.3	16
198	Interrelation between inflammation, thrombosis, and neuroprotection in cerebral ischemia. <i>Reviews in the Neurosciences</i> , 2012 , 23, 269-78	4.7	21
197	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
196	Scanning electron microscopy of fibrin networks in rheumatoid arthritis: a qualitative analysis. <i>Rheumatology International</i> , 2012 , 32, 1611-5	3.6	22

195	Thromboembolic ischemic stroke and the presence of necrotic platelets: a scanning electron microscopy investigation. <i>Ultrastructural Pathology</i> , 2012 , 36, 19-22	1.3	9
194	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
193	Publishing: Reviews turn facts into understanding. <i>Nature</i> , 2012 , 490, 37	50.4	3
192	GUT bacteria and aspartame: why are we surprised?. <i>European Journal of Clinical Nutrition</i> , 2012 , 66, 972-5	2	
191	Hydroxyl radical-modified fibrinogen as a marker of thrombosis: the role of iron. <i>Hematology</i> , 2012 , 17, 241-7	2.2	28
190	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	1.9	8
189	Novel pathway of iron-induced blood coagulation: implications for diabetes mellitus and its complications 2012 , 122, 115-22		29
188	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
187	The Morphological Effects of Asthma, As Well As Conventional and Alternative Asthma Therapies on Parietal and Chief Cells in the Stomach of BALB/c Mice. <i>International Journal of Morphology</i> , 2011 , 29, 1341-1350	0.5	1
186	Scanning electron microscopy investigation of fibrin networks after thermal injury. <i>Onderstepoort Journal of Veterinary Research</i> , 2011 , 78, 244	1.9	5
185	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
184	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
183	The forgotten science: reviving morphology. <i>Journal of Microscopy</i> , 2011 , 241, 219-20	1.9	
182	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
181	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
180	Histological assessment of SJL/J mice treated with the antioxidants coenzyme Q10 and resveratrol. <i>Micron</i> , 2011 , 42, 275-82	2.3	16
179	Interactions among oscillatory pathways in NF-kappa B signaling. <i>BMC Systems Biology</i> , 2011 , 5, 23	3.5	26
178	Traditional coating techniques in scanning electron microscopy compared to uncoated charge compensator technology: looking at human blood fibrin networks with the ZEISS ULTRA Plus FEG-SEM. <i>Microscopy Research and Technique</i> , 2011 , 74, 343-6	2.8	8

177	Quantifying changes in fibrin fiber network morphology. <i>Ultrastructural Pathology</i> , 2011 , 35, 150-4	1.3	10
176	Comparing techniques: the use of recalcified plasma in comparison with citrated plasma alone and in combination with thrombin in ultrastructural studies. <i>Hematology</i> , 2011 , 16, 337-40	2.2	4
175	Efficient discovery of anti-inflammatory small-molecule combinations using evolutionary computing. <i>Nature Chemical Biology</i> , 2011 , 7, 902-8	11.7	52
174	The use of a desktop scanning electron microscope as a diagnostic tool in studying fibrin networks of thrombo-embolic ischemic stroke. <i>Ultrastructural Pathology</i> , 2011 , 35, 245-50	1.3	6
173	The Qualitative Effects of Resveratrol and Coenzyme Q10 Administration on the Gluteus Complex Muscle Morphology of SJL/J Mice with Dysferlinopathy. <i>International Journal of Morphology</i> , 2011 , 29, 876-884	0.5	4
172	Comparative ultrastructure of fibrin networks of a dog after thrombotic ischaemic stroke. <i>Onderstepoort Journal of Veterinary Research</i> , 2010 , 77, E1-4	1.9	4
171	The impact of asthma on the gastrointestinal tract (GIT). <i>Journal of Asthma and Allergy</i> , 2010 , 3, 123-30	3.1	14
170	Ultrastructural Analyses of Platelets and Fibrin Networks in BALB/c Mice after Inhalation of Spherical and Rod-Shaped Titanium Nanoparticles. <i>International Journal of Morphology</i> , 2010 , 28, 1263-1271	0.5	2
169	The role of vitamins and minerals in the alleviation of asthma symptoms. <i>Early Child Development and Care</i> , 2010 , 180, 913-920	0.9	1
168	Smoking and coagulation: the sticky fibrin phenomenon. <i>Ultrastructural Pathology</i> , 2010 , 34, 236-9	1.3	39
167	Investigating the effect of a platelet additive solution on apheresis platelet and fibrin network ultrastructure. <i>Transfusion and Apheresis Science</i> , 2010 , 43, 347-351	2.4	2
166	Influence of acceleration voltage on scanning electron microscopy of human blood platelets. <i>Microscopy Research and Technique</i> , 2010 , 73, 225-8	2.8	8
165	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
164	Age-related changes in fibrin networks and platelets of individuals over 75: a scanning electron microscopy study showing "thrombotic preparedness". <i>Journal of Thrombosis and Thrombolysis</i> , 2010 , 29, 271-5	5.1	14
163	The changed ultrastructure of fibrin networks during use of oral contraception and hormone replacement. <i>Journal of Thrombosis and Thrombolysis</i> , 2010 , 30, 502-6	5.1	8
162	A geometric morphometric study into the sexual dimorphism of the human scapula. <i>HOMO- Journal of Comparative Human Biology</i> , 2010 , 61, 253-70	0.5	18
161	Comparing the cytotoxic potential of <i>Withania somnifera</i> water and methanol extracts. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2009 , 6, 275-80	0.3	4
160	Macrothrombocytopenia: investigating the ultrastructure of platelets and fibrin networks using scanning and transmission electron microscopy. <i>Ultrastructural Pathology</i> , 2009 , 33, 216-21	1.3	1

159	Is the use of resveratrol in the treatment and prevention of obesity premature?. <i>Nutrition Research Reviews</i> , 2009 , 22, 111-7	7	16
158	Qualitative electron microscopic analysis of cultured chick embryonic cardiac and skeletal muscle cells: the cellular effect of coenzyme q10 after exposure to triton x-100. <i>Ultrastructural Pathology</i> , 2009 , 33, 93-101	1.3	4
157	The Predictive Value of the Postcoital Test for Auto- and Isoimmunity to Spermatozoa/Der vorhersagbare Wert des Post-Coital-Tests bei Auto-und Iso-Immunität gegen Spermatozoen. <i>Andrologia</i> , 2009 , 21, 584-588	2.4	
156	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
155	Ultrastructural changes of platelet aggregates and fibrin networks in a patient with renal clear cell adenocarcinoma: a scanning electron microscopy study. <i>Microscopy Research and Technique</i> , 2009 , 72, 679-83	2.8	3
154	Investigating lung remodeling in Modul8-treated BALB/c asthmatic animals. <i>Micron</i> , 2009 , 40, 775-82	2.3	4
153	Ultrastructure of platelets and fibrin networks of asthmatic mice exposed to selenium and <i>Withania somnifera</i> . <i>Anatomical Science International</i> , 2009 , 84, 210-7	2	5
152	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
151	Addressing comments by JD Fernstrom. <i>European Journal of Clinical Nutrition</i> , 2009 , 63, 695-698	5.2	1
150	The Systems Biology Graphical Notation. <i>Nature Biotechnology</i> , 2009 , 27, 735-41	44.5	651
149	Pulsatile stimulation determines timing and specificity of NF-kappaB-dependent transcription. <i>Science</i> , 2009 , 324, 242-6	33.3	414
148	The role of serotonin and cholesterol in asthma. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009 , 33, 910-1; author reply 912-3	5.5	1
147	A review of immunomodulators with reference to Canova. <i>Homeopathy</i> , 2009 , 98, 169-76	1.4	14
146	Comparisons of the fibrin networks during pregnancy, nonpregnancy and pregnancy during dysfibrinogenaemia using the scanning electron microscope. <i>Blood Coagulation and Fibrinolysis</i> , 2009 , 20, 12-6	1	10
145	Ultrastructural changes of platelets and fibrin networks in human asthma: a qualitative case study. <i>Blood Coagulation and Fibrinolysis</i> , 2009 , 20, 146-9	1	10
144	Comparative Scanning Electron Microscopy of Platelets and Fibrin Networks of Human and Different Animals. <i>International Journal of Morphology</i> , 2009 , 27,	0.5	9
143	Investigating the ultrastructure of platelets of HIV patients treated with the immuno-regulator, Canova: a qualitative scanning electron microscopy study. <i>Histology and Histopathology</i> , 2009 , 24, 399-405	1.4	5
142	The role of alternative and complementary treatments of asthma. <i>Acupuncture and Electro-Therapeutics Research</i> , 2009 , 34, 15-26	0.2	6

141	Investigating the Effect of the Homeopathic Immunomodulator, MODUL8 [®] on Blood Count, Bronchial Lavage and Fibrin Ultrastructure on Experimental Asthmatic BALB/c Mice. <i>International Journal of Morphology</i> , 2009 , 27,	0.5	2
140	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
139	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
138	Direct and indirect cellular effects of aspartame on the brain. <i>European Journal of Clinical Nutrition</i> , 2008 , 62, 451-62	5.2	121
137	Ultrastructural morphology of platelets and fibrin networks of lactating and non-pregnant rabbits. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2008 , 37, 285-8	1.1	
136	Differentiation of human monocytes in vitro following exposure to Canova in the absence of cytokines. <i>Ultrastructural Pathology</i> , 2008 , 32, 147-52	1.3	10
135	Ultrastructural changes in platelet aggregates of HIV patients: a scanning electron microscopy study. <i>Ultrastructural Pathology</i> , 2008 , 32, 75-9	1.3	36
134	The contribution of prenatal stress to the pathogenesis of autism as a neurobiological developmental disorder: a dizygotic twin study. <i>Early Child Development and Care</i> , 2008 , 178, 487-511	0.9	2
133	Ultrastructure of activated mouse platelets: a qualitative scanning electron microscopy study. <i>Microscopy Research and Technique</i> , 2008 , 71, 413-7	2.8	1
132	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
131	Assessment of MEKC suitability for residue drug monitoring on pharmaceutical manufacturing equipment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 46, 631-8	3.5	5
130	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
129	Enhanced stabilization of collagen-based dermal regeneration scaffolds through the combination of physical and chemical crosslinking. <i>South African Journal of Science</i> , 2008 , 104,	1.3	6
128	Ultrastructural changes to rabbit fibrin and platelets due to aspartame. <i>Ultrastructural Pathology</i> , 2007 , 31, 77-83	1.3	7
127	Ultrastructural comparison of the morphology of three different platelet and fibrin fiber preparations. <i>Anatomical Record</i> , 2007 , 290, 188-98	2.1	31
126	Comparative ultrastructural analyses of mouse, rabbit, and human platelets and fibrin networks. <i>Microscopy Research and Technique</i> , 2007 , 70, 823-7	2.8	16
125	Ultrastructural effects of DDT, DDD, and DDE on neural cells of the chicken embryo model. <i>Environmental Toxicology</i> , 2007 , 22, 328-36	4.2	12
124	Combining the gold chloride and toluidine blue stains to investigate chick embryo neural tissue. <i>Journal of Microscopy</i> , 2007 , 226, 26-32	1.9	2

123	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
122	Comparative ultrastructural analyses of platelets and fibrin networks using the murine model of asthma. <i>Experimental and Toxicologic Pathology</i> , 2007 , 59, 105-14		13
121	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
120	Statistical strategies for avoiding false discoveries in metabolomics and related experiments. <i>Metabolomics</i> , 2007 , 2, 171-196	4.7	566
119	Evidence of early childhood defects due to prenatal over-exposure to vitamin A: a case study. <i>Early Child Development and Care</i> , 2007 , 177, 235-253	0.9	
118	Scanning electron microscopic study of the dentinal tubules in dog canine teeth. <i>Journal of Veterinary Dentistry</i> , 2007 , 24, 86-9	1	7
117	Effects of Mandrax and Cannabis on the cellular function of chick embryonic neurons. <i>Environmental Toxicology and Pharmacology</i> , 2007 , 23, 82-8	5.8	2
116	The neurotoxic effects of prenatal cardiac glycoside exposure: a hypothesis. <i>Neurotoxicology and Teratology</i> , 2006 , 28, 135-43	3.9	11
115	Cavernous sinus anatomy as a basis for interpretation of the clinical picture and radiological investigations in a case of Entomophthorales infection. <i>Clinical Anatomy</i> , 2006 , 19, 535-9	2.5	2
114	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
113	Ultrastructural effects of low dosage endocrine disrupter chemicals on neural cells of the chicken embryo model. <i>Hormone and Metabolic Research</i> , 2006 , 38, 639-49	3.1	13
112	Cortisol resistance in conditions such as asthma and the involvement of 11beta-HSD-2: a hypothesis. <i>Hormone and Metabolic Research</i> , 2006 , 38, 368-76	3.1	16
111	Piracetam: its possible mode of action in children with learning disabilities and its effect on in vitro cell growth. <i>Early Child Development and Care</i> , 2006 , 176, 285-298	0.9	
110	Structural changes in the fibrin network of a pretoria family with dysfibrinogenemia: a scanning electron microscopical study. <i>Ultrastructural Pathology</i> , 2006 , 30, 167-76	1.3	21
109	Detection of villous conidia of <i>Conidiobolus coronatus</i> in a blood sample by scanning electron microscopy investigation. <i>Ultrastructural Pathology</i> , 2006 , 30, 53-8	1.3	7
108	Ultrastructural investigation of Zimmermann-Laband syndrome. <i>Ultrastructural Pathology</i> , 2006 , 30, 423-63		6
107	Datura stramonium in asthma treatment and possible effects on prenatal development. <i>Environmental Toxicology and Pharmacology</i> , 2006 , 21, 331-7	5.8	15
106	Effects of <i>Urginea sanguinea</i> , a traditional asthma remedy, on embryo neuronal development. <i>Journal of Ethnopharmacology</i> , 2006 , 104, 315-21	5	12

105	Rhino-orbitocerebral entomophthoramyosis. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2006 , 35, 277-80	2.9	18
104	Theodor B�her 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
103	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
102	The Role of Modeling in Systems Biology 2006 , 3-18		26
101	Training the hippocampus and amygdala of preschool children by means of priming tasks: should parents rather focus on learning of facts than reading fairytales?. <i>Early Child Development and Care</i> , 2005 , 175, 303-312	0.9	
100	Calcium-mediated apoptosis plays a central role in the pathogenesis of estrogenic chemical-induced neurotoxicity. <i>Medical Hypotheses</i> , 2005 , 65, 893-904	3.8	20
99	<i>Urginea sanguinea</i> : medicinal wonder or death in disguise?. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 20, 26-34	5.8	16
98	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
97	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
96	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
95	Geometric morphometric analysis of mandibular ramus flexure. <i>American Journal of Physical Anthropology</i> , 2005 , 128, 623-9	2.5	46
94	Pelizaeus-Merzbacher Disease: A Developmental Disorder Affecting Myelin Formation in the Nervous System. <i>Journal of Developmental and Physical Disabilities</i> , 2005 , 17, 173-183	1.5	1
93	Asthma medication and the role of serotonin in the development of cognitive and psychological difficulties. <i>Early Child Development and Care</i> , 2005 , 175, 139-151	0.9	2
92	A comparison of geometric morphometric analyses and cross-breeding as methods to determine relatedness in three <i>Amblyomma</i> species (Acari: Ixodidae). <i>International Journal of Acarology</i> , 2005 , 31, 393-405	0.6	8
91	Cognitive and learning strategies for longstanding temporal lobe lesions in a child who suffered from Herpes simplex virus encephalitis: a case study over 10 years. <i>Early Child Development and Care</i> , 2005 , 175, 621-634	0.9	1
90	Direct and indirect effects of corticosteroids on astrocyte function. <i>Reviews in the Neurosciences</i> , 2004 , 15, 199-207	4.7	5
89	A phylogenetic analysis of dung beetles (Scarabaeinae : Scarabaeidae): unrolling an evolutionary history. <i>Invertebrate Systematics</i> , 2004 , 18, 53	1.2	90
88	Single-nucleotide polymorphism detection using nanomolar nucleotides and single-molecule fluorescence. <i>Analytical Biochemistry</i> , 2004 , 327, 35-44	3.1	25

87	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
86	Executive emotional system disruption as causal agent in frontal lobishness among abused children. <i>Early Child Development and Care</i> , 2004 , 174, 437-460	0.9	4
85	Cognitive and learning strategies for longstanding temporal lobe lesions in a child who suffered from Herpes simplex virus encephalitis: a case study over 10 years. <i>Early Child Development and Care</i> , 2004 , 174, 487-500	0.9	
84	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
83	Estimation of microbial viability using flow cytometry. <i>Current Protocols in Cytometry</i> , 2004 , Chapter 11, Unit 11.3	3.6	13
82	Corticosteroids, depression and the role of serotonin. <i>Reviews in the Neurosciences</i> , 2004 , 15, 109-16	4.7	14
81	Asthma medication may influence the psychological functioning of children. <i>Medical Hypotheses</i> , 2004 , 63, 409-13	3.8	9
80	Asthma--a risk factor for dental caries. <i>South African Dental Journal</i> , 2004 , 59, 323, 325-6	0.3	
79	Investigating the effects of asthma medication on the cognitive and psychosocial functioning of primary school children with asthma. <i>Early Child Development and Care</i> , 2003 , 173, 699-709	0.9	11
78	A diagnostic profile of gerstmann's syndrome: a case study. <i>Early Child Development and Care</i> , 2003 , 173, 519-526	0.9	1
77	Teacher Professionalism - An Innovative Programme for Teaching Mathematics to Foundation Level Learners with Limited Language Proficiency. <i>Early Child Development and Care</i> , 2003 , 173, 293-315	0.9	2
76	The Impact of Impoverished Language Development on Preschoolers' Readiness-To-Learn During the Foundation Phase. <i>Early Child Development and Care</i> , 2003 , 173, 271-291	0.9	7
75	Can herpes simplex virus encephalitis cause aphasia?. <i>Early Child Development and Care</i> , 2003 , 173, 669-679		2
74	Adoption of the transiently non-culturable state--a bacterial survival strategy?. <i>Advances in Microbial Physiology</i> , 2003 , 47, 65-129	4.4	77
73	An in vitro study of biological safety of condoms and their additives. <i>Human and Experimental Toxicology</i> , 2003 , 22, 659-64	3.4	6
72	Presenting an in vitro cell culture model to determine the cytotoxic effect of benzoyl peroxide vapours. <i>South African Dental Journal</i> , 2003 , 58, 183-6, 188	0.3	3
71	Dental amalgam and mercury toxicity: should dentists be concerned?. <i>South African Dental Journal</i> , 2003 , 58, 366-9	0.3	1
70	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

69	A family of autocrine growth factors in Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , 2002 , 46, 623-35	4.1	218
68	Can Cultural Behavior have a Negative Impact on the Development of Visual Integration Pathways?. <i>Early Child Development and Care</i> , 2002 , 172, 173-181	0.9	4
67	Results from an Empirical Study: The impact of carrying a child on the back on the development of visual integration pathways. <i>Early Child Development and Care</i> , 2002 , 172, 585-594	0.9	4
66	The Quest for an Instructional Delivery Framework for Children with Gerstmann's Syndrome. <i>Early Child Development and Care</i> , 2002 , 172, 643-650	0.9	
65	Can Excess Bilirubin Levels Cause Learning Difficulties?. <i>Early Child Development and Care</i> , 2002 , 172, 391-404	0.9	2
64	A Culture in Transition: Poor Reading and Writing Ability Among Children in South African Townships. <i>Early Child Development and Care</i> , 2002 , 172, 439-449	0.9	9
63	Basic principles of allergic reactions. <i>South African Dental Journal</i> , 2002 , 57, 332-4	0.3	1
62	Allergic reactions caused by dental restorative products. <i>South African Dental Journal</i> , 2002 , 57, 372-5	0.3	3
61	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	8
60	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
59	Geometric morphometric analysis of the male and female body shape of <i>Amblyomma gemma</i> , <i>A. variegatum</i> and <i>A. hebraeum</i> . <i>International Journal of Acarology</i> , 2001 , 27, 271-279	0.6	10
58	The biological safety of condom material can be determined using an in vitro cell culture system. <i>Analytical Cellular Pathology</i> , 2001 , 23, 51-9		2
57	Anaerobic bacteremia and necrotizing fasciitis in a patient with Crohn's disease. <i>Journal of Clinical Gastroenterology</i> , 2001 , 32, 451-2	3	9
56	Bacterial dormancy and culturability: the role of autocrine growth factors. <i>Current Opinion in Microbiology</i> , 2000 , 3, 238-43	7.9	106
55	Geometric morphometric analyses of the male and female body shape of <i>Hyalomma truncatum</i> and <i>H. Marginatum rufipes</i> (Acari: Ixodidae). <i>International Journal of Acarology</i> , 2000 , 26, 229-238	0.6	14
54	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
53	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
52	On resuscitation from the dormant state of <i>Micrococcus luteus</i> . <i>Antonie Van Leeuwenhoek</i> , 1998 , 73, 237-43	2.1	62

51	Microbial stress and culturability: conceptual and operational domains. <i>Microbiology (United Kingdom)</i> , 1998 , 144, 2009-2010	2.9	22
50	Oscillatory, stochastic and chaotic growth rate fluctuations in permissively controlled yeast cultures. <i>BioSystems</i> , 1996 , 39, 43-61	1.9	67
49	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
48	The low-frequency dielectric properties of biological cells 1995 , 159-207		16
47	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
46	GMP Good modelling practice: an essential component of good manufacturing practice. <i>Trends in Biotechnology</i> , 1995 , 13, 481-492	15.1	78
45	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
44	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
43	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
42	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
41	Dormancy in non-sporulating bacteria. <i>FEMS Microbiology Letters</i> , 1993 , 10, 271-85	2.9	221
40	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
39	Flow Cytometric Analysis, Using Rhodamine 123, of <i>Micrococcus luteus</i> at Low Growth Rate in Chemostat Culture 1993 , 83-93		11
38	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
37	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
36	Detection of sperm antibodies on unwashed spermatozoa with the immunobead test: a comparison of results with the routine method and seminal plasma TAT titers and SCMC test. <i>American Journal of Reproductive Immunology</i> , 1991 , 25, 88-91	3.8	5
35	Quantifying heterogeneity: flow cytometry of bacterial cultures. <i>Antonie Van Leeuwenhoek</i> , 1991 , 60, 145-58	2.1	115
34	Traditional and modern medicine working in tandem. <i>Curationis</i> , 1991 , 14, 10-3	2	11

- 33 Sperm antibodies, semen quality, and male infertility. *Archives of Andrology*, **1989**, 22, 61-5 1
- 32 The predictive value of the postcoital test for auto- and isoimmunity to spermatozoa. *Andrologia*, **1989**, 21, 584-8 2.4
- 31 The immunobead technique: an indicator of disturbed sperm cervical mucus interaction. *Andrologia*, **1988**, 20, 5-9 2.4 2
- 30 Evaluation of immunobead test (IBT), tray-agglutination test (TAT), and sperm immobilization test (SIT). *Archives of Andrology*, **1988**, 20, 159-62 2
- 29 The SCMC test: a reliable monitor for antispermatozoal antibodies. *Human Reproduction*, **1988**, 3, 607-9 5.7 3
- 28 The SCMC test: a accurate indicator for spermatozoal antibodies. *Andrologia*, **1987**, 19 Spec No, 296-301 2.4
- 27 Gamete intrafallopian transfer: a treatment for long-standing infertility. *Journal of in Vitro Fertilization and Embryo Transfer: IVF*, **1987**, 4, 256-9 1
- 26 Dielectric permittivity of microbial suspensions at radio frequencies: a novel method for the real-time estimation of microbial biomass. *Enzyme and Microbial Technology*, **1987**, 9, 181-186 3.8 213
- 25 Metabolic control theory: its role in microbiology and biotechnology. *FEMS Microbiology Letters*, **1986**, 39, 305-320 2.9 141
- 24 Sperm/cervical mucus contact test for sperm antibodies. *Archives of Andrology*, **1986**, 17, 133-7
- 23 Sperm/cervical mucus contact test compared to immunobead test for sperm antibodies. *Archives of Andrology*, **1986**, 17, 139-42 1
- 22 Sperm cervical mucus contact test and immunobead test for sperm antibodies. *Archives of Andrology*, **1986**, 16, 199-202 7
- 21 Antibodies to spermatozoa: XI. The use of immunobeads for the detection of sperm antibodies in serum. *American Journal of Reproductive Immunology and Microbiology: AJRIM*, **1985**, 9, 62-6 18
- 20 Important semen parameters during postcoital testing. *Archives of Andrology*, **1985**, 14, 213-5 2
- 19 Sperm selection capacity of cervical mucus. *Archives of Andrology*, **1984**, 12, 5-7 7
- 18 Lymphocyte transformation rates of homosexual men in presence of seminal plasma. *Archives of Andrology*, **1984**, 12, 1-3 4
- 17 Second pregnancies among immunologically infertile women: a preliminary report. *Archives of Andrology*, **1984**, 13, 269-72
- 16 On the functional unit of energy coupling in photophosphorylation by bacterial chromatophores. *Biochimica Et Biophysica Acta - Bioenergetics*, **1983**, 723, 308-316 4.6 34

15	Oxidation-reduction properties of coenzyme M (2-mercaptoethane sulphonate) at the mercury electrode. <i>FEBS Letters</i> , 1979 , 108, 481-4	3.8	6
14	Parkinson's disease: a systemic inflammatory disease accompanied by bacterial inflammagens		1
13	An untargeted metabolomics strategy to measure differences in metabolite uptake and excretion by mammalian cell lines		1
12	Acute induction of anomalous blood clotting by molecular amplification of highly substoichiometric levels of bacterial lipopolysaccharide (LPS)		8
11	Substoichiometric molecular control and amplification of the initiation and nature of amyloid fibril formation: lessons from and for blood clotting		5
10	A Dormant Microbial Component in the Development of Pre-Eclampsia ¹		4
9	To what extent are the terminal stages of sepsis, septic shock, SIRS, and multiple organ dysfunction syndrome actually driven by a prion/amyloid form of fibrin?		5
8	Lipopolysaccharide-binding protein (LBP) can reverse the amyloid state of fibrin seen or induced in Parkinson's disease: implications for its aetiology		1
7	Both lipopolysaccharide and lipoteichoic acids potently induce anomalous fibrin amyloid formation: assessment with novel Amytracker stains		5
6	Immunological tolerance, pregnancy and pre-eclampsia: the roles of semen microbes and the father ¹		1
5	The Atypical Fibrin Fibre Network in Rheumatoid Arthritis and its Relation to Autoimmunity, Inflammation and Thrombosis		3
4	Prevalence of amyloid blood clots in COVID-19 plasma		5
3	Untargeted metabolomics of COVID-19 patient serum reveals potential prognostic markers of both severity and outcome		11
2	SARS-CoV-2 spike protein S1 induces fibrin(ogen) resistant to fibrinolysis: Implications for microclot formation in COVID-19		5
1	Persistent clotting protein pathology in Long COVID/ Post-Acute Sequelae of COVID-19 (PASC) is accompanied by increased levels of antiplasmin		5