

# Michael Theron

## 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.

53  
papers

500  
citations

12  
h-index

19  
g-index

54  
ext. papers

592  
ext. citations

3.8  
avg, IF

3.39  
L-index

#	Paper	IF	Citations
53	Effects of oil exposure and dispersant use upon environmental adaptation performance and fitness in the European sea bass, <i>Dicentrarchus labrax</i> . <i>Aquatic Toxicology</i> , <b>2013</b> , 130-131, 160-70	5.1	70
52	Effect of a single, open-sea, air scuba dive on human micro- and macrovascular function. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 2637-45	3.4	28
51	Reactive Oxygen Species, Mitochondria, and Endothelial Cell Death during In Vitro Simulated Dives. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1362-71	1.2	23
50	Toxicity of dispersant application: Biomarkers responses in gills of juvenile golden grey mullet ( <i>Liza aurata</i> ). <i>Environmental Pollution</i> , <b>2011</b> , 159, 2921-8	9.3	23
49	Why can the eel, unlike the trout, migrate under pressure. <i>Mitochondrion</i> , <b>2001</b> , 1, 79-85	4.9	22
48	Acute toxicity of chemically and mechanically dispersed crude oil to juvenile sea bass ( <i>Dicentrarchus labrax</i> ): Absence of synergistic effects between oil and dispersants. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 1543-51	3.8	21
47	Antioxidants, endothelial dysfunction, and DCS: in vitro and in vivo study. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 1355-62	3.7	19
46	Innate immunity and antioxidant systems in different tissues of sea bass ( <i>Dicentrarchus labrax</i> ) exposed to crude oil dispersed mechanically or chemically with Corexit 9500. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 120, 270-8	7	17
45	Impact of dispersed fuel oil on cardiac mitochondrial function in polar cod <i>Boreogadus saida</i> . <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13779-88	5.1	17
44	Effect of dispersed crude oil on cardiac function in seabass <i>Dicentrarchus labrax</i> . <i>Chemosphere</i> , <b>2015</b> , 134, 192-8	8.4	14
43	Effect of decompression-induced bubble formation on highly trained divers microvascular function. <i>Physiological Reports</i> , <b>2013</b> , 1, e00142	2.6	14
42	Mechanism of action of antiplatelet drugs on decompression sickness in rats: a protective effect of anti-GPIIb/IIIa therapy. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 1234-9	3.7	13
41	Chemical Dispersion of Crude Oil: Assessment of Physiological, Immune, and Antioxidant Systems in Juvenile Turbot ( <i>Scophthalmus maximus</i> ). <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	12
40	Branchial structure and hydromineral equilibrium in juvenile turbot ( <i>Scophthalmus maximus</i> ) exposed to heavy fuel oil. <i>Fish Physiology and Biochemistry</i> , <b>2011</b> , 37, 363-71	2.7	12
39	Impacts of mixtures of herbicides on molecular and physiological responses of the European flounder <i>Platichthys flesus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2010</b> , 152, 321-31	3.2	12
38	Effect of training frequency on endothelium-dependent vasorelaxation in rats. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2008</b> , 15, 52-8		12
37	Influence of decompression sickness on vasocontraction of isolated rat vessels. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 784-91	3.7	12

36	Growth and immune system performance to assess the effect of dispersed oil on juvenile sea bass ( <i>Dicentrarchus labrax</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 120, 215-22	7	11
35	A ternary model of decompression sickness in rats. <i>Computers in Biology and Medicine</i> , <b>2014</b> , 55, 74-8	7	11
34	Flow cytometry for the evaluation of chromosomal damage in turbot <i>Psetta maxima</i> (L.) exposed to the dissolved fraction of heavy fuel oil in sea water: a comparison with classical biomarkers. <i>Journal of Fish Biology</i> , <b>2008</b> , 73, 395-413	1.9	11
33	Venous gas emboli are involved in post-dive macro, but not microvascular dysfunction. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 335-344	3.4	9
32	Responses of conventional and molecular biomarkers in turbot <i>Scophthalmus maximus</i> exposed to heavy fuel oil no. 6 and styrene. <i>Aquatic Toxicology</i> , <b>2012</b> , 116-117, 116-28	5.1	9
31	A non-hypocholesterolemic atorvastatin treatment improves vessel elasticity by acting on elastin composition in WHHL rabbits. <i>Atherosclerosis</i> , <b>2016</b> , 251, 70-77	3.1	9
30	Measuring the biological impact of drilling waste on the deep seafloor: An experimental challenge. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 389, 122132	12.8	8
29	Different effect of L-NAME treatment on susceptibility to decompression sickness in male and female rats. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2014</b> , 39, 1280-5	3	8
28	Evaluation of chromosomal damage by flow cytometry in turbot ( <i>Scophthalmus maximus</i> L.) exposed to fuel oil. <i>Biomarkers</i> , <b>2004</b> , 9, 435-46	2.6	8
27	Hydrostatic pressure and cellular respiration: are the values observed post-decompression representative of the reality under pressure?. <i>Mitochondrion</i> , <b>2003</b> , 3, 75-81	4.9	8
26	Dispersed oil decreases the ability of a model fish ( <i>Dicentrarchus labrax</i> ) to cope with hydrostatic pressure. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 3054-3062	5.1	7
25	DISCOBIOL: Assessment of the Impact of Dispersant Use for Oil Spill Response in Coastal or Estuarine Areas. <i>International Oil Spill Conference Proceedings</i> , <b>2014</b> , 2014, 491-503		7
24	Effect of simulated air dive and decompression sickness on the plasma proteome of rats. <i>Proteomics - Clinical Applications</i> , <b>2016</b> , 10, 614-20	3.1	7
23	Age, weight and decompression sickness in rats. <i>Archives of Physiology and Biochemistry</i> , <b>2016</b> , 122, 67-92.2		5
22	Angiotensin Converting Enzyme Inhibitor Has a Protective Effect on Decompression Sickness in Rats. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 64	4.6	5
21	Diving under a microscope--a new simple and versatile in vitro diving device for fluorescence and confocal microscopy allowing the controls of hydrostatic pressure, gas pressures, and kinetics of gas saturation. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 608-16	0.5	5
20	Involvement of respiratory chain in the regulatory volume decrease process in turbot hepatocytes. <i>Biochemistry and Cell Biology</i> , <b>2009</b> , 87, 499-504	3.6	5
19	New considerations on pathways involved in acute traumatic coagulopathy: the thrombin generation paradox. <i>World Journal of Emergency Surgery</i> , <b>2019</b> , 14, 57	9.2	5

18	Fat grafting: Early hypoxia, oxidative stress, and inflammation developing prior to injection. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2020</b> , 73, 1775-1784	1.7	3
17	A new measure of decompression sickness in the rat. <i>BioMed Research International</i> , <b>2014</b> , 2014, 1235813		3
16	Measuring hemoglobin spectra: searching for carbamino-hemoglobin. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	3
15	Measuring hemoglobin spectra: searching for carbamino-hemoglobin. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	2
14	Effect of splenectomy on platelet activation and decompression sickness outcome in a rat model of decompression. <i>Diving and Hyperbaric Medicine</i> , <b>2014</b> , 44, 154-7	1	2
13	Combined effects of high hydrostatic pressure and dispersed oil on the metabolism and the mortality of turbot hepatocytes ( <i>Scophthalmus maximus</i> ). <i>Chemosphere</i> , <b>2020</b> , 249, 126420	8.4	1
12	Long-term atorvastatin treatment decreases heart maximal oxygen consumption and its vulnerability to in vitro oxidative stress in Watanabe heritable hyperlipidemic rabbit. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2018</b> , 96, 1112-1118	2.4	1
11	Pre-hydration strongly reduces decompression sickness occurrence after a simulated dive in the rat. <i>Diving and Hyperbaric Medicine</i> , <b>2020</b> , 50, 288-291	1	1
10	Endothelial function may be enhanced in the cutaneous microcirculation after a single air dive. <i>Diving and Hyperbaric Medicine</i> , <b>2020</b> , 50, 214-219	1	1
9	Modelling and Simulating Complex Systems in Biology. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2017</b> , 128-158	0.4	1
8	Simulated air dives induce superoxide, nitric oxide, peroxynitrite, and Ca alterations in endothelial cells. <i>Journal of Physiology and Biochemistry</i> , <b>2020</b> , 76, 61-72	5	1
7	A rat model of chronic moderate alcohol consumption and risk of decompression sickness. <i>Diving and Hyperbaric Medicine</i> , <b>2015</b> , 45, 75-8	1	1
6	Carbon Dioxide Sensing-Biomedical Applications to Human Subjects.. <i>Sensors</i> , <b>2021</b> , 22,	3.8	1
5	Can selenium-enriched spirulina supplementation ameliorate sepsis outcomes in selenium-deficient animals?. <i>Physiological Reports</i> , <b>2021</b> , 9, e14933	2.6	0
4	Vascular adaptation to aerobic exercise: A new experimental approach. <i>Science and Sports</i> , <b>2015</b> , 30, 19-24	0.8	
3	A new form of admissible pressure for Haldanian decompression models. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 115, 103518	7	
2	Pre-hydration strongly reduces decompression sickness occurrence after a simulated dive in the rat. <i>Diving and Hyperbaric Medicine</i> , <b>2020</b> , 50, 288-291	1	
1	Deep-sea versus shallow conditions: a comparative ecobarotoxicological study. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 7736-7741	5.1	

