

Zoran Valic

List of Publications by Year in descending order

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70
papers

2,040
citations

236833

25
h-index

243529

44
g-index

71
all docs

71
docs citations

71
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensity and duration threshold for aerobic exercise-induced analgesia to pressure pain. Archives of Physical Medicine and Rehabilitation, 2004, 85, 1183-1187.	0.5	164
2	Is sympathetic neural vasoconstriction blunted in the vascular bed of exercising human muscle?. Journal of Physiology, 2002, 541, 623-635.	1.3	152
3	Spleen volume and blood flow response to repeated breath-hold apneas. Journal of Applied Physiology, 2003, 95, 1460-1466.	1.2	122
4	A single air dive reduces arterial endothelial function in man. Journal of Physiology, 2005, 566, 901-906.	1.3	105
5	Cardiovascular Regulation During Apnea in Elite Divers. Hypertension, 2009, 53, 719-724.	1.3	99
6	EFFECT OF HUMAN SPLENIC CONTRACTION ON VARIATION IN CIRCULATING BLOOD CELL COUNTS. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 944-951.	0.9	77
7	Rapid vasodilation in response to a brief tetanic muscle contraction. Journal of Applied Physiology, 1999, 87, 1741-1746.	1.2	76
8	Exercise attenuates $\hat{I}\pm$ -adrenergic-receptor responsiveness in skeletal muscle vasculature. Journal of Applied Physiology, 2001, 90, 172-178.	1.2	76
9	Aerobic exercise before diving reduces venous gas bubble formation in humans. Journal of Physiology, 2004, 555, 637-642.	1.3	68
10	The effects of acute oral antioxidants on diving-induced alterations in human cardiovascular function. Journal of Physiology, 2007, 578, 859-870.	1.3	66
11	Cerebral and peripheral hemodynamics and oxygenation during maximal dry breath-holds. Respiratory Physiology and Neurobiology, 2007, 157, 374-381.	0.7	62
12	Exogenous Nitric Oxide and Bubble Formation in Divers. Medicine and Science in Sports and Exercise, 2006, 38, 1432-1435.	0.2	49
13	Muscle blood flow response to contraction: influence of venous pressure. Journal of Applied Physiology, 2005, 98, 72-76.	1.2	47
14	Antioxidant Pretreatment and Reduced Arterial Endothelial Dysfunction After Diving. Aviation, Space, and Environmental Medicine, 2007, 78, 1114-1120.	0.6	47
15	Postexercise Hypotension in Moderately Trained Athletes after Maximal Exercise. Medicine and Science in Sports and Exercise, 2006, 38, 318-322.	0.2	46
16	Spleen and cardiovascular function during short apneas in divers. Journal of Applied Physiology, 2007, 103, 1958-1963.	1.2	46
17	Muscle pump does not enhance blood flow in exercising skeletal muscle. Journal of Applied Physiology, 2003, 94, 6-10.	1.2	42
18	Restoration of hemodynamics in apnea struggle phase in association with involuntary breathing movements. Respiratory Physiology and Neurobiology, 2008, 161, 174-181.	0.7	42

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19	Involuntary breathing movements improve cerebral oxygenation during apnea struggle phase in elite divers. <i>Journal of Applied Physiology</i> , 2009, 107, 1840-1846.	1.2	42
20	Attenuated vascular responsiveness to noradrenaline release during dynamic exercise in dogs. <i>Journal of Physiology</i> , 2002, 541, 637-644.	1.3	38
21	A single open sea air dive increases pulmonary artery pressure and reduces right ventricular function in professional divers. <i>European Journal of Applied Physiology</i> , 2006, 97, 478-485.	1.2	37
22	Thermal Pain Perception After Aerobic Exercise. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1019-1023.	0.5	35
23	Central chemoreflex sensitivity and sympathetic neural outflow in elite breath-hold divers. <i>Journal of Applied Physiology</i> , 2008, 104, 205-211.	1.2	34
24	Cerebrovascular reactivity to hypercapnia is unimpaired in breath-hold divers. <i>Journal of Physiology</i> , 2007, 582, 723-730.	1.3	28
25	Morning cortisol levels and glucose metabolism parameters in moderate and severe obstructive sleep apnea patients. <i>Endocrine</i> , 2016, 53, 730-739.	1.1	27
26	Exercise during a 3-Min Decompression Stop Reduces Postdive Venous Gas Bubbles. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 1319-1323.	0.2	25
27	Sympathetic restraint of muscle blood flow at the onset of dynamic exercise. <i>Journal of Applied Physiology</i> , 2002, 92, 2452-2456.	1.2	24
28	CHANGES IN PLATELET SIZE AND SPLEEN VOLUME IN RESPONSE TO SELECTIVE AND NONSELECTIVE β_2 -ADRENOCEPTOR BLOCKADE IN HYPERTENSIVE PATIENTS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 441-446.	0.9	24
29	High-Grade Bubbles in Left and Right Heart in an Asymptomatic Diver at Rest After Surfacing. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 626-628.	0.6	23
30	Beneficial Role of Exercise on SCUBA Diving. <i>Exercise and Sport Sciences Reviews</i> , 2008, 36, 38-42.	1.6	23
31	Peripheral chemoreflex regulation of sympathetic vasomotor tone in apnea divers. <i>Clinical Autonomic Research</i> , 2010, 20, 57-63.	1.4	22
32	Exercise-induced intrapulmonary shunting of venous gas emboli does not occur after open-sea diving. <i>Journal of Applied Physiology</i> , 2005, 99, 944-949.	1.2	18
33	Dynamic exercise attenuates sympathetic responsiveness of canine vascular smooth muscle. <i>Journal of Applied Physiology</i> , 2000, 89, 2294-2299.	1.2	17
34	Elevation in resting blood flow attenuates exercise hyperemia. <i>Journal of Applied Physiology</i> , 2002, 93, 134-140.	1.2	17
35	Endogenous vascular remodeling in ischemic skeletal muscle: a role for nitric oxide. <i>Journal of Applied Physiology</i> , 2003, 94, 935-940.	1.2	17
36	Diving-Induced Venous Gas Emboli Do not Increase Pulmonary Artery Pressure. <i>International Journal of Sports Medicine</i> , 2005, 26, 626-631.	0.8	17

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37	Glossopharyngeal insufflation induces cardioinhibitory syncope in apnea divers. <i>Clinical Autonomic Research</i> , 2010, 20, 381-384.	1.4	13
38	Intermittent hypercapnia-induced phrenic long-term depression is revealed after serotonin receptor blockade with methysergide in anaesthetized rats. <i>Experimental Physiology</i> , 2016, 101, 319-331.	0.9	13
39	Venous bubble count declines during strenuous exercise after an open sea dive to 30 m. <i>Aviation, Space, and Environmental Medicine</i> , 2006, 77, 592-6.	0.6	13
40	Observation of increased venous gas emboli after wet dives compared to dry dives. <i>Diving and Hyperbaric Medicine</i> , 2011, 41, 124-8.	0.2	13
41	Sonographic detection of intrapulmonary shunting of venous gas bubbles during exercise after diving in a professional diver. <i>Journal of Clinical Ultrasound</i> , 2007, 35, 473-476.	0.4	12
42	Expression of Endothelial Selectin Ligands on Human Leukocytes Following Dive. <i>Experimental Biology and Medicine</i> , 2008, 233, 1181-1188.	1.1	12
43	Increased pulmonary vascular resistance and reduced stroke volume in association with CO ₂ retention and inferior vena cava dilatation. <i>Journal of Applied Physiology</i> , 2006, 101, 866-872.	1.2	11
44	Microinjection of methysergide into the raphe nucleus attenuated phrenic long-term facilitation in rats. <i>Experimental Brain Research</i> , 2010, 202, 583-589.	0.7	11
45	Periodicity During Hypercapnic and Hypoxic Stimulus Is Crucial in Distinct Aspects of Phrenic Nerve Plasticity. <i>Physiological Research</i> , 2016, 65, 133-143.	0.4	11
46	Long-lasting exercise involvement protects against decline in $\dot{V}_{I\ddot{O}}_{2max}$ and $\dot{V}_{I\ddot{O}}_{2}$ kinetics in moderately active women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 108-116.	0.9	10
47	Phrenic long-term depression evoked by intermittent hypercapnia is modulated by serotonergic and adrenergic receptors in raphe nuclei. <i>Journal of Neurophysiology</i> , 2018, 120, 321-329.	0.9	8
48	Propofol abolished the phrenic long-term facilitation in rats. <i>Respiratory Physiology and Neurobiology</i> , 2010, 170, 83-90.	0.7	7
49	Parasympathetic innervation of canine tracheal smooth muscle. <i>Journal of Applied Physiology</i> , 2001, 90, 23-28.	1.2	6
50	Short-acting NO donor and decompression sickness in humans. <i>Journal of Applied Physiology</i> , 2007, 102, 1725-1725.	1.2	5
51	Muscle oxygen supply during cold face immersion in breath-hold divers and controls. <i>Aviation, Space, and Environmental Medicine</i> , 2006, 77, 1224-9.	0.6	5
52	Does breath-holding increase the risk of a thrombotic event?. <i>Platelets</i> , 2008, 19, 314-315.	1.1	4
53	Effects of tetrahydrobiopterin on venous bubble grade and acute diving-induced changes in cardiovascular function. <i>Clinical Physiology and Functional Imaging</i> , 2009, 29, 100-107.	0.5	4
54	Influence of oxygen enriched gases during decompression on bubble formation and endothelial function in self-contained underwater breathing apparatus diving: a randomized controlled study. <i>Croatian Medical Journal</i> , 2019, 60, 265-272.	0.2	4

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55	Laser revascularization of ischemic skeletal muscle. <i>Journal of Surgical Research</i> , 2003, 115, 257-264.	0.8	3
56	$\hat{1}\pm$ -Adrenergic receptor responsiveness is preserved during prolonged exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H392-H398.	1.5	3
57	Venous gas bubble formation and decompression risk after scuba diving in persons with chronic spinal cord injury and able-bodied controls. <i>Spinal Cord</i> , 2008, 46, 743-747.	0.9	3
58	Acute flywheel exercise does not impair the brachial artery vasodilation in healthy men of varying aerobic fitness. <i>Blood Pressure Monitoring</i> , 2021, 26, 215-223.	0.4	3
59	Independent influence of age on heart rate recovery after flywheel exercise in trained men and women. <i>Scientific Reports</i> , 2021, 11, 12011.	1.6	3
60	Psychophysiological stress response in SCUBA divers: The contribution of negative automatic thoughts and negative emotions. <i>Current Psychology</i> , 2023, 42, 16751-16765.	1.7	3
61	Spleen Emptying Does Not Correlate With Faster Oxygen Kinetics During a Step-Transition Supine Cycling. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1425-1429.	0.9	2
62	A Randomized Crossover Trial on the Acute Cardiovascular Demands During Flywheel Exercise. <i>Frontiers in Physiology</i> , 2021, 12, 665462.	1.3	2
63	Sevoflurane and isoflurane monoanesthesia abolished the phrenic long-term facilitation in rats. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 607-613.	0.7	1
64	No differences in splenic emptying during on-transient supine cycling between aerobically trained and untrained participants. <i>European Journal of Applied Physiology</i> , 2022, 122, 903-917.	1.2	1
65	The Authors' Reply Pulmonary Artery Pressure and Right-to-Left Shunting Through Foramen Ovale after Diving. <i>International Journal of Sports Medicine</i> , 2006, 27, 509-509.	0.8	0
66	Reply from Zeljko Dujic. <i>Journal of Physiology</i> , 2007, 583, 407-407.	1.3	0
67	Spleen Contraction During Step-Transition Supine Cycling Exercise: Preliminary findings. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
68	A first qualitative and quantitative study of marine cave fish assemblages of intracave cavities. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 263, 107624.	0.9	0
69	Cerebral vascular reactivity to hypercapnia is unchanged in apnea divers. <i>FASEB Journal</i> , 2007, 21, A1360.	0.2	0
70	Skeletal Muscle Deoxygenation Amplitude, Rather Than Splenic Emptying Contributes to Higher \dot{V}_{O_2} max. During Supine Cycling in Healthy Active Men. <i>FASEB Journal</i> , 2022, 36, .	0.2	0