

Gustav Schelling

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

10,616
citations

41258

49
h-index

30848

102
g-index

114
all docs

114
docs citations

114
times ranked

8077
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating inflammatory markers, cell-free mitochondrial DNA, cortisol, endocannabinoids, and N-acylethanolamines in female depressed outpatients. <i>World Journal of Biological Psychiatry</i> , 2023, 24, 58-69.	1.3	11
2	Ketamine anesthesia enhances fear memory consolidation via noradrenergic activation in the basolateral amygdala. <i>Neurobiology of Learning and Memory</i> , 2021, 178, 107362.	1.0	7
3	COVID-19 Impairs Immune Response to <i>Candida albicans</i> . <i>Frontiers in Immunology</i> , 2021, 12, 640644.	2.2	52
4	Hair-based biomarkers in women with major depressive disorder: Glucocorticoids, endocannabinoids, N-acylethanolamines, and testosterone. <i>Comprehensive Psychoneuroendocrinology</i> , 2021, 7, 100068.	0.7	9
5	Molecular RNA Correlates of the SOFA Score in Patients with Sepsis. <i>Diagnostics</i> , 2021, 11, 1649.	1.3	5
6	Progranulin signaling in sepsis, community-acquired bacterial pneumonia and COVID-19: a comparative, observational study. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 43.	0.9	7
7	Exhaled Breath and Oxygenator Sweep Gas Propionaldehyde in Acute Respiratory Distress Syndrome. <i>Molecules</i> , 2021, 26, 145.	1.7	4
8	Detection of Atherosclerosis by Small RNA-Sequencing Analysis of Extracellular Vesicle Enriched Serum Samples. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729061.	1.8	20
9	Extracellular Vesicle Associated miRNAs Regulate Signaling Pathways Involved in COVID-19 Pneumonia and the Progression to Severe Acute Respiratory Corona Virus-2 Syndrome. <i>Frontiers in Immunology</i> , 2021, 12, 784028.	2.2	25
10	Changes of brain DTI in healthy human subjects after 520 days isolation and confinement on a simulated mission to Mars. <i>Life Sciences in Space Research</i> , 2020, 24, 83-90.	1.2	12
11	Propofol and Sevoflurane Differentially Impact MicroRNAs in Circulating Extracellular Vesicles during Colorectal Cancer Resection. <i>Anesthesiology</i> , 2020, 132, 107-120.	1.3	29
12	Diagnostic potential of circulating cell-free microRNAs for community-acquired pneumonia and pneumonia-related sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12054-12064.	1.6	24
13	Exploratory RNA-seq analysis in healthy subjects reveals vulnerability to viral infections during a 12-month period of isolation and confinement. <i>Brain, Behavior, & Immunity - Health</i> , 2020, 9, 100145.	1.3	2
14	Associating Emergency Medical Services personnel's workload, trauma exposure, and health with the cortisol, endocannabinoid, and N-acylethanolamine concentrations in their hair. <i>Scientific Reports</i> , 2020, 10, 22403.	1.6	14
15	Breath Gas Analysis. , 2020, , 451-461.		1
16	Endocannabinoids, "New-Old" Mediators of Stress Homeostasis. , 2020, , 181-204.		4
17	Preinterventional hydrocortisone sustains the endothelial glycocalyx in cardiac surgery. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 71, 59-70.	0.9	28
18	Immune sensitization during 1 year in the Antarctic high-altitude Concordia Environment. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 64-77.	2.7	33

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19	Transcriptomic profiling of cell-free and vesicular microRNAs from matched arterial and venous sera. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1670935.	5.5	20
20	Stress Related Shift Toward Inflammaging in Cosmonauts After Long-Duration Space Flight. <i>Frontiers in Physiology</i> , 2019, 10, 85.	1.3	63
21	Glucocorticoid receptor overexpression slightly shifts microRNA expression patterns in triple-negative breast cancer. <i>International Journal of Oncology</i> , 2018, 52, 1765-1776.	1.4	10
22	Oxidative burst and Dectin-1-triggered phagocytosis affected by norepinephrine and endocannabinoids: implications for fungal clearance under stress. <i>International Immunology</i> , 2018, 30, 79-89.	1.8	5
23	The <sc>CYCLOCALYX</sc> study: Ovulatory cycle affects circulating compartments of the endothelial glycocalyx in blood. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12767.	1.2	15
24	Modulations of Neuroendocrine Stress Responses During Confinement in Antarctica and the Role of Hypobaric Hypoxia. <i>Frontiers in Physiology</i> , 2018, 9, 1647.	1.3	17
25	Evaluation of serum extracellular vesicle isolation methods for profiling miRNAs by next-generation sequencing. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1481321.	5.5	177
26	Effects of ketamine, dexmedetomidine and propofol anesthesia on emotional memory consolidation in rats: Consequences for the development of post-traumatic stress disorder. <i>Behavioural Brain Research</i> , 2017, 329, 215-220.	1.2	45
27	Cellular and extracellular mi<sc>RNA</sc>s are blood-compartment-specific diagnostic targets in sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2403-2411.	1.6	84
28	The endocannabinoid system and Post Traumatic Stress Disorder (PTSD): From preclinical findings to innovative therapeutic approaches in clinical settings. <i>Pharmacological Research</i> , 2016, 111, 668-678.	3.1	57
29	Towards human exploration of space: The THESEUS review series on immunology research priorities. <i>Npj Microgravity</i> , 2016, 2, 16040.	1.9	72
30	Gram-negative and -positive bacteria differentiation in blood culture samples by headspace volatile compound analysis. <i>Journal of Biological Research</i> , 2016, 23, 3.	2.2	13
31	Toward reliable biomarker signatures in the age of liquid biopsies - how to standardize the small RNA-Seq workflow. <i>Nucleic Acids Research</i> , 2016, 44, 5995-6018.	6.5	97
32	Reductions in circulating endocannabinoid 2-arachidonoylglycerol levels in healthy human subjects exposed to chronic stressors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 67, 92-97.	2.5	38
33	Endocannabinoid concentrations in hair are associated with PTSD symptom severity. <i>Psychoneuroendocrinology</i> , 2016, 67, 198-206.	1.3	90
34	Propofol Breath Monitoring as a Potential Tool to Improve the Prediction of Intraoperative Plasma Concentrations. <i>Clinical Pharmacokinetics</i> , 2016, 55, 849-859.	1.6	30
35	Exhaled breath volatile organic and inorganic compound composition in end-stage renal disease. <i>Clinical Nephrology</i> , 2016, 86, 132-140.	0.4	9
36	Effects of dietary salt levels on monocytic cells and immune responses in healthy human subjects: a longitudinal study. <i>Translational Research</i> , 2015, 166, 103-110.	2.2	142

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37	Endocannabinoid Signaling within the Basolateral Amygdala Integrates Multiple Stress Hormone Effects on Memory Consolidation. <i>Neuropsychopharmacology</i> , 2015, 40, 1485-1494.	2.8	73
38	Single nucleotide polymorphism creating a variable upstream open reading frame regulates glucocorticoid receptor expression. <i>Gene</i> , 2015, 563, 24-28.	1.0	2
39	Endogenous cannabinoid release within prefrontal-limbic pathways affects memory consolidation of emotional training. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18333-18338.	3.3	115
40	Quantification of anandamide and 2-araachidonoylglycerol plasma levels to examine potential influences of tetrahydrocannabinol application on the endocannabinoid system in humans. <i>Drug Testing and Analysis</i> , 2014, 6, 17-23.	1.6	28
41	Early Adaption to the Antarctic Environment at Dome C: Consequences on Stress-Sensitive Innate Immune Functions. <i>High Altitude Medicine and Biology</i> , 2014, 15, 341-348.	0.5	23
42	The role of glucocorticoids, catecholamines and endocannabinoids in the development of traumatic memories and posttraumatic stress symptoms in survivors of critical illness. <i>Neurobiology of Learning and Memory</i> , 2014, 112, 68-74.	1.0	43
43	Determination of breath isoprene allows the identification of the expiratory fraction of the propofol breath signal during real-time propofol breath monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 509-516.	0.7	9
44	A genotype-specific, randomized controlled behavioral intervention to improve the neuroemotional outcome of cardiac surgery: study protocol for a randomized controlled trial. <i>Trials</i> , 2013, 14, 89.	0.7	10
45	Novelty-Induced Emotional Arousal Modulates Cannabinoid Effects on Recognition Memory and Adrenocortical Activity. <i>Neuropsychopharmacology</i> , 2013, 38, 1276-1286.	2.8	61
46	Diagnostic Value of Concentration Profiles of Glucocorticosteroids and Endocannabinoids in Hair. <i>Therapeutic Drug Monitoring</i> , 2013, 35, 600-607.	1.0	48
47	Surviving the ICU Does Not Mean That the War Is Over. <i>Chest</i> , 2013, 144, 1-3.	0.4	15
48	The Major Brain Endocannabinoid 2-AG Controls Neuropathic Pain and Mechanical Hyperalgesia in Patients with Neuromyelitis Optica. <i>PLoS ONE</i> , 2013, 8, e71500.	1.1	39
49	Plasma Concentrations of Endocannabinoids and Related Primary Fatty Acid Amides in Patients with Post-Traumatic Stress Disorder. <i>PLoS ONE</i> , 2013, 8, e62741.	1.1	162
50	Glucocorticoid-endocannabinoid interaction in cardiac surgical patients: relationship to early cognitive dysfunction and late depression. <i>Reviews in the Neurosciences</i> , 2012, 23, 681-90.	1.4	30
51	Breath isoprene concentrations in persons undergoing general anesthesia and in healthy volunteers. <i>Journal of Breath Research</i> , 2012, 6, 046004.	1.5	13
52	Effects of parabolic flight and spaceflight on the endocannabinoid system in humans. <i>Reviews in the Neurosciences</i> , 2012, 23, 673-80.	1.4	47
53	Glucocorticoids interact with the hippocampal endocannabinoid system in impairing retrieval of contextual fear memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3504-3509.	3.3	117
54	Effect of an Acute Consumption of a Moderate Amount of Ethanol on Plasma Endocannabinoid Levels in Humans. <i>Alcohol and Alcoholism</i> , 2012, 47, 226-232.	0.9	21

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55	Breath Gas Analysis. , 2012, , 289-297.		3
56	Time course of expiratory propofol after bolus injection as measured by ion molecule reaction mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 403, 555-561.	1.9	33
57	Endocannabinoids, "New-Old" Mediators of Stress Homeostasis. , 2012, , 107-126.		0
58	Adenosine A2A receptor modulates the oxidative stress response of primed polymorphonuclear leukocytes after parabolic flight. Human Immunology, 2011, 72, 547-552.	1.2	13
59	Complex Interaction of Sensory and Motor Signs and Symptoms in Chronic CRPS. PLoS ONE, 2011, 6, e18775.	1.1	40
60	Propofol Enhances Memory Formation via an Interaction with the Endocannabinoid System. Anesthesiology, 2011, 114, 1380-1388.	1.3	59
61	Relationship of a common polymorphism of the glucocorticoid receptor gene to traumatic memories and posttraumatic stress disorder in patients after intensive care therapy. Critical Care Medicine, 2011, 39, 643-650.	0.4	103
62	Replacement of albumin by hydroxyethylstarch could increase the risk for acute kidney injury in patients with severe ARDS. Intensive Care Medicine, 2011, 37, 719-720.	3.9	1
63	Effects of low-dose intranasal (S)-ketamine in patients with neuropathic pain. European Journal of Pain, 2010, 14, 387-394.	1.4	81
64	Substantially altered expression pattern of cannabinoid receptor 2 and activated endocannabinoid system in patients with severe heart failure. Journal of Molecular and Cellular Cardiology, 2010, 48, 1187-1193.	0.9	72
65	Motion Sickness, Stress and the Endocannabinoid System. PLoS ONE, 2010, 5, e10752.	1.1	117
66	Glucocorticoids and the regulation of memory in health and disease. Frontiers in Neuroendocrinology, 2009, 30, 358-370.	2.5	426
67	Traumatic memories, post-traumatic stress disorder and serum cortisol levels in long-term survivors of the acute respiratory distress syndrome. Brain Research, 2009, 1293, 114-120.	1.1	54
68	Formation of the N-methylpyridinium ether derivative of propofol to improve sensitivity, specificity and reproducibility of its detection in blood by liquid chromatography-mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 4055-4058.	1.2	34
69	Decrease in adhesion molecules on polymorphonuclear leukocytes of patients with fibromyalgia. Rheumatology International, 2009, 29, 1109-1111.	1.5	8
70	Endocannabinoids in the rat basolateral amygdala enhance memory consolidation and enable glucocorticoid modulation of memory. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4888-4893.	3.3	271
71	Stress doses of hydrocortisone in high-risk patients undergoing cardiac surgery: Effects on interleukin-6 to interleukin-10 ratio and early outcome*. Critical Care Medicine, 2009, 37, 1685-1690.	0.4	86
72	Stress doses of hydrocortisone in septic shock: beneficial effects on opsonization-dependent neutrophil functions. Intensive Care Medicine, 2008, 34, 344-349.	3.9	97

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73	White and gray matter abnormalities in the brain of patients with fibromyalgia: A diffusion-tensor and volumetric imaging study. <i>Arthritis and Rheumatism</i> , 2008, 58, 3960-3969.	6.7	239
74	Anandamide and neutrophil function in patients with fibromyalgia. <i>Psychoneuroendocrinology</i> , 2008, 33, 676-685.	1.3	65
75	Corticotropin-Releasing Factor in the Basolateral Amygdala Enhances Memory Consolidation via an Interaction with the β -Adrenoceptor-cAMP Pathway: Dependence on Glucocorticoid Receptor Activation. <i>Journal of Neuroscience</i> , 2008, 28, 6642-6651.	1.7	109
76	Lymphocyte Subsets and the Role of Th1/Th2 Balance in Stressed Chronic Pain Patients. <i>NeuroImmunoModulation</i> , 2007, 14, 272-280.	0.9	60
77	Post-traumatic stress disorder in somatic disease: lessons from critically ill patients. <i>Progress in Brain Research</i> , 2007, 167, 229-237.	0.9	61
78	Pitfalls in measuring the endocannabinoid 2-arachidonoyl glycerol in biological samples. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 1023-5.	1.4	42
79	Indications and practical use of replacement dose of corticosteroids in critical illness. <i>Current Opinion in Internal Medicine</i> , 2007, 6, 461-466.	1.5	3
80	Psychoneuroendocrine stress response may impair neutrophil function in complex regional pain syndrome. <i>Clinical Immunology</i> , 2007, 125, 103-111.	1.4	25
81	Real-time Monitoring of Propofol in Expired Air in Humans Undergoing Total Intravenous Anesthesia. <i>Anesthesiology</i> , 2007, 106, 665-674.	1.3	129
82	Comparison of Systemic and Renal Effects of Dopexamine and Dopamine in Norepinephrine-Treated Septic Shock. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 173-178.	0.6	28
83	Effects of General Anesthesia on Anandamide Blood Levels in Humans. <i>Anesthesiology</i> , 2006, 104, 273-277.	1.3	52
84	Efficacy of Hydrocortisone in Preventing Posttraumatic Stress Disorder Following Critical Illness and Major Surgery. <i>Annals of the New York Academy of Sciences</i> , 2006, 1071, 46-53.	1.8	154
85	Stress doses of hydrocortisone reduce chronic stress symptoms and improve health-related quality of life in high-risk patients after cardiac surgery: A randomized study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 131, 277-282.e1.	0.4	191
86	Glucocorticoids reduce phobic fear in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5585-5590.	3.3	387
87	Release of anandamide from blood cells. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006, 44, 488-91.	1.4	63
88	Psychiatric and psychosocial outcome of cardiac surgery with cardiopulmonary bypass: a prospective 12-month follow-up study. <i>General Hospital Psychiatry</i> , 2005, 27, 18-28.	1.2	123
89	Effect of stress doses of hydrocortisone on S-100B vs. interleukin-8 and polymorphonuclear elastase levels in human septic shock. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 259-68.	1.4	20
90	Low-Dose Cortisol for Symptoms of Posttraumatic Stress Disorder. <i>American Journal of Psychiatry</i> , 2004, 161, 1488-1490.	4.0	310

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91	Can Posttraumatic Stress Disorder Be Prevented with Glucocorticoids?. Annals of the New York Academy of Sciences, 2004, 1032, 158-166.	1.8	108
92	Stress doses of hydrocortisone, traumatic memories, and symptoms of posttraumatic stress disorder in patients after cardiac surgery: a randomized study. Biological Psychiatry, 2004, 55, 627-633.	0.7	321
93	A systemically administered β -adrenoceptor antagonist blocks corticosterone-induced impairment of contextual memory retrieval in rats. Neurobiology of Learning and Memory, 2004, 81, 150-154.	1.0	122
94	Posttraumatic Stress Disorder and Health-Related Quality of Life in Long-Term Survivors of Acute Respiratory Distress Syndrome. American Journal of Psychiatry, 2004, 161, 45-52.	4.0	293
95	Exposure to high stress in the intensive care unit may have negative effects on health-related quality-of-life outcomes after cardiac surgery. Critical Care Medicine, 2003, 31, 1971-1980.	0.4	223
96	Effects of Stress Hormones on Traumatic Memory Formation and the Development of Posttraumatic Stress Disorder in Critically Ill Patients. Neurobiology of Learning and Memory, 2002, 78, 596-609.	1.0	54
97	Psychiatric and Psychosocial Outcome of Orthotopic Liver Transplantation. Psychotherapy and Psychosomatics, 2002, 71, 285-297.	4.0	82
98	The effect of stress doses of hydrocortisone during septic shock on posttraumatic stress disorder in survivors. Biological Psychiatry, 2001, 50, 978-985.	0.7	348
99	The relationship between cognitive performance and employment and health status in long-term survivors of the acute respiratory distress syndrome: results of an exploratory study. General Hospital Psychiatry, 2001, 23, 90-96.	1.2	260
100	Health-related quality of life and post-traumatic stress disorder in patients after cardiac surgery and intensive care treatment. Journal of Thoracic and Cardiovascular Surgery, 2000, 120, 505-512.	0.4	700
101	Treatment of Depression With Methylphenidate in Patients Difficult to Wean From Mechanical Ventilation in the Intensive Care Unit. Journal of Clinical Psychiatry, 2000, 61, 750-755.	1.1	38
102	Stress doses of hydrocortisone reverse hyperdynamic septic shock. Critical Care Medicine, 1999, 27, 723-732.	0.4	941
103	The effect of stress doses of hydrocortisone during septic shock on posttraumatic stress disorder and health-related quality of life in survivors. Critical Care Medicine, 1999, 27, 2678-2683.	0.4	186
104	Health-related quality of life and posttraumatic stress disorder in survivors of the acute respiratory distress syndrome. Critical Care Medicine, 1998, 26, 651-659.	0.4	1,106
105	Patient Controlled Analgesia for Shock Wave Lithotripsy: The Effect of Self-Administered Alfentanil on Pain Intensity and Drug Requirement. Journal of Urology, 1996, 155, 43-47.	0.2	35
106	Patient Controlled Analgesia for Shock Wave Lithotripsy. Journal of Urology, 1996, , 43-47.	0.2	9
107	Patient controlled analgesia for extracorporeal shock wave lithotripsy of gallstones. Pain, 1992, 48, 355-359.	2.0	19
108	Pain Control during Extracorporeal Shock Wave Lithotripsy of Gallstones by Titrated Alfentanil Infusion. Anesthesiology, 1989, 70, 1022-1022.	1.3	10

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109	Application of a Fibrinogen-Thrombin-Collagen-Based Hemostyptic Agent in Experimental Injuries of Liver and Spleen. <i>Journal of Trauma</i> , 1988, 28, 472-475.	2.3	38
110	The Effectiveness of a Fibrinogen-Thrombin- Collagen-based Hemostatic Agent in an Experimental Arterial Bleeding Model. <i>Annals of Surgery</i> , 1987, 205, 432-435.	2.1	25