

Shai Efrati

List of Publications by Year in descending order

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95
papers

2,013
citations

257450

24
h-index

289244

40
g-index

101
all docs

101
docs citations

101
times ranked

2096
citing authors

#	ARTICLE	IF	CITATIONS
1	ACE inhibitors and survival of hemodialysis patients. American Journal of Kidney Diseases, 2002, 40, 1023-1029.	1.9	182
2	Hyperbaric Oxygen Induces Late Neuroplasticity in Post Stroke Patients - Randomized, Prospective Trial. PLoS ONE, 2013, 8, e53716.	2.5	128
3	The Hyperoxic-Hypoxic Paradox. Biomolecules, 2020, 10, 958.	4.0	105
4	The effect of N-acetylcysteine on renal function, nitric oxide, and oxidative stress after angiography. Kidney International, 2003, 64, 2182-2187.	5.2	92
5	Hyperbaric Oxygen Therapy Can Diminish Fibromyalgia Syndrome – Prospective Clinical Trial. PLoS ONE, 2015, 10, e0127012.	2.5	68
6	Hyperbaric Oxygen Therapy Can Induce Angiogenesis and Regeneration of Nerve Fibers in Traumatic Brain Injury Patients. Frontiers in Human Neuroscience, 2017, 11, 508.	2.0	67
7	Reflections on the neurotherapeutic effects of hyperbaric oxygen. Expert Review of Neurotherapeutics, 2014, 14, 233-236.	2.8	65
8	Hyperbaric oxygen therapy ameliorates pathophysiology of 3xTg-AD mouse model by attenuating neuroinflammation. Neurobiology of Aging, 2018, 62, 105-119.	3.1	61
9	Treatment of persistent post-concussion syndrome due to mild traumatic brain injury: current status and future directions. Expert Review of Neurotherapeutics, 2016, 16, 875-887.	2.8	55
10	Effect of captopril treatment on recuperation from ischemia/reperfusion-induced acute renal injury. Nephrology Dialysis Transplantation, 2012, 27, 136-145.	0.7	54
11	Ventilator-associated pneumonia: current status and future recommendations. Journal of Clinical Monitoring and Computing, 2010, 24, 161-168.	1.6	49
12	Lactic acidosis and severe septic shock in metformin users: a cohort study. Critical Care, 2015, 20, 10.	5.8	47
13	Hyperbaric oxygen therapy improves neurocognitive functions and symptoms of post-COVID condition: randomized controlled trial. Scientific Reports, 2022, 12, .	3.3	44
14	Geriatric nutritional risk index, muscle function, quality of life and clinical outcome in hemodialysis patients. Clinical Nutrition, 2016, 35, 1522-1529.	5.0	43
15	Reversibility of retinal ischemia due to central retinal artery occlusion by hyperbaric oxygen. Clinical Ophthalmology, 2017, Volume 11, 115-125.	1.8	41
16	N-Acetylcysteine ameliorates lithium-induced renal failure in rats. Nephrology Dialysis Transplantation, 2005, 20, 65-70.	0.7	40
17	Hyperbaric oxygen may induce angiogenesis in patients suffering from prolonged post-concussion syndrome due to traumatic brain injury. Restorative Neurology and Neuroscience, 2015, 33, 943-951.	0.7	39
18	Hyperbaric Oxygen Therapy Can Induce Neuroplasticity and Significant Clinical Improvement in Patients Suffering From Fibromyalgia With a History of Childhood Sexual Abuse – Randomized Controlled Trial. Frontiers in Psychology, 2018, 9, 2495.	2.1	35

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19	Low-Level Laser Therapy to the Bone Marrow Reduces Scarring and Improves Heart Function Post-Acute Myocardial Infarction in the Pig. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 516-524.	2.0	31
20	Hyperbaric oxygen therapy increases telomere length and decreases immunosenescence in isolated blood cells : a prospective trial. <i>Aging</i> , 2020, 12, 22445-22456.	3.1	31
21	Differential Effects of N-Acetylcysteine, Theophylline or Bicarbonate on Contrast-Induced Rat Renal Vasoconstriction. <i>American Journal of Nephrology</i> , 2009, 29, 181-191.	3.1	29
22	Hyperbaric oxygen therapy improves neurocognitive functions of post-stroke patients – a retrospective analysis. <i>Restorative Neurology and Neuroscience</i> , 2020, 38, 93-107.	0.7	29
23	PPAR- γ Activation Inhibits Angiotensin II Synthesis, Apoptosis, and Proliferation of Mesangial Cells from Spontaneously Hypertensive Rats. <i>Nephron Experimental Nephrology</i> , 2007, 106, e107-e112.	2.2	27
24	Effect of hyperbaric oxygen therapy on chronic neurocognitive deficits of post-traumatic brain injury patients: retrospective analysis. <i>BMJ Open</i> , 2018, 8, e023387.	1.9	26
25	Hyperbaric oxygen therapy effects on pulmonary functions: a prospective cohort study. <i>BMC Pulmonary Medicine</i> , 2019, 19, 148.	2.0	26
26	Delayed Recompression for Decompression Sickness: Retrospective Analysis. <i>PLoS ONE</i> , 2015, 10, e0124919.	2.5	25
27	Optimization of Endotracheal Tube Cuff Filling by Continuous Upper Airway Carbon Dioxide Monitoring. <i>Anesthesia and Analgesia</i> , 2005, 101, 1081-1088.	2.2	24
28	N-acetylcysteine attenuates NSAID-induced rat renal failure by restoring intrarenal prostaglandin synthesis. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 1873-1881.	0.7	23
29	Application of normobaric hyperoxia therapy for amelioration of haemorrhagic shock-induced acute renal failure. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 2213-2222.	0.7	23
30	Hyperbaric oxygen can induce angiogenesis and recover erectile function. <i>International Journal of Impotence Research</i> , 2018, 30, 292-299.	1.8	21
31	Enhanced angiotensin II production by renal mesangium is responsible for apoptosis/proliferation of endothelial and epithelial cells in a model of malignant hypertension. <i>Journal of Hypertension</i> , 2007, 25, 1041-1052.	0.5	20
32	Abdominal obesity in normal weight versus overweight and obese hemodialysis patients: Associations with nutrition, inflammation, muscle strength, and quality of life. <i>Nutrition</i> , 2019, 59, 7-13.	2.4	19
33	Hyperglycaemia, inflammation, RAS activation: Three culprits to blame for acute kidney injury emerging in healthy rats during general anaesthesia. <i>Nephrology</i> , 2012, 17, 591-602.	1.6	18
34	Building up the pressure on chronic pain. <i>Clinical and Experimental Rheumatology</i> , 2016, 34, S3-5.	0.8	18
35	Amlodipine treatment of hypertension associates with a decreased dementia risk. <i>Clinical and Experimental Hypertension</i> , 2016, 38, 545-549.	1.3	17
36	Hyperbaric Oxygen Environment Can Enhance Brain Activity and Multitasking Performance. <i>Frontiers in Integrative Neuroscience</i> , 2017, 11, 25.	2.1	16

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37	Hyperbaric oxygen treatment for long coronavirus disease-19: a case report. Journal of Medical Case Reports, 2022, 16, 80.	0.8	16
38	Endotracheal tube cuff-small important part of a big issue. Journal of Clinical Monitoring and Computing, 2012, 26, 53-60.	1.6	15
39	Oxygen - a limiting factor for brain recovery. Critical Care, 2015, 19, 307.	5.8	15
40	Hyperbaric oxygen therapy as a new treatment approach for Alzheimer's disease. Neural Regeneration Research, 2018, 13, 817.	3.0	15
41	Recovery of Repressed Memories in Fibromyalgia Patients Treated With Hyperbaric Oxygen – Case Series Presentation and Suggested Bio-Psycho-Social Mechanism. Frontiers in Psychology, 2018, 9, 848.	2.1	14
42	Safety and humoral responses to BNT162b2 mRNA vaccination of SARS-CoV-2 previously infected and naive populations. Scientific Reports, 2021, 11, 16543.	3.3	14
43	Effects of hyperbaric oxygen on blood glucose levels in patients with diabetes mellitus, stroke or traumatic brain injury and healthy volunteers: a prospective, crossover, controlled trial. Diving and Hyperbaric Medicine, 2013, 43, 218-21.	0.5	14
44	The effect of hyperbaric oxygenation therapy on myocardial function. International Journal of Cardiovascular Imaging, 2020, 36, 833-840.	1.5	13
45	Sarcopenic Obesity Versus Nonobese Sarcopenia in Hemodialysis Patients: Differences in Nutritional Status, Quality of Life, and Clinical Outcomes. , 2023, 33, 147-156.		13
46	Imaging-based predictors for hyperbaric oxygen therapy outcome in post-stroke patients. Report 1. Medical Hypotheses, 2020, 136, 109510.	1.5	11
47	Hyperglycaemia emerging during general anaesthesia induces rat acute kidney injury via impaired microcirculation, augmented apoptosis and inhibited cell proliferation. Nephrology, 2012, 17, 111-122.	1.6	10
48	Biological basis of lymphocyte ratios for survival prediction in hemodialysis patients: a longitudinal study. International Urology and Nephrology, 2020, 52, 1345-1356.	1.4	10
49	Early and long term antibody kinetics of asymptomatic and mild disease COVID-19 patients. Scientific Reports, 2021, 11, 13780.	3.3	10
50	Rosiglitazone Treatment Attenuates Expression of Inflammatory Hallmarks in the Remaining Kidney following Contralateral Nephrectomy. American Journal of Nephrology, 2008, 28, 238-245.	3.1	9
51	Rosiglitazone treatment attenuates renal tissue inflammation generated by urinary tract obstruction. Nephrology, 2009, 14, 189-197.	1.6	9
52	Detection of endobronchial intubation by monitoring the CO2 level above the endotracheal cuff. Journal of Clinical Monitoring and Computing, 2015, 29, 19-23.	1.6	9
53	The efficacy and safety of hyperbaric oxygen therapy in traumatic brain injury. Expert Review of Neurotherapeutics, 2016, 16, 359-360.	2.8	9
54	Hyperbaric oxygen therapy for pediatric "hypospadias cripple" evaluating the advantages regarding graft take. Journal of Pediatric Urology, 2020, 16, 163.e1-163.e7.	1.1	8

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55	Brain Network Integrity Changes in Subjective Cognitive Decline: A Possible Physiological Biomarker of Dementia. <i>Frontiers in Neurology</i> , 2021, 12, 699014.	2.4	8
56	The effect of hyperbaric oxygen therapy on the pathophysiology of skin aging: a prospective clinical trial. <i>Aging</i> , 2021, 13, 24500-24510.	3.1	8
57	Effects of Hyperbaric Oxygen Therapy on Mitochondrial Respiration and Physical Performance in Middle-Aged Athletes: A Blinded, Randomized Controlled Trial. <i>Sports Medicine - Open</i> , 2022, 8, 22.	3.1	8
58	Hyperglycemia alters renal cell responsiveness to pressure in a model of malignant hypertension. <i>Journal of Hypertension</i> , 2009, 27, 365-375.	0.5	7
59	Difficulty in Distinguishing Posterior Reversible Encephalopathy Syndrome, Hypoxic Ischemic Insult, and Acute Toxic Leukoencephalopathy in Children. <i>Neuropediatrics</i> , 2016, 47, 033-038.	0.6	7
60	Optimization of Endotracheal Tube Cuff Pressure by Monitoring CO2 Levels in the Subglottic Space in Mechanically Ventilated Patients. <i>Anesthesia and Analgesia</i> , 2017, 125, 1309-1315.	2.2	7
61	Effect of hemodialysis access blood flow on cardiac events after coronary artery bypass grafting using an internal thoracic artery. <i>Journal of Vascular Access</i> , 2017, 18, 301-306.	0.9	7
62	Hyperbaric Oxygen Preconditioning Can Reduce Postabdominoplasty Complications: A Retrospective Cohort Study. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2417.	0.6	7
63	Hyperbaric oxygen treatment for non-arteritic central retinal artery occlusion retrospective comparative analysis from two tertiary medical centres. <i>Eye</i> , 2021, , .	2.1	7
64	Tracheal pressure and endotracheal tube obstruction can be detected by continuous cuff pressure monitoring: in vitro pilot study. <i>Intensive Care Medicine</i> , 2010, 36, 984-990.	8.2	6
65	Salivary Neutrophil Gelatinase-Associated Lipocalin Sampling Feasibility in Acute Renal Colic. <i>Journal of Endourology</i> , 2018, 32, 566-571.	2.1	6
66	Carbon monoxide poisoning in a young, healthy patient: A case study of heart failure recovery after Hyperbaric Oxygenation Treatment. <i>Intensive and Critical Care Nursing</i> , 2018, 47, 85-88.	2.9	6
67	Usual nutritional scores have acceptable sensitivity and specificity for diagnosing malnutrition compared to GLIM criteria in hemodialysis patients. <i>Nutrition Research</i> , 2021, 92, 129-138.	2.9	6
68	Effect of Peripheral Electrical Stimulation (PES) on Nocturnal Blood Glucose in Type 2 Diabetes: A Randomized Crossover Pilot Study. <i>PLoS ONE</i> , 2016, 11, e0168805.	2.5	5
69	Interaction between acyl-ghrelin and BMI predicts clinical outcomes in hemodialysis patients. <i>BMC Nephrology</i> , 2017, 18, 29.	1.8	5
70	Age modifies the association between serum obestatin, appetite and nutritional status in maintenance hemodialysis patients. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 1007-1018.	2.9	5
71	Brain and Mind Integration: Childhood Sexual Abuse Survivors Experiencing Hyperbaric Oxygen Treatment and Psychotherapy Concurrently. <i>Frontiers in Psychology</i> , 2018, 9, 2535.	2.1	5
72	Introducing a Novel Approach for Evaluation and Monitoring of Brain Health Across Life Span Using Direct Non-invasive Brain Network Electrophysiology. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 248.	3.4	5

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73	Evaluation of White Matter Integrity Utilizing the DELPHI (TMS-EEG) System. <i>Frontiers in Neuroscience</i> , 2020, 14, 589107.	2.8	5
74	Lifestyle modifications in an adolescent dormitory: a clinical trial. <i>Korean Journal of Pediatrics</i> , 2014, 57, 520.	1.9	4
75	Serum Obestatin: A Biomarker of Cardiovascular and All-Cause Mortality in Hemodialysis Patients. <i>American Journal of Nephrology</i> , 2018, 47, 254-265.	3.1	4
76	Photobiomodulation Therapy to Autologous Bone Marrow in Humans Significantly Increases the Concentration of Circulating Stem Cells and Macrophages: A Pilot Study. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2022, 40, 178-182.	1.4	4
77	Serum Chromium Levels are Higher in Peritoneal Dialysis than in Hemodialysis Patients. <i>Peritoneal Dialysis International</i> , 2019, 39, 330-334.	2.3	3
78	Oxygen: The Rate-Limiting Factor for Episodic Memory Performance, Even in Healthy Young Individuals. <i>Biomolecules</i> , 2020, 10, 1328.	4.0	3
79	Nutritional Status and Mortality Predictability for Time-Varying Serum Alkaline Phosphatase in Hemodialysis Patients: A Longitudinal Study. , 2020, 30, 452-461.		3
80	Estimating of Residual Kidney Function by Multi-Frequency Bioelectrical Impedance Analysis in Hemodialysis Patients Without Urine Collection. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 98-109.	2.0	2
81	Obestatin levels in response to a meal and association with subsequent appetite sensations in maintenance hemodialysis patients. <i>Clinical Nutrition</i> , 2020, 39, 3199-3205.	5.0	2
82	Hyperbaric Oxygen as Salvage Therapy for Neonates Suffering From Critical Ischemia of the Glans Penis After Circumcision. <i>Urology</i> , 2021, 149, e48-e51.	1.0	2
83	Comorbidity burden may explain adiponectin's paradox as a marker of increased mortality risk in hemodialysis patients. <i>Scientific Reports</i> , 2021, 11, 9087.	3.3	2
84	Prior ischemic strokes are non-inferior for predicting future ischemic strokes than CHA2DS2-VASc score in hemodialysis patients with non-valvular atrial fibrillation. <i>BMC Nephrology</i> , 2021, 22, 179.	1.8	2
85	Hyperbaric oxygen therapy induces transcriptome changes in elderly: a prospective trial. <i>Aging</i> , 2021, 13, 24511-24523.	3.1	2
86	Arterial Wall Function is Associated with Cognitive Performance Primarily in Elderly with Type 2 Diabetes. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 687-693.	2.6	1
87	Hyperbaric oxygen therapy for pediatric "hypospadias cripple" Evaluating the advantages regarding graft-take. <i>Journal of Pediatric Urology</i> , 2020, 16, 517-518.	1.1	1
88	Hemopexin Is Protective Against Intravascular Hemolysis-Induced Vascular Damage. <i>Blood</i> , 2010, 116, 3207-3207.	1.4	1
89	Effect of N-Acetylcysteine on Residual Renal Function in Chronic Haemodialysis Patients Treated with High-Flux Synthetic Dialysis Membranes: A Pilot Study. <i>ISRN Nephrology</i> , 2013, 2013, 1-4.	1.2	1
90	Delayed blood-brain barrier disruption after shallow-water diving demonstrated by magnetic resonance imaging. <i>Diving and Hyperbaric Medicine</i> , 2015, 45, 116-20.	0.5	1

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91	Phosphate binders, appetite and nutritional status in maintenance hemodialysis patients. Asia Pacific Journal of Clinical Nutrition, 2018, 27, 1207-1215.	0.4	1
92	Immersion-enhanced fluid redistribution can prevent intradialytic hypotension: A prospective, randomized, crossover clinical trial. Hemodialysis International, 2018, 22, 377-382.	0.9	0
93	A single center, open-label, randomized, parallel group study assessing the relationship between asymptomatic bacteriuria and inflammation in maintenance hemodialysis patients. Hemodialysis International, 2018, 22, 110-118.	0.9	0
94	Response from Authors. Intensive and Critical Care Nursing, 2018, 48, 93-94.	2.9	0
95	Inflammatory seborrheic keratosis resolution after hyperbaric oxygen therapy: Case presentation and pathophysiology review. Dermatology Reports, 2021, 13, 8871.	0.8	0