

# Stoyan Dimitrov

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

3,256  
citations

279798

23  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

5152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of sleep and circadian rhythm on the human immune system. <i>Annals of the New York Academy of Sciences</i> , 2010, 1193, 48-59.	3.8	427
2	To assess, to control, to exclude: Effects of biobehavioral factors on circulating inflammatory markers. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 887-897.	4.1	415
3	Integrated rapid-diagnostic-test reader platform on a cellphone. <i>Lab on A Chip</i> , 2012, 12, 2678.	6.0	371
4	Cortisol and epinephrine control opposing circadian rhythms in T cell subsets. <i>Blood</i> , 2009, 113, 5134-5143.	1.4	261
5	Cost-effective and rapid blood analysis on a cell-phone. <i>Lab on A Chip</i> , 2013, 13, 1282.	6.0	253
6	Selective Mobilization of Cytotoxic Leukocytes by Epinephrine. <i>Journal of Immunology</i> , 2010, 184, 503-511.	0.8	183
7	Sleep associated regulation of T helper 1/T helper 2 cytokine balance in humans. <i>Brain, Behavior, and Immunity</i> , 2004, 18, 341-348.	4.1	161
8	Sleep after Vaccination Boosts Immunological Memory. <i>Journal of Immunology</i> , 2011, 187, 283-290.	0.8	145
9	Shift of Monocyte Function Toward Cellular Immunity During Sleep. <i>Archives of Internal Medicine</i> , 2006, 166, 1695.	3.8	126
10	Number and Function of Circulating Human Antigen Presenting Cells Regulated by Sleep. <i>Sleep</i> , 2007, 30, 401-411.	1.1	125
11	Distributed Medical Image Analysis and Diagnosis through Crowd-Sourced Games: A Malaria Case Study. <i>PLoS ONE</i> , 2012, 7, e37245.	2.5	106
12	Auditory closed-loop stimulation of EEG slow oscillations strengthens sleep and signs of its immune-supportive function. <i>Nature Communications</i> , 2017, 8, 1984.	12.8	101
13	Sleep enhances IL-6 trans-signaling in humans. <i>FASEB Journal</i> , 2006, 20, 2174-2176.	0.5	94
14	Inflammation and exercise: Inhibition of monocytic intracellular TNF production by acute exercise via $\beta$ 2-adrenergic activation. <i>Brain, Behavior, and Immunity</i> , 2017, 61, 60-68.	4.1	71
15	G $\beta$ s-coupled receptor signaling and sleep regulate integrin activation of human antigen-specific T cells. <i>Journal of Experimental Medicine</i> , 2019, 216, 517-526.	8.5	45
16	Crowd-sourced BioGames: managing the big data problem for next-generation lab-on-a-chip platforms. <i>Lab on A Chip</i> , 2012, 12, 4102.	6.0	39
17	Human CCR5 <sup>high</sup> effector memory cells perform CNS parenchymal immune surveillance via GZMK-mediated transendothelial diapedesis. <i>Brain</i> , 2019, 142, 3411-3427.	7.6	39
18	Differential acute effects of sleep on spontaneous and stimulated production of tumor necrosis factor in men. <i>Brain, Behavior, and Immunity</i> , 2015, 47, 201-210.	4.1	37

#	ARTICLE	IF	CITATIONS
19	Benefit of physical fitness against inflammation in obesity: Role of beta adrenergic receptors. <i>Brain, Behavior, and Immunity</i> , 2014, 39, 113-120.	4.1	35
20	Sleep enhances serum interleukin-7 concentrations in humans. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 1058-1062.	4.1	33
21	Sleep-like concentrations of growth hormone and cortisol modulate type1 and type2 in-vitro cytokine production in human T cells. <i>International Immunopharmacology</i> , 2006, 6, 216-225.	3.8	28
22	Differential TNF production by monocyte subsets under physical stress: Blunted mobilization of proinflammatory monocytes in prehypertensive individuals. <i>Brain, Behavior, and Immunity</i> , 2013, 27, 101-108.	4.1	27
23	Glucocorticoid mediated regulation of inflammation in human monocytes is associated with depressive mood and obesity. <i>Psychoneuroendocrinology</i> , 2016, 66, 195-204.	2.7	25
24	Cortisol increases CXCR4 expression but does not affect CD62L and CCR7 levels on specific T cell subsets in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1322-E1329.	3.5	23
25	Beta-adrenergic receptor mediated inflammation control by monocytes is associated with blood pressure and risk factors for cardiovascular disease. <i>Brain, Behavior, and Immunity</i> , 2015, 50, 31-38.	4.1	20
26	Activated integrins identify functional antigen-specific CD8 <sup>+</sup> T cells within minutes after antigen stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5536-E5545.	7.1	19
27	Nocturnal sleep uniformly reduces numbers of different T-cell subsets in the blood of healthy men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R637-R642.	1.8	17
28	Sex-specific roles of cellular inflammation and cardiometabolism in obesity-associated depressive symptomatology. <i>International Journal of Obesity</i> , 2019, 43, 2045-2056.	3.4	11
29	Integrin Activation Enables Sensitive Detection of Functional CD4 <sup>+</sup> and CD8 <sup>+</sup> T Cells: Application to Characterize SARS-CoV-2 Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 626308.	4.8	5
30	Branching processes in continuous time as models of mutations: Computational approaches and algorithms. <i>Computational Statistics and Data Analysis</i> , 2017, 113, 111-124.	1.2	4
31	Adaptive Monte Carlo algorithm for Wigner kernel evaluation. <i>Neural Computing and Applications</i> , 2020, 32, 9953-9964.	5.6	4
32	Adhering to adhesion: assessing integrin conformation to monitor T cells. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 1855-1863.	4.2	3
33	Short-term high-fat feeding induces a reversible net decrease in synaptic AMPA receptors in the hypothalamus. <i>Journal of Nutritional Biochemistry</i> , 2021, 87, 108516.	4.2	2
34	Integrin activation enables rapid detection of functional VÎ1 <sup>+</sup> and VÎ2 <sup>+</sup> Î³Î T cells. <i>European Journal of Immunology</i> , 2022, , .	2.9	0