

Andrej A Romanovsky

List of Publications by Year in descending order

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125
papers

7,389
citations

53794

45
h-index

56724

83
g-index

128
all docs

128
docs citations

128
times ranked

6322
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoregulation: some concepts have changed. Functional architecture of the thermoregulatory system. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R37-R46.	1.8	554
2	Pharmacological blockade of the vanilloid receptor TRPV1 elicits marked hyperthermia in humans. Pain, 2008, 136, 202-210.	4.2	423
3	Skin temperature: its role in thermoregulation. Acta Physiologica, 2014, 210, 498-507.	3.8	329
4	Selected Contribution: Ambient temperature for experiments in rats: a new method for determining the zone of thermal neutrality. Journal of Applied Physiology, 2002, 92, 2667-2679.	2.5	309
5	Fever and hypothermia in systemic inflammation: recent discoveries and revisions. Frontiers in Bioscience - Landmark, 2005, 10, 2193.	3.0	284
6	Modulation of body temperature and LH secretion by hypothalamic KNDy (kisspeptin, neurokinin B and) Tj ETQq0 0 0 rgBT /Overlock 10 Neuroendocrinology, 2013, 34, 211-227.	5.2	235
7	The Transient Receptor Potential Vanilloid-1 Channel in Thermoregulation: A Thermosensor It Is Not. Pharmacological Reviews, 2009, 61, 228-261.	16.0	216
8	Neural circuitry engaged by prostaglandins during the sickness syndrome. Nature Neuroscience, 2012, 15, 1088-1095.	14.8	212
9	Prostaglandin E2 as a mediator of fever: synthesis and catabolism. Frontiers in Bioscience - Landmark, 2004, 9, 1977.	3.0	208
10	Pharmacological Blockade of the Cold Receptor TRPM8 Attenuates Autonomic and Behavioral Cold Defenses and Decreases Deep Body Temperature. Journal of Neuroscience, 2012, 32, 2086-2099.	3.6	206
11	Nonthermal Activation of Transient Receptor Potential Vanilloid-1 Channels in Abdominal Viscera Tonicly Inhibits Autonomic Cold-Defense Effectors. Journal of Neuroscience, 2007, 27, 7459-7468.	3.6	200
12	Thermoregulatory responses to lipopolysaccharide in the mouse: dependence on the dose and ambient temperature. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1244-R1252.	1.8	188
13	Cellular and Molecular Bases of the Initiation of Fever. PLoS Biology, 2006, 4, e284.	5.6	160
14	Contributions of Different Modes of TRPV1 Activation to TRPV1 Antagonist-Induced Hyperthermia. Journal of Neuroscience, 2010, 30, 1435-1440.	3.6	150
15	An animal model of oxaliplatin-induced cold allodynia reveals a crucial role for Nav1.6 in peripheral pain pathways. Pain, 2013, 154, 1749-1757.	4.2	144
16	Neural Substrate of Cold-Seeking Behavior in Endotoxin Shock. PLoS ONE, 2006, 1, e1.	2.5	142
17	Fever and hypothermia: two adaptive thermoregulatory responses to systemic inflammation. Medical Hypotheses, 1998, 50, 219-226.	1.5	136
18	Prostaglandin E ₂ -synthesizing enzymes in fever: differential transcriptional regulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R1104-R1117.	1.8	130

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19	Thermoregulatory Phenotype of the <i>Trpv1</i> Knockout Mouse: Thermoeffector Dysbalance with Hyperkinesia. <i>Journal of Neuroscience</i> , 2011, 31, 1721-1733.	3.6	122
20	Cold-seeking behavior as a thermoregulatory strategy in systemic inflammation. <i>European Journal of Neuroscience</i> , 2006, 23, 3359-3367.	2.6	120
21	Putative dual role of ephrin-Eph receptor interactions in inflammation. <i>IUBMB Life</i> , 2006, 58, 389-394.	3.4	95
22	Body Temperature Measurements for Metabolic Phenotyping in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 520.	2.8	92
23	Leptin: At the crossroads of energy balance and systemic inflammation. <i>Progress in Lipid Research</i> , 2007, 46, 89-107.	11.6	91
24	The thermoregulation system and how it works. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 156, 3-43.	1.8	91
25	Bacterial lipopolysaccharide fever is initiated via Toll-like receptor 4 on hematopoietic cells. <i>Blood</i> , 2006, 107, 4000-4002.	1.4	86
26	Fever and hypothermia in systemic inflammation. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 157, 565-597.	1.8	85
27	Hyperthermia induced by transient receptor potential vanilloid-1 (TRPV1) antagonists in human clinical trials: Insights from mathematical modeling and meta-analysis. , 2020, 208, 107474.		83
28	Naturally occurring hypothermia is more advantageous than fever in severe forms of lipopolysaccharide- and <i>Escherichia coli</i> -induced systemic inflammation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R1372-R1383.	1.8	82
29	Do fever and anapylexia exist? Analysis of set point-based definitions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R992-R995.	1.8	75
30	Signaling the brain in systemic inflammation: which vagal branch is involved in fever genesis?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R63-R68.	1.8	65
31	Methodology of fever research: why are polyphasic fevers often thought to be biphasic?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R332-R338.	1.8	65
32	TRPV1 antagonists that cause hypothermia, instead of hyperthermia, in rodents: Compounds' pharmacological profiles, in vivo targets, thermoeffectors recruited and implications for drug development. <i>Acta Physiologica</i> , 2018, 223, e13038.	3.8	65
33	Lipopolysaccharide fever is initiated via a capsaicin-sensitive mechanism independent of the subtype-1 vanilloid receptor. <i>British Journal of Pharmacology</i> , 2004, 143, 1023-1032.	5.4	61
34	Transient Receptor Potential Channel Ankyrin-1 Is Not a Cold Sensor for Autonomic Thermoregulation in Rodents. <i>Journal of Neuroscience</i> , 2014, 34, 4445-4452.	3.6	61
35	Cholecystokinin octapeptide (CCK-8) injected into a cerebral ventricle induces a fever-like thermoregulatory response mediated by type B CCK-receptors in the rat. <i>Brain Research</i> , 1994, 638, 69-77.	2.2	56
36	Heat stroke: opioid-mediated mechanisms. <i>Journal of Applied Physiology</i> , 1996, 81, 2565-2570.	2.5	56

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37	Thermoregulatory manifestations of systemic inflammation: lessons from vagotomy. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2000, 85, 39-48.	2.8	55
38	Multiple neural mechanisms of fever. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2000, 85, 78-82.	2.8	52
39	Signaling the brain in the early sickness syndrome: are sensory nerves involved?. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 494.	3.0	52
40	The hypothermic response to bacterial lipopolysaccharide critically depends on brain CB1, but not CB2 or TRPV1, receptors. <i>Journal of Physiology</i> , 2011, 589, 2415-2431.	2.9	52
41	The organum vasculosum laminae terminalis in immune-to-brain febrigenic signaling: a reappraisal of lesion experiments. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R420-R428.	1.8	51
42	Fever response to intravenous prostaglandin E2 is mediated by the brain but does not require afferent vagal signaling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1294-R1303.	1.8	51
43	“Biphasic” fevers often consist of more than two phases. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R323-R331.	1.8	50
44	Cyclooxygenase-1 or -2” which one mediates lipopolysaccharide-induced hypothermia?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R485-R494.	1.8	47
45	Endotoxin Shock-Associated Hypothermia.. <i>Annals of the New York Academy of Sciences</i> , 1997, 813, 733-737.	3.8	45
46	Fever responses of Zucker rats with and without fatty mutation of the leptin receptor. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R311-R316.	1.8	45
47	Expression of genes controlling transport and catabolism of prostaglandin E ₂ in lipopolysaccharide fever. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R698-R706.	1.8	43
48	A new function of the leptin receptor: mediation of the recovery from lipopolysaccharide-induced hypothermia. <i>FASEB Journal</i> , 2004, 18, 1949-1951.	0.5	43
49	Expression of Eph receptors and their ligands, ephrins, during lipopolysaccharide fever in rats. <i>Physiological Genomics</i> , 2005, 21, 152-160.	2.3	42
50	Thermoregulatory correlates of nausea in rats and musk shrews. <i>Oncotarget</i> , 2014, 5, 1565-1575.	1.8	42
51	Platelet-Activating Factor: A Previously Unrecognized Mediator of Fever. <i>Journal of Physiology</i> , 2003, 553, 221-228.	2.9	41
52	Neural Route of Pyrogen Signaling to the Brain. <i>Clinical Infectious Diseases</i> , 2000, 31, S162-S167.	5.8	40
53	Cells That Trigger Fever. <i>Cell Cycle</i> , 2006, 5, 2195-2197.	2.6	39
54	Aging reverses the role of the transient receptor potential vanilloid-1 channel in systemic inflammation from anti-inflammatory to proinflammatory. <i>Cell Cycle</i> , 2012, 11, 343-349.	2.6	39

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55	Lipopolysaccharide transport from the peritoneal cavity to the blood: is it controlled by the vagus nerve?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2000, 85, 133-140.	2.8	36
56	Peripheral Neural Inputs.. <i>Annals of the New York Academy of Sciences</i> , 1997, 813, 427-434.	3.8	34
57	Blood-borne, albumin-bound prostaglandin E ₂ may be involved in fever. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R1840-R1844.	1.8	34
58	Expanding the febrigenic role of cyclooxygenase-2 to the previously overlooked responses. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1253-R1257.	1.8	33
59	Cold-Induced Thermogenesis and Inflammation-Associated Cold-Seeking Behavior Are Represented by Different Dorsomedial Hypothalamic Sites: A Three-Dimensional Functional Topography Study in Conscious Rats. <i>Journal of Neuroscience</i> , 2017, 37, 6956-6971.	3.6	33
60	Therapeutic Whole-Body Hypothermia Reduces Death in Severe Traumatic Brain Injury if the Cooling Index Is Sufficiently High: Meta-Analyses of the Effect of Single Cooling Parameters and Their Integrated Measure. <i>Journal of Neurotrauma</i> , 2018, 35, 2407-2417.	3.4	33
61	Thermoregulatory responses of rats to conventional preparations of lipopolysaccharide are caused by lipopolysaccharide per se not by lipoprotein contaminants. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R348-R352.	1.8	32
62	Hyperactive when young, hypoactive and overweight when aged: Connecting the dots in the story about locomotor activity, body mass, and aging in Trpv1 knockout mice. <i>Aging</i> , 2011, 3, 450-454.	3.1	32
63	Vagotomy does not affect thermal responsiveness to intrabrain prostaglandin E2 and cholecystokinin octapeptide. <i>Brain Research</i> , 1999, 844, 157-163.	2.2	31
64	Febrigenic signaling to the brain does not involve nitric oxide. <i>British Journal of Pharmacology</i> , 2004, 141, 1204-1213.	5.4	31
65	Pyretic and antipyretic signals within and without fever: a possible interplay. <i>Medical Hypotheses</i> , 1998, 50, 213-218.	1.5	27
66	Genesis of biphasic thermal response to intrapreoptically microinjected clonidine. <i>Brain Research Bulletin</i> , 1993, 31, 509-513.	3.0	26
67	Revised h index for biomedical research. <i>Cell Cycle</i> , 2012, 11, 4118-4121.	2.6	25
68	Smoking in Trauma Patients: The Effects on the Incidence of Sepsis, Respiratory Failure, Organ Failure, and Mortality. <i>Journal of Trauma</i> , 2010, 69, 308-312.	2.3	23
69	Lipopolysaccharide-Induced Neuronal Activation in the Paraventricular and Dorsomedial Hypothalamus Depends on Ambient Temperature. <i>PLoS ONE</i> , 2013, 8, e75733.	2.5	23
70	Does the formation of lipopolysaccharide tolerance require intact vagal innervation of the liver?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2000, 85, 111-118.	2.8	22
71	Systemic antibiotic prophylaxis does not affect infectious complications in pediatric burn injury: A meta-analysis. <i>PLoS ONE</i> , 2019, 14, e0223063.	2.5	22
72	A difference of 5Â°C between ear and rectal temperatures in a febrile patient. <i>American Journal of Emergency Medicine</i> , 1997, 15, 383-385.	1.6	21

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73	Transient Receptor Potential Vanilloid 1 Antagonists Prevent Anesthesia-induced Hypothermia and Decrease Postincisional Opioid Dose Requirements in Rodents. <i>Anesthesiology</i> , 2017, 127, 813-823.	2.5	20
74	Nicotine administration and withdrawal affect survival in systemic inflammation models. <i>Journal of Applied Physiology</i> , 2008, 105, 1028-1034.	2.5	18
75	Energy Trade-offs in Host Defense: Immunology Meets Physiology. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 875-878.	7.1	18
76	Role for the cholecystokinin-A receptor in fever: a study of a mutant rat strain and a pharmacological analysis. <i>Journal of Physiology</i> , 2003, 547, 941-949.	2.9	17
77	Febrile Irresponsiveness of Vagotomized Rats to a Pyrogenic Signal.. <i>Annals of the New York Academy of Sciences</i> , 1997, 813, 437-444.	3.8	16
78	Does obesity affect febrile responsiveness?. <i>International Journal of Obesity</i> , 2001, 25, 586-589.	3.4	16
79	Bilateral splanchnicotomy does not affect lipopolysaccharide-induced fever in rats. <i>Brain Research</i> , 2003, 993, 227-229.	2.2	16
80	Protecting western redcedar from deer browsingâ€”with a passing reference to TRP channels. <i>Temperature</i> , 2015, 2, 142-149.	3.0	16
81	Are vagal efferents involved in the fever response to intraperitoneal lipopolysaccharide?. <i>Journal of Thermal Biology</i> , 2000, 25, 65-70.	2.5	15
82	Microsomal Prostaglandin E Synthase-1, Ephrins, and Ephrin Kinases as Suspected Therapeutic Targets in Arthritis: Exposed by "Criminal Profiling". <i>Annals of the New York Academy of Sciences</i> , 2006, 1069, 183-194.	3.8	14
83	Eicosanoids in non-febrile thermoregulation. <i>Progress in Brain Research</i> , 2007, 162, 15-25.	1.4	13
84	New research journals are needed and can compete with titans. <i>Temperature</i> , 2014, 1, 1-5.	3.0	13
85	Albumin is not an irreplaceable carrier for amphipathic mediators of thermoregulatory responses to LPS: compensatory role of Î±1-acid glycoprotein. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R872-R878.	1.8	12
86	Cholecystokinin: possible mediator of fever and hypothermia. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 301.	3.0	11
87	Platelet-activating factor is a potent pyrogen and cryogen, but it does not mediate lipopolysaccharide fever or hypothermia. <i>Temperature</i> , 2015, 2, 535-542.	3.0	10
88	Tissue oxidative metabolism can increase the difference between local temperature and arterial blood temperature by up to 1.3 ^o C: Implications for brain, brown adipose tissue, and muscle physiology. <i>Temperature</i> , 2018, 5, 22-35.	3.0	10
89	The Two Phases of Biphasic Fever?Two Different Strategies for Fighting Infection?. <i>Annals of the New York Academy of Sciences</i> , 1997, 813, 485-490.	3.8	9
90	The spleen: another mystery about its function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R1378-R1379.	1.8	9

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91	Comments on Point:Counterpoint: Humans do/do not demonstrate selective brain cooling during hyperthermia. Journal of Applied Physiology, 2011, 110, 575-580.	2.5	9
92	Naltrexone Modifies Thermoregulatory Symptoms and Lessens the Severity of Heat Stroke in Guinea Pigs. Annals of the New York Academy of Sciences, 1997, 813, 548-552.	3.8	7
93	Near-term suppression of fever: inhibited synthesis or accelerated catabolism of prostaglandin E2?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R860-R865.	1.8	7
94	The inflammatory reflex: the current model should be revised. Experimental Physiology, 2012, 97, 1178-1179.	2.0	7
95	Chapter 7 Pathophysiology of opioids in hyperthermic states. Progress in Brain Research, 1998, 115, 111-127.	1.4	6
96	Vioxx, Celebrex, Bextra....Do we have a new target for anti-inflammatory and antipyretic therapy?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R1098-R1099.	1.8	6
97	Standing on the shoulders of giants. Temperature, 2014, 1, 71-75.	3.0	6
98	A Valentine's Day bouquet for <i>Temperature</i> readers: pleasing with prizes, searching for the right words, and keeping things mysterious. Temperature, 2015, 2, 17-21.	3.0	6
99	Vagus Nerve in Fever: Recent Developmentsa. Annals of the New York Academy of Sciences, 1998, 856, 298-299.	3.8	5
100	Prostaglandin riddles in energy metabolism: E is for excess, D is for depletion. Focus on "Food deprivation alters thermoregulatory responses to lipopolysaccharide by enhancing cryogenic inflammatory signaling via prostaglandin D2" American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1509-R1511.	1.8	5
101	Future approaches to therapeutic hypothermia: a symposium report. Temperature, 2015, 2, 168-171.	3.0	5
102	Posthemorrhagic antipyresis: what stage of fever genesis is affected?. Journal of Applied Physiology, 1997, 83, 359-365.	2.5	4
103	Which is the correct answer to the Mpemba puzzle?. Temperature, 2015, 2, 63-64.	3.0	4
104	Febrile nonresponsiveness of vagotomized animals: is it due to endotoxin translocation from the gut and tolerance?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R933-R935.	1.8	3
105	Szilárd Donhoffer: Mastermind of the study demonstrating how cold prevented death of protein deficiency. Temperature, 2014, 1, 99-100.	3.0	3
106	Hyperbilirubinemia exaggerates endotoxin-induced hypothermia. Cell Cycle, 2015, 14, 1260-1267.	2.6	3
107	TRPV1 Inhibits the Ventilatory Response to Hypoxia in Adult Rats, but Not the CO2-Drive to Breathe. Pharmaceuticals, 2019, 12, 19.	3.8	3
108	Camphor, Applied Epidermally to the Back, Causes Snout- and Chest-Grooming in Rats: A Response Mediated by Cutaneous TRP Channels. Pharmaceuticals, 2019, 12, 24.	3.8	3

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109	POLAR Study Revisited: Therapeutic Hypothermia in Severe Brain Trauma Should Not Be Abandoned. Journal of Neurotrauma, 2021, 38, 2772-2776.	3.4	3
110	Arginine vasopressin in fever: a still unsolved puzzle. Journal of Thermal Biology, 2004, 29, 407-411.	2.5	2
111	Pungency: A reason for the sluggish expansion of hot spicy foods from the tropics. Temperature, 2016, 3, 56-58.	3.0	2
112	The opioid crisis and â€¦ reconsidering the use of drugs that affect body temperature. Temperature, 2018, 5, 1-3.	3.0	2
113	Papers published by the journal <i>Temperature</i> are cited more often than those published by more prestigious journals. Temperature, 2022, 9, 1-7.	3.0	2
114	Six blind men and the manifold vagus. Autonomic Neuroscience: Basic and Clinical, 2000, 85, vii-ix.	2.8	1
115	Hot, cool, and vibrant: Second international meeting on physiology and pharmacology of temperature regulation, Phoenix, Arizona, USA, March 3â€“6, 2006. Journal of Thermal Biology, 2006, 31, 1-3.	2.5	1
116	The cock, the Academy, and the best scientific journal in the world. Temperature, 2015, 2, 435-438.	3.0	1
117	Education and peace go together; plus the best 2015 papers of the journal <i>Temperature</i>. Temperature, 2016, 3, 499-501.	3.0	1
118	Award-winning papers published in<i>Temperature</i>in 2014. Temperature, 2016, 3, 8-10.	3.0	1
119	Terrestrial warming and cooling: Either or both?. Temperature, 2020, 7, 215-216.	3.0	1
120	The hyperthermic effect of central cholecystokinin is mediated by the cyclooxygenase-2 pathway. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E10-E23.	3.5	1
121	Light at the end of the tunnel?. Nature, 1992, 356, 100-100.	27.8	0
122	Paracelsus on wound treatment. Lancet, The, 1999, 354, 1910.	13.7	0
123	Anorexia: the toll for lipopolysaccharide recognition. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R274-R275.	1.8	0
124	Temperature in the spotlight of drug abuse research. Temperature, 2015, 2, 27-28.	3.0	0
125	In Reply. Anesthesiology, 2018, 129, 378-379.	2.5	0