Heike L Rittner

List of Publications by Year
in descending order

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93 papers	4,660 citations	81839 39 h-index	106281 65 g-index
114 all docs	114 docs citations	114 times ranked	4676 citing authors

#	Article	IF	Citations
1	Substance P Serum Degradation in Complex Regional Pain Syndrome â€“ Another Piece of the Puzzle?. Journal of Pain, 2022, 23, 501-507.	0.7	5
2	Homeostatic calcium fluxes, ER calcium release, SOCE, and calcium oscillations in cultured astrocytes are interlinked by a small calcium toolkit. Cell Calcium, 2022, 101, 102515.	1.1	7
3	Pain, disability, and lifestyle: Patients with complex regional pain syndrome compared to chronic musculoskeletal painâ€”A retrospective analysis. European Journal of Pain, 2022, 26, 719-728.	1.4	4
4	Transient hypoalgesia after COVID-19 infection. Pain Reports, 2022, 7, e990.	1.4	4
5	Microvascular Barrier Protection by microRNA-183 via FoxO1 Repression: A Pathway Disturbed in Neuropathy and Complex Regional Pain Syndrome. Journal of Pain, 2022, 23, 967-980.	0.7	8
6	MicroRNAâ€•21â€•5p functions via RECK/MMP9 as a proalgesic regulator of the blood nerve barrier in nerve injury. Annals of the New York Academy of Sciences, 2022, 1515, 184-195.	1.8	6
7	Stabilization of Delphinidin in Complex with Sulfobutylether-Î²-Cyclodextrin Allows for Antinociception in Inflammatory Pain. Antioxidants and Redox Signaling, 2021, 34, 1260-1279.	2.5	9
8	Selective blood-nerve barrier leakiness with claudin-1 and vessel-associated macrophage loss in diabetic polyneuropathy. Journal of Molecular Medicine, 2021, 99, 1237-1250.	1.7	14
9	Complex regional pain syndrome: role of contralateral sensitisation. British Journal of Anaesthesia, 2021, 127, e1-e3.	1.5	11
10	Netrin-1 as a Multitarget Barrier Stabilizer in the Peripheral Nerve after Injury. International Journal of Molecular Sciences, 2021, 22, 10090.	1.8	3
11	Impaired psychological well-being of healthcare workers in a German department of anesthesiology is independent of immediate SARS-CoV-2 exposure - a longitudinal observational study. GMS German Medical Science, 2021, 19, Doc11.	2.7	0
12	Regional Differences in Tight Junction Protein Expression in the Bloodâ€“DRG Barrier and Their Alterations after Nerve Traumatic Injury in Rats. International Journal of Molecular Sciences, 2020, 21, 270.	1.8	18
13	Clinical phenotypes and classification algorithm for complex regional pain syndrome. Neurology, 2020, 94, e357-e367.	1.5	35
14	D-4F, an ApoA-I mimetic peptide ameliorating TRPA1-mediated nocifensive behaviour in a model of neurogenic inflammation. Molecular Pain, 2020, 16, 174480692090384.	1.0	11
15	Characteristics of the nerve barrier and the blood dorsal root ganglion barrier in health and disease. Experimental Neurology, 2020, 327, 113244.	2.0	45
16	Sensitivity and specificity of cerebrospinal fluid CXCL13 for diagnosing Lyme neuroborreliosis - a study on 1410 patients and review of the literature. Journal of the Neurological Sciences, 2020, 414, 116843.	0.3	9
17	Pain Control by Targeting Oxidized Phospholipids: Functions, Mechanisms, Perspectives. Frontiers in Endocrinology, 2020, 11, 613868.	1.5	4
18	Therapeutic Drug Monitoring of Antidepressants for the Treatment of Chronic Musculoskeletal Pain With and Without Depression. Therapeutic Drug Monitoring, 2020, 42, 893-901.	1.0	4

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19	Immune System, Pain and Analgesia. , 2020, , 385-397.		1
20	Antinociceptive modulation by the adhesion GPCR CIRL promotes mechanosensory signal discrimination. ELife, 2020, 9, .	2.8	15
21	The serum protease networkâ€”one key to understand complex regional pain syndrome pathophysiology. Pain, 2019, 160, 1402-1409.	2.0	14
22	What is normal trauma healing and what is complex regional pain syndrome I? An analysis of clinical and experimental biomarkers. Pain, 2019, 160, 2278-2289.	2.0	35
23	Tissue plasminogen activator and neuropathy open the blood-nerve barrier with upregulation of microRNA-155-5p in male rats. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1160-1169.	1.8	16
24	Antinociception by the antiâ€•oxidized phospholipid antibody <scp>E06</scp>. British Journal of Pharmacology, 2018, 175, 2940-2955.	2.7	12
25	Role of curcumin in the management of pathological pain. Phytomedicine, 2018, 48, 129-140.	2.3	66
26	Opioids and the immune system â€“ friend or foe. British Journal of Pharmacology, 2018, 175, 2717-2725.	2.7	301
27	Reactive oxygen species scavengers ameliorate mechanical allodynia in a rat model of cancer-induced bone pain. Redox Biology, 2018, 14, 391-397.	3.9	74
28	Quantitative and Microstructural Changes of the Blood-Nerve Barrier in Peripheral Neuropathy. Frontiers in Neuroscience, 2018, 12, 936.	1.4	29
29	NaV1.9 Potentiates Oxidized Phospholipid-Induced TRP Responses Only under Inflammatory Conditions. Frontiers in Molecular Neuroscience, 2018, 11, 7.	1.4	9
30	A Novel Approach for the Control of Inflammatory Pain: Prostaglandin E2 Complexation by Randomly Methylated Î²-Cyclodextrins. Anesthesia and Analgesia, 2017, 124, 675-685.	1.1	17
31	The Role of Spinal GABAB Receptors in Cancer-Induced Bone Pain in Rats. Journal of Pain, 2017, 18, 933-946.	0.7	33
32	Barrier function in the peripheral and central nervous systemâ€”a review. Pflugers Archiv European Journal of Physiology, 2017, 469, 123-134.	1.3	216
33	Sensory phenotype and risk factors for painful diabetic neuropathy: a cross-sectional observational study. Pain, 2017, 158, 2340-2353.	2.0	116
34	Inflammatory pain control by blocking oxidized phospholipid-mediated TRP channel activation. Scientific Reports, 2017, 7, 5447.	1.6	53
35	Bloodâ€“spinal cord barrier breakdown and pericyte deficiency in peripheral neuropathy. Annals of the New York Academy of Sciences, 2017, 1405, 71-88.	1.8	44
36	Peripheral Interaction of Resolvin D1 and E1 with Opioid Receptor Antagonists for Antinociception in Inflammatory Pain in Rats. Frontiers in Molecular Neuroscience, 2017, 10, 242.	1.4	30

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37	Functional and structural characterization of axonal opioid receptors as targets for analgesia. Molecular Pain, 2016, 12, 174480691662873.	1.0	22
38	Increased cutaneous miR-let-7d expression correlates with small nerve fiber pathology in patients with fibromyalgia syndrome. Pain, 2016, 157, 2493-2503.	2.0	58
39	Analgesic drug delivery via recombinant tissue plasminogen activator and microRNA-183-triggered opening of the blood-nerve barrier. Biomaterials, 2016, 82, 20-33.	5.7	28
40	Reduced dermal nerve fiber diameter in skin biopsies of patients with fibromyalgia. Pain, 2015, 156, 2319-2325.	2.0	105
41	Differential Transcriptional Profiling of Damaged and Intact Adjacent Dorsal Root Ganglia Neurons in Neuropathic Pain. PLoS ONE, 2015, 10, e0123342.	1.1	41
42	Redox-Sensitive Structure and Function of the First Extracellular Loop of the Cellâ€"Cell Contact Protein Claudin-1: Lessons from Molecular Structure to Animals. Antioxidants and Redox Signaling, 2015, 22, 1-14.	2.5	27
43	CXCL10 Controls Inflammatory Pain via Opioid Peptide-Containing Macrophages in Electroacupuncture. PLoS ONE, 2014, 9, e94696.	1.1	56
44	Toll like Receptor (TLR)-4 as a Regulator of Peripheral Endogenous Opioid-Mediated Analgesia in Inflammation. Molecular Pain, 2014, 10, 1744-8069-10-10.	1.0	51
45	Safety, efficacy, and molecular mechanism of claudin-1-specific peptides to enhance bloodâ€"nerveâ€"barrier permeability. Journal of Controlled Release, 2014, 185, 88-98.	4.8	37
46	Thoracic epidural anesthesia decreases endotoxin-induced endothelial injury. BMC Anesthesiology, 2014, 14, 23.	0.7	12
47	The Molecular Link Between C-C-Chemokine Ligand 2-Induced Leukocyte Recruitment and Hyperalgesia. Journal of Pain, 2013, 14, 897-910.	0.7	20
48	Longâ€•term antinociception by electroacupuncture is mediated via peripheral opioid receptors in freeâ€•moving rats with inflammatory hyperalgesia. European Journal of Pain, 2013, 17, 1447-1457.	1.4	23
49	microRNAs in nociceptive circuits as predictors of future clinical applications. Frontiers in Molecular Neuroscience, 2013, 6, 33.	1.4	70
50	The Connection of Monocytes and Reactive Oxygen Species in Pain. PLoS ONE, 2013, 8, e63564.	1.1	63
51	Transient opening of the perineurial barrier for analgesic drug delivery. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2018-27.	3.3	87
52	A Peptidomimetic Tight Junction Modulator To Improve Regional Analgesia. Molecular Pharmaceutics, 2012, 9, 1785-1794.	2.3	44
53	Modulation of tight junction proteins in the perineurium for regional pain control. Annals of the New York Academy of Sciences, 2012, 1257, 199-206.	1.8	21
54	Modulation of Tight Junction Proteins in the Perineurium to Facilitate Peripheral Opioid Analgesia. Anesthesiology, 2012, 116, 1323-1334.	1.3	25

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55	Recruitment of opioid peptide-containing neutrophils is independent of formyl peptide receptors. Journal of Neuroimmunology, 2011, 230, 65-73.	1.1	4
56	Immunosuppressive Effects of Opioidsâ€”Clinical Relevance. Journal of NeuroImmune Pharmacology, 2011, 6, 490-502.	2.1	64
57	The clinical (ir)relevance of opioid-induced immune suppression. Current Opinion in Anaesthesiology, 2010, 23, 588-592.	0.9	36
58	Leukocytes as Mediators of Pain and Analgesia. NeuroImmune Biology, 2010, , 237-250.	0.2	1
59	Mycobacteria Attenuate Nociceptive Responses by Formyl Peptide Receptor Triggered Opioid Peptide Release from Neutrophils. PLoS Pathogens, 2009, 5, e1000362.	2.1	79
60	Antinociception by neutrophil-derived opioid peptides in noninflamed tissueâ€”Role of hypertonicity and the perineurium. Brain, Behavior, and Immunity, 2009, 23, 548-557.	2.0	31
61	Peripheral Non-Viral MIDGE Vector-Driven Delivery of Î²-Endorphin in Inflammatory Pain. Molecular Pain, 2009, 5, 1744-8069-5-72.	1.0	25
62	Immune cellâ€“derived opioids protect against neuropathic pain in mice. Journal of Clinical Investigation, 2009, 119, 278-86.	3.9	68
63	Immune cellâ€“derived opioids protect against neuropathic pain in mice. Journal of Clinical Investigation, 2009, 119, 1051-1051.	3.9	74
64	The other side of the medal: How chemokines promote analgesia. Neuroscience Letters, 2008, 437, 203-208.	1.0	24
65	Pain and the immune system. British Journal of Anaesthesia, 2008, 101, 40-44.	1.5	91
66	Chronic morphine use does not induce peripheral tolerance in a rat model of inflammatory pain. Journal of Clinical Investigation, 2008, 118, 1065-73.	3.9	105
67	CXCR1/2 ligands induce p38 MAPK-dependent translocation and release of opioid peptides from primary granules in vitro and in vivo. Brain, Behavior, and Immunity, 2007, 21, 1021-1032.	2.0	53
68	Lymphocytes upregulate signal sequence-encoding proopiomelanocortin mRNA and beta-endorphin during painful inflammation in vivo. Journal of Neuroimmunology, 2007, 183, 133-145.	1.1	61
69	Leukocytes as mediators of pain and analgesia. Current Rheumatology Reports, 2007, 9, 503-510.	2.1	31
70	Neurokinin-1 Receptor Antagonists Inhibit the Recruitment of Opioid-containing Leukocytes and Impair Peripheral Antinociception. Anesthesiology, 2007, 107, 1009-1017.	1.3	35
71	Interleukin-1 beta contributes to the upregulation of kappa opioid receptor mrna in dorsal root ganglia in response to peripheral inflammation. Neuroscience, 2006, 141, 989-998.	1.1	60
72	Comment on â€œNeutrophils: are they hyperalgesic or anti-hyperalgesic?â€• Journal of Leukocyte Biology, 2006, 80, 729-730.	1.5	2

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73	Selective local PMN recruitment by CXCL1 or CXCL2/3 injection does not cause inflammatory pain. Journal of Leukocyte Biology, 2006, 79, 1022-1032.	1.5	81
74	Pain control by CXCR2 ligands through Ca 2+ â€regulated release of opioid peptides from polymorphonuclear cells. FASEB Journal, 2006, 20, 2627-2629.	0.2	110
75	Peripheral Antinociceptive Effects of Exogenous and Immune Cell-Derived Endomorphins in Prolonged Inflammatory Pain. Journal of Neuroscience, 2006, 26, 4350-4358.	1.7	73
76	Involvement of cytokines, chemokines and adhesion molecules in opioid analgesia. European Journal of Pain, 2005, 9, 109-112.	1.4	35
77	Leukocytes in the regulation of pain and analgesia. Journal of Leukocyte Biology, 2005, 78, 1215-1222.	1.5	104
78	Selectins and integrins but not platelet-endothelial cell adhesion molecule-1 regulate opioid inhibition of inflammatory pain. British Journal of Pharmacology, 2004, 142, 772-780.	2.7	53
79	Endogenous peripheral antinociception in early inflammation is not limited by the number of opioid-containing leukocytes but by opioid receptor expression. Pain, 2004, 108, 67-75.	2.0	72
80	Control of inflammatory pain by chemokine-mediated recruitment of opioid-containing polymorphonuclear cells. Pain, 2004, 112, 229-238.	2.0	115
81	Tissue Monocytes/Macrophages in Inflammation. Anesthesiology, 2004, 101, 204-211.	1.3	66
82	Mobilization of Opioid-containing Polymorphonuclear Cells by Hematopoietic Growth Factors and Influence on Inflammatory Pain. Anesthesiology, 2004, 100, 149-157.	1.3	57
83	Neurogenic painful inflammation. Current Opinion in Anaesthesiology, 2004, 17, 461-464.	0.9	7
84	Pro-algesic versus analgesic actions of immune cells. Current Opinion in Anaesthesiology, 2003, 16, 527-533.	0.9	26
85	Modulation of Peripheral Endogenous Opioid Analgesia by Central Afferent Blockade. Anesthesiology, 2003, 98, 195-202.	1.3	46
86	Opioid Control of Inflammatory Pain Regulated by Intercellular Adhesion Molecule-1. Journal of Neuroscience, 2002, 22, 5588-5596.	1.7	111
87	Opioid Peptideâ€"expressing Leukocytes. Anesthesiology, 2001, 95, 500-508.	1.3	206
88	Anti-Psoriatic Drug Anthralin Activates JNK via Lipid Peroxidation: Mononuclear Cells are More Sensitive than Keratinocytes. Journal of Investigative Dermatology, 2000, 114, 688-692.	0.3	24
89	Tissue-Destructive Macrophages in Giant Cell Arteritis. Circulation Research, 1999, 84, 1050-1058.	2.0	128
90	Aldose reductase functions as a detoxification system for lipid peroxidation products in vasculitis. Journal of Clinical Investigation, 1999, 103, 1007-1013.	3.9	187

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91	Developmental patterns of serum 3Î±-androstanediol glucuronide. Journal of Endocrinological Investigation, 1997, 20, 138-143.	1.8	3
92	Multiple Mechanisms Support Oligoclonal T Cell Expansion in Rheumatoid Synovitis. Molecular Medicine, 1997, 3, 452-465.	1.9	39
93	Glucocorticoid-mediated repression of cytokine gene transcription in human arteritis-SCID chimeras.. Journal of Clinical Investigation, 1997, 99, 2842-2850.	3.9	117